

KubiSpace Technical Documentation

This document describes the software used to construct the KubiSpace on-line learning environment and also states the customisations and software development/customisation carried out to realise the project goals. The current version of the environment uses Elgg, Drupal, Moodle.

This Document is divided into eight sections:

- Section 1 provides a brief introduction to the Kubis Software,
- Section 2 discusses the software selection process
- Section 3 describes the Kubis installation of Elgg
- Section 4 describes the Kubis installation of Drupal
- Section 5 describes the Kubis installation of Moodle
- Sections 6 to 8 are appendices that contain descriptions of modifications that have been carried out to the software to customise the behaviour for Kubis specific purposes.

The appendices are intended for the use of technical staff that are required to analyse the Kubis software. A software archive has been prepared to accompany this report in order to assist analysis by technical staff, the archive contains both the source code used for Kubis and unmodified versions of the code that can be used for performing electronic comparisons. Instructions for performing the comparisons are included in the archive.

1 Introduction/Design Brief

The Kubis learning environment consists of a collection of services constructed using established web applications, each of which can be extended via the use of plug-ins to provide additional features if required. The development of the Kubis learning environment is based on the following design brief:

- The environment must provide a highly customisable and user-centric web service to support student accounts, learning activities and social networking
- The environment must include a well featured web publishing service for tutors and administrators that provides intuitive access to a broad and flexible range of features
- The design of the environment must enable extensive support for the features and concepts associated with the term Web 2.0. The support should include the features associated with current internet trends as well as providing the adaptability to incorporate new features in response to user requirements and changing trends in internet activity.
- The design must lead to a base environment with sufficient flexibility to support reactive adaptation to the developing requirements of a new generation of work-based on-line learners, who will not have the benefit of traditional campus based interaction with fellow students and teaching staff.
- The design should incorporate an awareness of current internet successes such as Facebook, MySpace, YouTube, Wikipedia, etc.... and what role these technologies can have in improving the educational experience for remote learners

2 Software Selection Process

In order to meet the broad specification a number of competing products and development approaches have been assessed; the results of this assessment have been augmented by the outcomes of an initial round of user testing and have led to the current (November 2009) version of the Kubis Learning Environment.

As no existing application was considered capable of satisfying the broad specification of the Kubis project the selection process incorporated an evaluation of development approaches as well as utilisation of collections of pre-existing applications. This resulted in the selection of a set pre-existing software; a decision was made that attempts to construct a monolithic architecture for the environment based on customising a single application were to be avoided. No application was close enough to fulfilling the brief without requiring significant customisation which would lead to problems with respect to flexibility for incorporation of new features, as well as increasing dependencies on plug-ins and developments which can cause maintenance issues during upgrades.

The general result of the evaluation was that in order to maximise flexibility and extensibility the environment should avoid application-specific or developer based dependencies wherever possible. The design should embrace an approach where not just plug-ins but also new applications can be incorporated into the environment. The changes were/are expected to occur over time in order to respond to both technological advances and changes in user trends and teaching delivery methods. In order to achieve this aim without creating unsupportable development and maintenance costs the selection process focused on:

- Widely available/understood applications
- Implementation using the hardware and software resources that are common to standard web hosting services (commonly referred to as LAMP systems (or WAMP/MAMP when hosted on Windows/Mac servers))
- Minimization of application specific dependencies - a critical factor in the application selection is utilisation of standard (ISO, W3C) compliant data storage formats (XHTML/XML) in order to maximise the potential for portability of assets
- Pre-existing/established support for accessibility
- Applications with large/active developer bases to increase the potential of staying current with on-line trends

As a result of this selection process the Kubis learning environment currently consists of:

- KubiSpace (Elgg) - A user centred social networking application supporting single user and collaborative activities. The unique selling point of the Elgg software that influenced software selection for this project is the extent of the user centric design approach and support for user customisation.
- (Kubis)Modules (Drupal) - A highly customisable content management system (CMS) used as a web based publishing service for tutors and administrators. Drupal was selected for its fully featured editing abilities and large availability of extra features e.g. support for publishing/presentation styles, social networking and advanced multimedia services. The application has a large and active developer base which makes it one of the fastest growing open source CMS systems available.
- (Kubis)Courses (Moodle) – Traditional virtual learning environment (VLE) features,

currently only used to provide an assignment submission service. Moodle was selected to provide this service as it is a well established VLE.

Integration of the component applications into a single learning environment (monolithic architecture) has the potential to increase levels of customisation and dependence on both developers and specific applications; therefore, the approach has been to loosely couple the components wherever possible so that individual section can be upgraded/replaced/removed with minimal impact on the service as a whole. A concerted effort has been made to avoid unnecessary customisation of the selected applications as this has a negative effect on maintenance and upgrades as well as increasing dependency on specific developers. As it is not possible to avoid customisation of the software, attempts have been made to ensure that this work is carried out using the incorporated configuration features whenever possible.

Development has mostly stabilised; however, the KubiSpace project maintains a reactive approach to supporting students and staff and it is very likely that features will be added and or changed throughout the lifetime project. Our rationale behind this approach is that only real interaction with staff and students can indicate actual demands and trends and only real implementation of services can reveal the benefits that these features can provide.

3 Elgg

Release: 0.9.1 (Version: 2008021801)

KubiSpace uses Elgg software to implement the main social networking and user-centric core of the Kubis learning environment. The application provides the users interface to file storage, profile fields, communication, account management, learning journals, on-line publishing/presentation/portfolio and site-wide navigation. The features are mainly accessed through the (Elgg) navigation bar that is positioned at the top of every page on KubiSpace. In order to maintain a level of consistency the navigation bar is incorporated into all sections of the environment including those that do not use the Elgg software. The KubiSpace user landing page is maintained within the Elgg section of the system, although this is not a technical development the landing page is considered by the developers of this system to be extremely significant to the KubiSpace user experience.

The software is extended via the use of plug-ins to enhance the e-portfolio and communication features. The KubiSpace installation of Elgg uses the following plug-ins:

- Chat Integration
- Folio
- Loggedinusers
- Messages
- Newsclient
- Vanillaforum

3.1 Chat integration (PhpFreeChat)

A PHP chat application that communicates using standard http ports and requires no (user) software installation or customisation of network security settings. The chat application is not intended to replace the use of MSN or Skype which are common and well established approaches to this type of activity. The benefit of the chat feature is the support for synchronous communication in situations where standard IRC packages cannot be used. The chat plug-in is currently the subject of discussion relating to possible removal of the feature due to usability concerns.

3.2 Folio

The folio plug-in provides portfolio and on-line publishing features. The publishing features are in the form of a wiki. The folio Wiki differs from the widely known MediaWiki in several ways, the aspects of particular importance to the Kubis project are that it has greater focus on single user operation (as well as supporting collaborative work) and per page permission settings. The permission settings mean that users can configure access rights for every page. Another significant difference is that the folio wiki automatically generates hierarchical page structure and navigation as well as supporting the free-linking techniques implemented in MediaWiki.

3.3 Loggedinusers

Provides an indication of who else is currently accessing the site. The plug-in affects an area at the bottom of the side navigation panel to provide a list of active user sessions.

3.4 Messages

The messages plug-in provides an internal communication service between environment users, the service is analogous to an internal email service though is simpler and works with an email address provided by the user. The service sends email notifications to users when they receive messages if they have the notifications setting enabled.

3.5 Newsclient

The news client plug-in provides RSS feed aggregation within the environment, users can subscribe to any RSS feeds and read the content within the Kubis environment. The primary purpose for inclusion of the plug-in is to support aggregation of in-site activity so that users can track developments and activity that is relevant to their studies and interaction with other users. E.g a tutor may use the feature to aggregate the learning journals of several students. Elgg, Drupal and Moodle have strong support for RSS features.

3.6 Vanillaforum

The vanillaforum plug-in provides threaded discussion features. The plug-in was selected for the (pre-existing) integration with Elgg and support for extensibility via a collection of available plug-ins. The integration with Elgg means that all users can create and participate in forums and every new community is automatically provided with a forum when created.

3.7 Additions to the navigation bar

In addition to the third party plug-ins used to extend Elgg the plug-in interface has also been used for the purpose of adding buttons (links) to the Elgg navigation bar. The plug-in interface provides the simplest way to affect the contents of the navigation bar without hard-coding the contents. The following have been created in house, the naming prefix dictates the order that the buttons are added to the navigation bar:

- a_home_button – A link to the KubiSpace landing page
- a_notes_button – A link to (Kubis)Modules (the section that contains course notes)
- a_student_space – A link to the Kingston University Library services and student space (via go.kingston.ac.uk)
- z_friends_button – A link to a list of users of the system
- z_groups_button – A link to a list of communities on the system

3.8 Upgrade Issues relating to the use of Elgg

The Elgg project underwent reorganisation to change the project management to a different open source model between Release 0.9.1 and Release 1.0. The change in (admin) organisation was accompanied by extensive restructuring of the (software) architecture. The administrative change is intended to support a community model for project development, the old approach was managed centrally by the project founders. The change in architecture is a significant development intended to create a stronger divide between the (compact) core features and the plug-ins that are used to customise the application by providing extra functionality.

There remains a considerable difference between the Elgg versions that pre-date the change (now called Elgg Classic) and Elgg version 1. The KubiSpace platform has not been upgraded to the current (V1 +) versions due to limited support for LDAP based authentication. A second significant hurdle to adoption of the current version is/was the limited support for transferring the user data, this has now been addressed and tools to support the data import are available and the upgrade

techniques are documented on the Elgg website. LDAP support remains an issue of sufficient significance to delay upgrading.

The latest version of Elgg supports several desirable features which have the potential to enhance a users experience of the software, another significant development is the open data definition (ODD) which seeks to provide a standard format for user data in social networking environments. The ODD format is designed to support interchange of data and in doing so reduce the effort involved in entering and maintaining profile information.

4 Drupal

Kubis uses Drupal to provide (Kubis)Modules, a publishing services for Kubis tutors and administrators. Content added to the Drupal section of the system is only available to logged in users and can only be edited by users with specific editing permissions. Editing permissions are currently only given to tutors and specific administration/support staff. In addition to other reasons for selecting Drupal the application provides highly configurable control over the user permissions and roles.

The large developer base associated with the Drupal project means that many freely available features are available as plug-ins to extend the service. It is likely that this section of the system will host many of the feature additions that are expected in order to maintain the reactive response to user needs that was stated in the initial Kubis design brief. A significant feature in fulfilling this requirement is the feature called multi-site technology which means that multiple independent CMSs can be run from a single installation. The benefit of this approach to Kubis is that the policy of isolating the main sections of tutor content from the social networking section of the system can be easily maintained as separate CMSs can be spawned to contain any features that do not comply with this approach.

Initial development of the Kubis environment attempted to use MediaWiki as the teacher publishing tool, the approach was abandoned after several development iterations which were leading to increasing levels of internal development and application customisation. A particular aspect of this customisation was a demand for standardised hierarchical navigation to guide users through the page content and comprehensive WYSIWYG editing features built into the installation (rather than as a plug-in to a desktop editor such as Microsoft Word). Adoption of Drupal meant that a common hierarchical navigation was automatically added during content creation without requiring author effort and WYSIWYG editing features could be selected from a collection of competing plug-ins. Eventual WYSIWYG editor selection (TinyMCE) was based on the fact that the editor could be configured via the plug-in interface to provide the requested set of features which included Kubis specific formatting controls and an inline file manager/asset upload service.

The Kubis Drupal installation is currently augmented by the plug-ins contained in the following list; however, due to the reactive approach implemented by Kubis it may be beneficial to review the list of available plug-ins (referred to as modules) on the Drupal community website (<http://drupal.org/project/Modules>).

- LDAP integration
- LDAP provisioning
- Path Auto
- Token
- TinyMCE
- Userplus

4.1 LDAP integration

The LDAP integration module provides three features:

- *“ldapauth - allows users to authenticate against multiple LDAP or AD servers.*

- *ldapgroups - use LDAP groups as Drupal roles*
- *ldapdata - provides read or read/write access to LDAP data from within Drupal*

[\[http://drupal.org/project/ldap_integration\]](http://drupal.org/project/ldap_integration)

4.2 LDAP provisioning

“LDAP provisioning module provides a user registration process with an optional account approval queue in Drupal and creates user accounts in both LDAP server and Drupal.”

[\[http://drupal.org/project/ldap_provisioning\]](http://drupal.org/project/ldap_provisioning)

4.3 Pathauto

“The Pathauto module automatically generates path aliases for various kinds of content (nodes, categories, users) without requiring the user to manually specify the path alias. This allows you to get aliases like /category/my-node-title.html instead of /node/123. The aliases are based upon a "pattern" system which the administrator can control.”

[\[http://drupal.org/project/pathauto\]](http://drupal.org/project/pathauto)

4.4 Token

The Token module is a helper module which is required by the Pathauto module

4.5 TinyMCE

“This module was the first to integrate Moxiecode's popular TinyMCE WYSIWYG editor into a Drupal site for editing advance site content.”

[\[http://drupal.org/project/tinymce\]](http://drupal.org/project/tinymce)

The TinyMCE module has now been superceded by a more generic approach called the WYSIWYG api which abstracts the inclusion of WYSIWYG editors into Drupal. The Kubis Project continues to use the original version due to the support for an inline file manager that was created for the competing FCKEditor. The WYSIWYG api was not available during the initial development stages and early versions did not address this feature which is considered to be very important to Kubis tutors. The benefit of the inline file manager is that it provides a facility for uploading assets such as PDF documents and automatically completing the URL fields that are need to provide links to the assets without requiring the author to leave the editing environment.

4.6 Drupal Extensibility

The collection of plug-ins currently instantiated inside the Kubis Drupal installation does not express the wide range of features that were experimented with during project development. The feature set that was implemented during development has been stripped back to include only the features that are currently in use. Our current course (Business process development) has not yet required any of the advanced multimedia or additions to the social networking features that were initially included. The benefit of removing unused modules is the reduction of maintenance tasks and upgrade constraints.

5 Moodle

Integration of Moodle within the Kubis environment ((Kubis)Courses) provides access to traditional virtual learning environment (VLE) features via the use of a well established package. KubiSpace does not make extensive use of traditional VLE features, integration of Moodle is only intended only to provide features that are essential to course management and cannot be easily/satisfactorily achieved using Drupal, Elgg or incorporated plug-ins such as vanilla forums. Our only current example of such a task is the assignment drop-box feature.

Utilisation of Moodle for the assignment drop-box service was the result of a decision made at a Kubis course team meeting which was advised by a discussion of alternative approaches.

The decision to deliver Kubis web services using a social networking tool and content management system (CMS) in preference to a Virtual Learning Environment (VLE) is due to several factors:

- Existing VLEs do not support user customisation of the environment to the level required by the project brief.
- Existing VLEs do not provide the user-centric management of assets and resources required by the project brief.
- The Social networking tool selected for incorporation (Elgg) fulfils the user-centric aspect of the design brief without requiring customisation.
- CMS development and incorporation of internet trends is very likely to occur at speeds that far exceed the development of similar features for any of existing VLE.
- The CMS selected for incorporation into the environment (Drupal) is widely used and has a faster growing and larger selection of available plug-ins than any existing VLE. The availability of plugins means the environment can incorporate feature requests rapidly.
- The nature of a work-based learning course that uses customisable learning agreements creates a requirement for a highly flexible service that can adapt to meet the needs of the user. It is not clear that any of available VLE will provide sufficient flexibility to meet this requirement.

6 Appendix 1 Elgg Customisations

6.1 Customised landing pages

The following files affect the contents and page layout of all Elgg pages, users can override these features via the use of custom templates, accessible via a users account settings page.

{elgg-root}/mod/template/templates/Default_Template/frontpage_loggedin

{elgg-root}/mod/template/templates/Default_Template/frontpage_loggedout

{elgg-root}/mod/template/templates/Default_Template/pageshell

6.2 Customised Style Sheets

Defines the style (CSS) for Kubis elgg pages, users can override the main style definition via the account settings page.

{elgg-root}/mod/template/templates/Default_Template/css

{elgg-root}/mod/toolbar/css

{elgg-root}/mod/vanillaforum/vanilla/themes/vanilla/styles/default/vanilla.css

6.3 Additional Style Sheets

{elgg-root}/mod/toolbar/style.css

6.4 Additional Scripts

Controls the interactivity (tooltips) of the front page map

{elgg-root}/mod/mapscripts/

{elgg-root}/mod/mapscripts/tip_centerwindow.js

{elgg-root}/mod/mapscripts/tip_followscroll.js

{elgg-root}/mod/mapscripts/wz_tooltip.js

6.5 Customised and additional images

Non standard graphics files created to support branding, look and feel and usability

{elgg-root} favicon.ico

{elgg-root}/mod/favicon.ico

{elgg-root}/mod/template/templates/Default_Template/images: favicon.ico

{elgg-root}/mod/vanillaforum/vanilla/themes/vanilla/styles/default/favicon.ico

{elgg-root}/mod/template/templates/Default_Template/images: LogoBlue.jpg

```

{elgg-root}/mod/template/images: KubisStructure.gif
{elgg-root}/mod/template/images: TableBack.gif
{elgg-root}/mod/template/images: TableBackGrad.gif
{elgg-root}/mod/template/images: WiBack.gif
{elgg-root}/mod/template/images: WiBot.gif
{elgg-root}/mod/template/templates/Default_Template/images/footer.gif
{elgg-root}/mod/template/templates/Default_Template/images: header.gif
{elgg-root}/mod/template/templates/Default_Template/images: kulogo.gif
{elgg-root}/mod/template/templates/Default_Template/images: sidebar-bottom.gif
{elgg-root}/mod/template/templates/Default_Template/images: sidebar-top.gif
{elgg-root}/mod/template/templates/Default_Template/images: TableBack.gif
{elgg-root}/mod/folio/image/go-previous.png

```

6.6 Custom Plug-ins

An extremely simple collection of plugins that are used to add links to the tool/navigation bar at the top of every page

```

{elgg-root}/mod/a_home_button /
{elgg-root}/mod/a_notes_button /
{elgg-root}/mod/a_student_space /
{elgg-root}/mod/z_friends_button /
{elgg-root}/mod/z_groups_button/

```

Example: {elgg-root}/mod/a_home_button/lib.php: (alternative versions provided in software copy)

```

<?php
    //
function a_home_button_pagesetup() {
    global $profile_id;
    global $PAGE;
    global $CFG;

    $page_owner= $profile_id;

    if (isloggedin()) {
        /*if (defined("context") && context == "aHomeBut" && $page_owner == $_SESSION['userid']) {
            $PAGE->menu[] = array( 'name' => 'aHomeBut',
                                'html' => "<li><a href=\"http://www.kubis.org.uk/spaces/\"
class=\"selected\" >" . __gettext("BFiles") . "</a></li>");
        */
    } else {

```

```

        $PAGE->menu[] = array( 'name' => 'aHomeBut',
                                'html' => "<li><a href=\"http://www.kubis.org.uk/spaces/\" >"
        );
        __gettext("Home").'</a></li>');
        // }
    }
}
?>

```

6.7 Additional Themes

(Examples of alternative user themes (css declarations, page shells and customisable front page layouts) to support personalisation of a users environment) – (not required)

```

{elgg-root}/mod/template/templates/Ben1
{elgg-root}/mod/template/templates/Default_Left
{elgg-root}/mod/template/templates/Elgg-Blue
{elgg-root}/mod/template/templates/ElggBrightBlue
{elgg-root}/mod/template/templates/KuColours
{elgg-root}/mod/template/templates/KuColoursLeft

```

6.8 Changes to Elgg config file

The config file is located in the root Elgg directory and configures database access details, the customised version includes details for utilisation of LDAP authentication

(Security sensitive information hidden using asterisks)

```

<?php
// ELGG system configuration parameters.
// You could override default values here, to see all available
// options see config-defaults.php
// Note: some values are override by the values stored in database
// through admin manager

// External URL to the site (eg http://elgg.bogton.edu/)

$CFG->wwwroot = "http://www.kubis.org.uk/spaces/"; // **MUST** have a final slash at the end
// $CFG->dataroot = '/var/www/spacesdata/';
$CFG->dataroot = '/var/www/html/spaces/data/';
// Database configuration

$CFG->dbtype = "mysql";
$CFG->dbhost = "localhost";

$CFG->dbuser = "*****";
$CFG->dbpass = "*****";

```

```

$CFG->dbname = "*****";
$CFG->prefix = "spaces_";

// $CFG->sysadminemail = "b.jackson@kingston.ac.uk";

// Settings for initial administrator, only used at installation time
$CFG->newsinitialusername = "news";
$CFG->newsinitialpassword = "*****";
$CFG->loggedinusers_delimiter_Default_Template = '<br />';
////////////////////////////////////auth////////////////////////////////////
$CFG->auth = 'ldap';
//Configuration parameters in config.php:
// LDAP host
$CFG->ldap_host = 'localhost';
// LDAP port
$CFG->ldap_port = 389;
// Base DN - can be string or array of string for multiple DNs
$CFG->ldap_basedn = 'cn=people,dc=kubis,dc=local';
//$CFG->ldap_basedn = array('dc=curverider,dc=co,dc=uk', 'dc=bucketrider,dc=co,dc=uk');
// Bind as
$CFG->ldap_bind_dn = 'cn=bsearch,cn=search,dc=kubis,dc=local';
// Password for non anonymous bind
$CFG->ldap_bind_pwd = '*****';
// Protocol version
$CFG->ldap_protocol_version = 3;
// Filter for username, common are cn, uid or sAMAccountName
$CFG->ldap_filter_attr = 'cn';
// Search attributes: associative array with the key being the attribute
// description, and the value being the actual LDAP attribute. firstname
// lastname and mail are used to create the elgg user profile. The
// example below works for ActiveDirectory.
$CFG->ldap_search_attr = array('firstname' => 'givenname',
                             'lastname' => 'sn',
                             'mail' => 'mail');

// Create user, relies on the givenname, sn, and email attributes for now
$CFG->ldap_user_create = true;
// Fallback option, try internal authentication if everything fails
$CFG->ldap_internal_fallback = false
//$CFG->ldap_internal_fallback = true
?>

```

6.9 Changes to the Elgg root directory access directives

Changes to the .htaccess file in the root of the Elgg directory, Changes made to comply with plug-in installation instructions

(The original file is the default .htaccess file so only the new file is shown here - all changes have been added to the bottom of the file)

```
<IfModule !mod_rewrite.c>
    # ugly ugly hack to detect missing mod_rewrite
    # RedirectMatch must be to an absolute destination, so forces 500 error...
    ErrorDocument 500 "Elgg error: Apache does not have mod_rewrite loaded. Please check your apache
setup."
    RedirectMatch 302 .* index.php
</IfModule>

<Files "htaccess-dist">
    order allow,deny
    deny from all
</Files>

# Don't listing directory
Options -Indexes

# Follow symbolic links
Options +FollowSymLinks

# Default handler
DirectoryIndex index.php

# php 4, apache 1.x
<IfModule mod_php4.c>
    # default memory limit to 32Mb
    php_value memory_limit 32M
    # to make sure register global is off
    php_value register_globals 0
    # max post size to 50Mb
    php_value post_max_size 52428800
    # upload size limit to 50Mb
    php_value upload_max_filesize 52428800
    # hide errors, enable only if debug enabled
    php_value display_errors 0
</IfModule>

# php 4, apache 2
<IfModule sapi_apache2.c>
    # default memory limit to 32Mb
    php_value memory_limit 32M
    # to make sure register global is off
    php_value register_globals 0
    # max post size to 50Mb
```

```

    php_value post_max_size 52428800
    # upload size limit to 50Mb
    php_value upload_max_filesize 52428800
    # hide errors, enable only if debug enabled
    php_value display_errors 0
</IfModule>

# php 5, apache 1 and 2
<IfModule mod_php5.c>
    # default memory limit to 32Mb
    php_value memory_limit 32M
    # to make sure register global is off
    php_value register_globals 0
    # max post size to 50Mb
    php_value post_max_size 52428800
    # upload size limit to 50Mb
    php_value upload_max_filesize 52428800
    # hide errors, enable only if debug enabled
    php_value display_errors 0
</IfModule>

<IfModule mod_rewrite.c>

RewriteEngine on

# If Elgg is in a subdirectory on your site, you might need to add a RewriteBase line
# containing the path from your site root to elgg's root. e.g. If your site is
# http://example.com/ and Elgg is in http://example.com/sites/elgg/, you might need
#
#RewriteBase /sites/elgg/
#
# here, only without the # in front.
#
# If you're not running Elgg in a subdirectory on your site, but still getting lots
# of 404 errors beyond the front page, you could instead try:
#
#RewriteBase /

# Pages
#####
RewriteRule ^content\/(.*)?$ mod/pages/index.php?owner=-1&page=$1 [QSA,L]
RewriteRule ^([A-Za-z0-9]+)\/content\/(.*)?$ mod/pages/index.php?profile_name=$1&page=$2 [QSA,L]

RewriteRule ^_templates(\.)*?$ mod/template/index.php?%{QUERY_STRING}
RewriteRule ^_templates/edit.php$ mod/template/edit.php?%{QUERY_STRING}

```

```

RewriteRule ^_templates/preview.php$ mod/template/preview.php?%(QUERY_STRING)
RewriteRule ^_templates/css/(.+)$ mod/template/css.php?template=$1

RewriteRule ^(.+)\rssstyles.xsl$ mod/newsclient/styles.php?rssurl=$1&url=$1

RewriteRule ^([A-Za-z0-9+])\dashboard(\/*)?$ mod/adash/index.php?user=$1

RewriteRule ^([A-Za-z0-9+])\profile(\/*)?$ profile/index.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\tags(\/*)?$ search/personaltags.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\rss\/(.+)\/*?$ profile/rss2.php?profile_name=$1&tag=$2

# Invite
#####
RewriteRule ^invite\/$ mod/invite/index.php
ReWriteRule ^invite/join\/([A-Za-z0-9+])$ mod/invite/join.php?invitecode=$1
ReWriteRule ^register$ mod/invite/register.php
RewriteRule ^forgottenpassword$ mod/invite/forgotten_password.php
RewriteRule ^newpassword\/([A-Za-z0-9+])$ mod/invite/new_password.php?passwordcode=$1

RewriteRule ^([A-Za-z0-9+])\(\/*)?$ profile/index.php?profile_name=$1

# Activity
#####
RewriteRule ^_activity\/$ mod/activity/index.php
RewriteRule ^_activity\/index.php$ mod/activity/index.php?%(QUERY_STRING)

# Communities
#####
RewriteRule ^([A-Za-z0-9+])\communities\/*?$ mod/community/index.php?friends_name=$1
RewriteRule ^([A-Za-z0-9+])\communities\owned$ mod/community/owned.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\communities\new$ mod/community/new.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\community\delete$ mod/community/index.php?
profile_name=$1&action=community:delete
RewriteRule ^([A-Za-z0-9+])\community\requests$ mod/community/requests.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\community\requests\approve\/([0-9+])$ mod/community/requests.php?
profile_name=$1&action=community:approve:request&request_id=$2
RewriteRule ^([A-Za-z0-9+])\community\requests\decline\/([0-9+])$ mod/community/requests.php?
profile_name=$1&action=community:decline:request&request_id=$2
RewriteRule ^([A-Za-z0-9+])\community\members$ mod/community/members.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\community\add\/([0-9+])$ mod/community/index.php?
friends_name=$1&friend_id=$2&action=friend
RewriteRule ^([A-Za-z0-9+])\community\leave\/([0-9+])$ mod/community/index.php?
profile_name=$1&friend_id=$2&action=leave
RewriteRule ^([A-Za-z0-9+])\community\separate\/([0-9+])$ mod/community/members.php?
profile_name=$1&friend_id=$2&action=separate
RewriteRule ^community\/([0-9+])\/*?$ mod/communities/community.php?community_id=$1
RewriteRule ^([A-Za-z0-9+])\community\invite$ mod/community/invite.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+])\communities\invitations$ mod/community/user_community_invitations.php?

```

```

profile_name=$1

# Files
#####
RewriteRule ^([A-Za-z0-9]+)\files\/?$ mod/file/index.php?files_name=$1
RewriteRule ^([A-Za-z0-9]+)\files\/([0-9]+)\/?$ mod/file/index.php?files_name=$1&folder=$2
RewriteRule ^([A-Za-z0-9]+)\files\/([0-9-]+)\\/([0-9]+)\/(.+$) mod/file/download.php?
files_name=$1&folder=$2&filename=$4&id=$3
RewriteRule ^(([A-Za-z0-9])[A-Za-z0-9]+)\files\rss\/?$ mod/newsclient/static.php?
username=$1&userref=$2&type=files
RewriteRule ^([A-Za-z0-9]+)\files\rss\/(.+)\/?$ mod/file/rss2.php?files_name=$1&tag=$2
RewriteRule ^_icon\file\/([0-9]+)$ mod/file/icon.php?id=$1
RewriteRule ^_files\icon.php$ mod/file/icon.php?%{QUERY_STRING}

# Friends
#####
RewriteRule ^([A-Za-z0-9]+)\friends\/?$ mod/friend/index.php?friends_name=$1
RewriteRule ^([A-Za-z0-9]+)\friendsof\/?$ mod/friend/friendsof.php?friends_name=$1
RewriteRule ^([A-Za-z0-9]+)\friends\requests?$ mod/friend/requests.php?friends_name=$1
RewriteRule ^([A-Za-z0-9]+)\foaf\/?$ mod/friend/foaf.php?friends_name=$1

# Icons
#####
RewriteRule ^_icons\/$ mod/icons/index.php
RewriteRule ^_icon\user\/([0-9]+)$ mod/icons/icon.php?id=$1
RewriteRule ^_icon\user\/([0-9]+)\\/([A-Za-z])\/([0-9]+)$ mod/icons/icon.php?
id=$1&constraint1=$2&size1=$3
RewriteRule ^_icon\user\/([0-9]+)\\/([A-Za-z])\/([0-9]+)\\/([A-Za-z])\/([0-9]+)$ mod/icons/icon.php?
id=$1&constraint1=$2&size1=$3&constraint2=$4&size2=$5

# Tags
#####

RewriteRule ^tag\/(.+)\/?$ search/all.php?tag=$1
RewriteRule ^rsstag\/(.+)\/?$ search/rss.php?tag=$1
RewriteRule ^tag\/(.+)\ecl\/?$ search/ecl.php?tag=$1

# Newsclient
#####
RewriteRule ^(([A-Za-z0-9])[A-Za-z0-9]+)\rss\/?$ mod/newsclient/static.php?
username=$1&userref=$2&type=profile
RewriteRule ^([A-Za-z0-9]+)\newsclient\/?$ mod/newsclient/subscriptions.php?profile_name=$1
RewriteRule ^([A-Za-z0-9]+)\newsclient\all\/?$ mod/newsclient/index.php?profile_name=$1
RewriteRule ^([A-Za-z0-9]+)\newsclient\all\skip=([0-9]+)$ mod/newsclient/index.php?
profile_name=$1&feed_offset=$2
RewriteRule ^([A-Za-z0-9]+)\feeds\/?$ mod/newsclient/subscriptions.php?profile_name=$1
RewriteRule ^([A-Za-z0-9]+)\feeds\all\/?$ mod/newsclient/index.php?profile_name=$1

```

```

RewriteRule ^([A-Za-z0-9+)\./feeds/all/skip=([0-9]+)$ mod/newsclient/index.php?
profile_name=$1&feed_offset=$2
RewriteRule ^_rss/([A-Za-z_+).php$ mod/newsclient/$1.php%{QUERY_STRING}

# Users
#####
RewriteRule ^_userdetails/$ mod/users/index.php%{QUERY_STRING}
RewriteRule ^_userdetails/index.php$ mod/users/index.php%{QUERY_STRING}

# Weblog
#####
RewriteRule ^([A-Za-z0-9+)\./weblog/?$ mod/blog/index.php?weblog_name=$1
ReWriteRule ^([A-Za-z0-9+)\./weblog/skip=([0-9]+)$ mod/blog/index.php?
weblog_name=$1&weblog_offset=$2
RewriteRule ^([A-Za-z0-9+)\./weblog/edit$ mod/blog/edit.php?profile_name=$1
RewriteRule ^([A-Za-z0-9+)\./weblog/edit/([0-9]+)$ mod/blog/edit.php?
profile_name=$1&weblog_post_id=$2&action=edit
RewriteRule ^([A-Za-z0-9+)\./weblog/archive/?$ mod/blog/archive.php?weblog_name=$1
RewriteRule ^([A-Za-z0-9+)\./weblog/archive/([0-9]+)/([0-9]+)/?$ mod/blog/archive_month.php?
weblog_name=$1&year=$2&month=$3
RewriteRule ^([A-Za-z0-9+)\./weblog/friends/?$ mod/blog/friends.php?weblog_name=$1
ReWriteRule ^([A-Za-z0-9+)\./weblog/friends/skip=([0-9]+)$ mod/blog/friends.php?
weblog_name=$1&weblog_offset=$2
RewriteRule ^([A-Za-z0-9+)\./weblog/interesting/?$ mod/blog/interesting.php?weblog_name=$1
ReWriteRule ^([A-Za-z0-9+)\./weblog/interesting/skip=([0-9]+)$ mod/blog/interesting.php?
weblog_name=$1&weblog_offset=$2
RewriteRule ^[A-Za-z0-9+)\./weblog/([0-9+)\.html$ mod/blog/view_post.php?post=$1
RewriteRule ^[A-Za-z0-9+)\./weblog/([0-9+)\.html.([0-9+)\)$ mod/blog/view_post.php?
post=$1&commentpage=$2
RewriteRule ^([A-Za-z0-9+)\./weblog/rss/(.)\/?$ mod/blog/rss2.php?
weblog_name=$1&tag=$2&modifier=is
RewriteRule ^([A-Za-z0-9+)\./weblog/rssnot/(.)\/?$ mod/blog/rss2.php?
weblog_name=$1&tag=$2&modifier=not
RewriteRule ^(([A-Za-z0-9]) [A-Za-z0-9+)\./weblog/rss/?$ mod/newsclient/static.php?
username=$1&userref=$2&type=weblog
RewriteRule ^([A-Za-z0-9+)\./weblog/category/([^\/]+)\/?$ mod/blog/index.php?
weblog_name=$1&filter=$2
ReWriteRule ^([A-Za-z0-9+)\./weblog/category/([^\/]+)\./skip=([0-9]+)$ mod/blog/index.php?
weblog_name=$1&filter=$2&weblog_offset=$3
ReWriteRule ^weblog/everyone$ mod/blog/everyone.php
ReWriteRule ^weblog/everyone/(people|communities|commented|uncommented)$ mod/blog/everyone.php?
filter=$1
ReWriteRule ^weblog/everyone/skip/([0-9]+)$ mod/blog/everyone.php?weblog_offset=$1

# Some blogging clients probe Wordpress or MoveableType endpoints,
# redirect them to the Elgg xml-rpc endpoint
#
RewriteRule xml-rpc.php _rpc/RPC2.php
RewriteRule mt/mt-xmlrpc.cgi _rpc/RPC2.php

```



```

#-----
--

#-----
--

# Rules for the Wiki Folio add-in
#-----
--

#

# Rewrite page path to make view.php?user=bob&page=Hi to \bob\page\hi
#   Need to have the /whatever ones first, as the generic pattern
#   will match things with a / char.

# Homepage Rule
RewriteRule ^([A-Za-z0-9+)\page\/?$ mod/folio/html/homepage.php?user=$1

# Redirect from Page Ident to the normal view page.
#   Allows coding with page_ident instead of needing username. Useful with long
#   lists of pages.
RewriteRule ^page\/([0-9]+)$ mod/folio/html/page_redirection.php?page_ident=$1

# Archived Pages
#   For archived pages, pull up via page_ident & created_ident, as page title uniqueness
#   is only guaranteed for newest=1 pages.
RewriteRule ^([A-Za-z0-9+)\page\/([0-9]+)\:([0-9]+)/revert$ mod/folio/html/view_old.php?
user=$1&page_ident=$2&created=$3&revert=1 [L]
RewriteRule ^([A-Za-z0-9+)\page\/([0-9]+)\:([0-9]+)$ mod/folio/html/view_old.php?
user=$1&page_ident=$2&created=$3&revert=0 [L]

#   I don't want history pages pulled up via pagenames. See above note.
RewriteRule ^([A-Za-z0-9+)\page\/(.*)\:([0-9]+)$ [R=404]

# Regular Pages
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/history$ mod/folio/html/history.php?user=$1&page=$2
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/addpage$ mod/folio/html/new.php?user=$1&parentpage=$2
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/new$ mod/folio/html/new.php?user=$1&page=$2
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/edit$ mod/folio/html/edit.php?user=$1&page=$2
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/options$ mod/folio/html/options.php?user=$1&page=$2
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/delete$ mod/folio/html/delete.php?user=$1&page=$2
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/template?$ mod/folio/html/template.php?user=$1&page=$2

#   Rewrite so that addresses like elgg/garrettn/page/title/ will generate a 404
RewriteRule ^([A-Za-z0-9+)\page\/(.*)/$ [R=404]

#   Regular page access
RewriteRule ^([A-Za-z0-9+)\page\/(.*)$ mod/folio/html/view.php?user=$1&page=$2

```

```
# Feeds

# elgg/activity/[mode=all/fac/inbox/user]/[username]{:optional pwd key}/[format]/[types]/[tags]/
[page]{:}{optional un=optional pwd}

RewriteRule ^activity\[([a-z]+)\]\/\[([A-Za-z0-9]+)\]\/\[([a-z]+)\]\/\[([\_\-\+A-Za-z0-9]+)\]\/\[([\_\-\+A-Za-z0-9]+)\]\/\[([0-9]+)\]\/\?:?([A-Za-z0-9\:]*)$ mod/folio/html/feeds.php?
mode=$1&user=$2&format=$3&types=$4&tags=$5&page=$6&reader=$7

# JS & CSS Rewrites

RewriteRule ^mod\/folio\/js\/(.*)\.js$ mod/folio/js/$1.js.php
RewriteRule ^mod\/folio\/css\/(.*)\.css$ mod/folio/css/$1.css.php

#-----
--

</IfModule>
```

6.10 Changes made to the login function to remove the “remember me” option

Change made to prevent login details being stored between sessions by a user's browser as this could be problematic in workplace based scenarios. Changes made to {elgg-root}/lib/elgglib.php

Line 3385-3389

From:

```
// Set Persistent Cookie
$rememberme = optional_param('remember',0);
if (!empty($rememberme)) {
    remember_login($user->ident);
}
```

To:

```
// Set Persistent Cookie
$rememberme = optional_param('remember',0);
// if (!empty($rememberme)) {
    remember_login($user->ident);
// }
```

Line 3535

From

```
setcookie(AUTH_COOKIE, $ticket, time()+AUTH_COOKIE_LENGTH, $CFG->cookiepath);
```

To:

```
// setcookie(AUTH_COOKIE, $ticket, time()+AUTH_COOKIE_LENGTH, $CFG->cookiepath);
```

```
setcookie(AUTH_COOKIE, $ticket, 0, $CFG->cookiepath);
```

6.11 Feature Renaming

The blog feature has been renamed to learning journal, the change is to support pedagogic requirements requested by the project director. The multiple small changes are best viewed by issuing the following command upon the source folder and the duplicate copy used to store unmodified code.

The following command:

```
diff -r elgg-0.9.1/mod/blog/lib.php spaces/mod/blog/lib.php
```

Creates the following output

Please note: the directory spaces contains the customised version, the directory elgg-0.9.1 contains an unedited version including unedited versions of the plugins. The contents of these directories are provided in electronic form along with this report to simplify comparisons and assist analysis by technical staff

```
64c64
<      'html' => "<li><a href=\"{$CFG->wwwroot}{$_SESSION['username']}/weblog\"
class=\"selected\" >" . __gettext("Your Blog") . '</a></li>';
---
>      'html' => "<li><a href=\"{$CFG->wwwroot}{$_SESSION['username']}/weblog\"
class=\"selected\" >" . __gettext("Learning Journal") . '</a></li>';
69c69
<      'html' => "<li><a href=\"{$CFG->wwwroot}{$_SESSION['username']}/weblog\" >" .
__gettext("Your Blog") . '</a></li>';
---
>      'html' => "<li><a href=\"{$CFG->wwwroot}{$_SESSION['username']}/weblog\" >" .
__gettext("Learning Journal") . '</a></li>';
93c93
<      'html' => "<a href=\"{$CFG->wwwroot}{$weblog_username}/weblog/\">" . __gettext("View
blog") . '</a>';
---
>      'html' => "<a href=\"{$CFG->wwwroot}{$weblog_username}/weblog/\">" . __gettext("View
Journal") . '</a>';
101c101
<      'html' => "<a href=\"{$CFG->wwwroot}{$weblog_username}/weblog/friends/\">" .
__gettext("Friends' blogs") . '</a>';
---
>      'html' => "<a href=\"{$CFG->wwwroot}{$weblog_username}/weblog/friends/\">" .
__gettext("Friends' journals") . '</a>';
208,209c208,209
<   $CFG->widgets->list[]= array ('name' => __gettext("Blog widget"),
<                                     'description' => __gettext("Displays the latest blog posts from a
blog of your choice."),
---
>   $CFG->widgets->list[]= array ('name' => __gettext("Learning Journal widget"),
>                                     'description' => __gettext("Displays the latest posts from a
journal of your choice."),
289c289
<   return array ('title' => __gettext('Blog').' :: '.htmlspecialchars(user_name($blog_id),
```

```

ENT_COMPAT, 'utf-8'), 'content' => $body);
---
> return array ('title' => __gettext('Learning Journal').' ::
'.htmlspecialchars(user_name($blog_id), ENT_COMPAT, 'utf-8'), 'content' => $body);
320,321c320,321
< $body= "<h2>" . __gettext("Blog widget") . "</h2>";
< $body .= "<p>" . __gettext("This widget displays the last couple of blog posts from an
individual user. To begin, select the user from your connections below:") . "</p>";
---
> $body= "<h2>" . __gettext("Journal") . "</h2>";
> $body .= "<p>" . __gettext("This widget displays the last couple of Journal posts from an
individual user. To begin, select the user from your connections below:") . "</p>";
641c641
<         $_default = __gettext('Blog');
---
>         $_default = __gettext('Journal');

```

6.11.1 Supporting changes (renaming) made to affect RSS feeds

{elgg-root}/mod/export/lib.php

Best viewed by issuing the following command upon the source folder and the duplicate copy used to store unmodified code.

The following command:

```
diff -r elgg-0.9.1/mod/export/lib.php spaces/mod/export/lib.php
```

Creates the following output:

```

14c14
<         'html' => "<a href=\"{"$CFG-
>wwwroot}mod/export/blogashtml.php/export.html\">". __gettext("Download blog as HTML") . "</a>"
---
>         'html' => "<a href=\"{"$CFG-
>wwwroot}mod/export/blogashtml.php/export.html\">". __gettext("Download journal as HTML") . "</a>"
18c18
<         'html' => "<a href=\"{"$CFG->wwwroot}mod/export/blog.php/export.rss\">".
__gettext("Download blog as RSS") . "</a>"
---
>         'html' => "<a href=\"{"$CFG->wwwroot}mod/export/blog.php/export.rss\">".
__gettext("Download journal as RSS") . "</a>"

```

NB: also see section 6.36 for additional changes related to renaming blogs

6.12 Preventing non logged in users browsing the user list

changes to {elgg-root}/mod/browser/lib.php --- added an isLoggedInIn() block so that only logged in users can browse the list of users

Line 32:

```
if (isLoggedInIn()) {
```

Closing brace appears on Line 230

6.13 Preventing non logged in users viewing comment walls

Changes made to {elgg-root}/mod/commentwall/lib.php --- added an if isloggedin() so that comment wall is only visible to logged in users. (The same change as was made to affect browsing of the user list)

change made to line 16 and closing brace added to line 50

6.14 Prevent non logged in users searching site tags

Changes made to {elgg-root}/mod/search/lib/tags_display.php

change made to line 13

From:

```
GROUP BY tag having number > 0 order by rand limit 200",array('PUBLIC')) {
```

To:

```
GROUP BY tag having number > 0 order by rand limit 200",array('LOGGED_IN')) {
```

6.15 Removal of a second login pane

The second login pane was hidden in response to a request by the project director with respect to usability concerns of offering alternative Login panes

Bulk of the code deactivated by enclosing in a comment block (using the following notation /*.....*/)

Changes added /comment opened at line 9 and closed at line 66

6.16 Adjustment to navigation bar entry for the messages plugin

Reduces the entry “Your Messages” to “Messages” to save space in the navigation bar

The following command:

```
diff -r elgg-0.9.1/mod/messages/lib.php spaces/mod/messages/lib.php
```

Creates the following output:

```
23c23
<         __gettext("Your Messages") . " ($messages) ".</a></li>');
---
>         __gettext("Messages") . " ($messages) ".</a></li>');
27c27
<         'html' => '<li><a href="' . $CFG->wwwroot . $_SESSION['username'] . '/messages/">' .
__gettext("Your Messages") .
---
>         'html' => '<li><a href="' . $CFG->wwwroot . $_SESSION['username'] . '/messages/">' .
__gettext("Messages") .
```

6.17 Adjustment to navigation bar entry for the friends feature

Reduces the entry “Your Network” to “Network” to save space in the navigation bar

Changes made to file {elgg-root}/mod/friend/lib.php

The multiple small changes are best viewed by issuing the following command upon the source folder and the duplicate copy used to store unmodified code.

The following command:

```
diff -r elgg-0.9.1/mod/friend/lib.php spaces/mod/friend/lib.php
```

Creates the following output:

```
21c21
<                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/friends/\" class=\"selected\" >" .__gettext("Your Network").'</a></li>');
---
>                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/friends/\" class=\"selected\" >" .__gettext("Network").'</a></li>');
24c24
<                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/friends/\" >" .__gettext("Your Network").'</a></li>');
---
>                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/friends/\" >" .__gettext("Network").'</a></li>');
```

6.18 Adjustment to navigation bar entry for the news plug-in

Reduces the entry “Your Resources” to “News” to save space in the navigation bar

Changes made to file {elgg-root}/mod/newsclient/lib.php

The multiple small changes are best viewed by issuing the following command upon the source folder and the duplicate copy used to store unmodified code.

Changes made to **lines 15 & 18** the following command:

```
diff -r elgg-0.9.1/mod/newsclient/lib.php spaces/mod/newsclient/lib.php
```

Creates the following output:

```
15c15
<                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/feeds/\" class=\"selected\" >" .__gettext("Your Resources").'</a></li>');
---
>                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/feeds/\" class=\"selected\" >" .__gettext("News").'</a></li>');
18c18
<                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/feeds/\" >" .__gettext("Your Resources").'</a></li>');
---
>                                     'html' => "<li><a href=\"{$CFG->wwwroot}
{$_SESSION['username']}/feeds/\" >" .__gettext("News").'</a></li>');
```

6.19 Adjustment to navigation bar entry for the profile feature

Reduces the entry “Your Profile” to “Profile” to save space in the navigation bar

Changes made to file {elgg-root}/mod/profile/lib.php

Changes made to **Lines 16 & 20**, the following command:

```
diff -r elgg-0.9.1/mod/profile/lib.php spaces/mod/profile/lib.php
```

Creates the following output:

```
16c16
<
                'html' => '<li><a href="' . $CFG->wwwroot . $_SESSION['username'] .
'/profile/" class="selected">' . __gettext("Your Profile") . '</a></li>');
---
>
                'html' => '<li><a href="' . $CFG->wwwroot . $_SESSION['username'] .
'/profile/" class="selected">' . __gettext("Profile") . '</a></li>');
20c20
<
                'html' => '<li><a href="' . $CFG->wwwroot . $_SESSION['username'] .
'/profile/">' . __gettext("Your Profile") . '</a></li>');
---
>
                'html' => '<li><a href="' . $CFG->wwwroot . $_SESSION['username'] .
'/profile/">' . __gettext("Profile") . '</a></li>');
```

6.20 Script added to the toolbar feature to support Single Sign On for Kubis services

The file {elgg-root}/mod/toolbar/toolbarloggedout.inc is replaced by the following content

The content replaces the original Elgg login script with one that signs into all Kubis applications. The changes also remove some Elgg branding from the toolbar (line 63).

```
<!--start of added by ben-->
<script language="Javascript">
<!--

function Action1()
{
    document.Form1.action = "http://www.kubis.org.uk/spaces/login/index.php?"
    document.Form1.target = "iframe1";    // Open in a hidden frame
    document.Form1.submit();              // Submit the page
    return true;
}

function Action2()
{
    //document.Form3.password.value =document.Form1.password.value ;
    //document.Form3.username.value =document.Form1.username.value ;
    document.Form1.action = "http://www.kubis.org.uk/courses/login/index.php?"
    document.Form1.target = "iframe3";    // Open in a hidden frame
    document.Form1.submit();              // Submit the page
    return true;
}

function Action3()
{
    document.Form2.pass.value =document.Form1.password.value ;
```

```

document.Form2.name.value =document.Form1.username.value ;
document.Form2.action = "http://www.kubis.org.uk/books/content/welcome?destination=book?"
document.Form2.target = "iframe2";    // Open in a hidden frame
document.Form2.submit();              // Submit the page
return true;
}
// wait x seconds then refresh the page
function Refresher() {
    //alert("developer testing in progress");
    setTimeout("location.reload(true);",1500);
}
-->
</script>
<!-- end added by ben -->
<div id="elggtoolbar"><!-- start toolbar -->

    <form name="Form1" method="post">
        <a href="{{url}}">{{logon}}</a>
        <label>{{username}}&nbsp;<input type="text" name="username" id="toolbarusername"
style="size: 200px" /></label>
        <label>{{password}}&nbsp;<input type="password" name="password" id="toolbarpassword"
style="size: 200px" /></label>
        <!--label><input type="checkbox" name="remember" checked="checked" />{{remember}}</label-->
        <input type="submit" value="&gt;&gt;" onclick="return (Action1() && Action2()&& Action3())&&
Refresher());"/>

    </form>

    <form name="Form2" accept-charset="UTF-8" method="post" id="user-login-form2">
        <input type="hidden" maxlength="60" name="name" id="edit-name" size="15" value=""
class="form-text required" />
        <input type="hidden" name="pass" id="edit-pass" maxlength="60" size="15" class="form-text
required" />
        <input type="hidden" name="op" id="edit-submit" value="Log in" class="form-submit"
onclick="return (Action3());"/>
        <input type="hidden" name="form_id" id="edit-user-login-block" value="user_login_block" />
    </form>

    <form name="Form3" accept-charset="UTF-8" method="post" id="user-login-form3">
        <input type="hidden" maxlength="60" name="username" id="edit-name" size="15" value=""
class="form-text required" />
        <input type="hidden" name="password" id="edit-pass" maxlength="60" size="15" class="form-
text required" />
        <input type="hidden" name="op" id="edit-submit" value="Log in" class="form-submit"
onclick="return (Action2());"/>
        <!--<input type="hidden" name="form_id" id="edit-user-login-block" value="user_login_block"
/> -->
    </form>

    <div id="powered-by-elgg"><!-- open div global_menuoptions -->
        <!-- a href="http://elgg.org/"></a -->

```

```

</div>
    <div style="visibility:hidden">
<iframe NAME="iframe1" WIDTH="1" HEIGHT="1"></iframe>
<iframe NAME="iframe2" WIDTH="1" HEIGHT="1" src ="/books/content/welcome?
destination=book"></iframe>
<iframe NAME="iframe3" WIDTH="1" HEIGHT="1" ></iframe>
</div>
</div><!-- end toolbar div -->

<div style="clear:both;" />

```

6.21 Script added to the toolbar feature to support Single Sign Out operation for Kubis services

The script replaces all of the original content in {elgg-root}/mod/toolbar/toolbar.inc

with:

```

<!--modified by ben -->
<script language="Javascript">
<!--

function kubisLogout1() {
    document.FormA.action = "http://www.kubis.org.uk/spaces/login/logout.php";
    document.FormA.submit();           // Submit the page
    return true;
}

function kubisLogout2() {
    document.FormA.action = "http://www.kubis.org.uk/books/logout";
    document.FormA.target = "iframe1"; // Open in a hidden frame
    document.FormA.submit();           // Submit the page
    return true;
}

function kubisLogout3() {
    document.FormA.action = "http://www.kubis.org.uk/courses/login/logout.php";
    document.FormA.target = "iframe2"; // Open in a hidden frame
    document.FormA.submit();           // Submit the page
    return true;
}

/*
function kubisLogout(){
    var bBooks = false;
    var bCourses = false;
    var bSpaces = false;

    bBooks = logoutBooks();
    bCourses = logoutCourses();
}

```

```

    bSpaces = logoutSpaces();
    if (!bCourses) {bCourses = logoutCourses();}
    if (!bBooks) {bBooks = logoutBooks();}
    if (!bSpaces) {bSpaces = logoutSpaces();}
    timedRefresh(1000);
    return true;
}
// wait x seconds then refresh the page
function timedRefresh(timeoutPeriod) {
    setTimeout("location.reload(true);",timeoutPeriod);
}
function logoutSpaces() {
    document.FormA.action = "http://www.kubis.org.uk/spaces/login/logout.php";
    document.FormA.target = "iframe3";    // Open in a hidden frame
    document.FormA.submit();              // Submit the page
    return true;
}

function logoutBooks() {
    document.FormA.action = "http://www.kubis.org.uk/books/logout";
    document.FormA.target = "iframe1";    // Open in a hidden frame
    document.FormA.submit();              // Submit the page
    return true;
}

function logoutCourses() {
    document.FormA.action = "http://www.kubis.org.uk/courses/login/logout.php";
    document.FormA.target = "iframe2";    // Open in a hidden frame
    document.FormA.submit();              // Submit the page
    return true;
}
*/
-->
</script>
<!-- end modified by ben -->
<div id="elggtoolbar"><!-- start toolbar -->
    <ul id="navigation"><!-- open div navigation -->
        {menu}
    </ul><!-- close div navigation -->
    <div id="global-menuoptions"><!-- open div global_menuoptions -->
        {topmenu}

    </div><!-- close div global_menuoptions -->
    <div style="visibility:hidden">
<iframe NAME="iframe1" WIDTH="1" HEIGHT="1"></iframe>
<iframe NAME="iframe2" WIDTH="1" HEIGHT="1"></iframe>

```

```
<iframe NAME="iframe3" WIDTH="1" HEIGHT="1"></iframe>
</div>
</div><!-- end toolbar div -->

<div style="clear:both;" />
```

6.22 Changes made to support Single Sign out feature

Changes made to {elgg-root}/lib/templates.php to call each of the separate sign out functions from a single script action

Line107-117

From:

```
$PAGE->menu_top[] = array(
    'name' => 'logoff',
    //'html' => a_href("{$CFG-
>wwwroot}login/logout.php",
    //          "Log off"));
    'html' => "<li><a href=\"\" . $CFG->wwwroot .
\"login/logout.php\">\" . __gettext("Log off") . "</a></li>";
};
```

To:

```
$PAGE->menu_top[] = array(
    'name' => 'logoff',
    //'html' => a_href("{$CFG-
>wwwroot}login/logout.php",
    //          "Log off"));

//modified by ben
//          'html' => "<li><a href=\"\" . $CFG-
>wwwroot . \"login/logout.php\">\" . __gettext("Log off") . "</a></li>";
'html' => "<li> <form name=\"FormA\" method=\"post\" id=\"klogout\"><input
type=\"submit\" name=\"op\" id=\"klogout\" value=\"Log out\" onclick=\"return
(kubisLogout1() && kubisLogout2() && kubisLogout3());\"/></form></li>";
// 'html' => "<li> <form name=\"FormA\" method=\"post\" id=\"klogout\"><input
type=\"submit\" name=\"op\" id=\"klogout\" value=\"Log out\" onclick=\"return
(kubisLogout());\"/></form></li>";
//end modified by ben

};
```

6.23 Login Support Page

A separate (html) page added in case of problems with the single sign on feature, the page allows users to login to each section of the system independently of the remainder of the system. The page use the original sign-in features of each application and provides a fall-back sign in operation for situations when the single-sign on feature does not work.

Please note that in terms of providing support for sign-in problems the first step should always be to advise the user to close all browser windows/instances, and then proceed to restart the browser. Most users do not realise that separate browser windows are part of a single application instantiation.

The file `singlelogin.html` is stored at the root of the webserver

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>
      Kubis Login Support
    </title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    <link href="/spaces/_templates/css/Default_Template" rel="stylesheet" type="text/css" />
  </head>
  <body>
    <div id="container">
      <!-- open container which wraps the header, maincontent and sidebar -->
      <div id="header">
        <!-- open div header -->
        <div id="header-inner">
          <div id="logo">
            <!-- open div logo -->
            <h1>
              <a href="/spaces/">KubiSpace</a></h1>
            <h2>Building Online Learning Communities</h2>
          </div>
          <!-- close div logo -->
          <!--Start Kingston University Logo-->
          <h3>
            <a href="http://www.kingston.ac.uk" title="Visit Kingston University">
              </a></h3>
          <!--End Kingston University Logo-->
          </div>
        </div>
        <!-- close div header -->
        <div id="content-holder">
          <!-- open content-holder div -->
          <div id="content-holder-inner">
            <div id="splitpane-sidebar">
              <!-- open splitpane-sidebar div -->
              <div id="sidebar-contents">
                <!--<ul> open sidebar lists -->
                <div id="sidebar-holder">
                  <div id="sidebar-profile" class="sidebar-block ">
```

```

        <h2>Kubis Help Links</h2>
        <ul>
            <li>
                <a href='/spaces/kutips/page/Kubis+Services+Overview'>Kubis Service
Descriptions</a></li>
            <li>
                <a href='/spaces/kutips/page/KuTips+Help+Manual+Home+Page'>Kubis Documentation
Project</a></li>
            <li>
                <a href='/spaces/kutips/page/KubiSpace+User+Help+Pages'>KubiSpace User help
Pages</a></li>
        </div>
        <div class="sidebar-block ">
            <h2>Kubis Sites</h2>
            <ul>
                <li>
                    <a href='/books/'>KubisBooks</a></li>
                <li>
                    <a href='/spaces/'>KubiSpace</a></li>
                <li>
                    <a href='/courses/'>KubisCourses</a></li>
                <li>
                    <a href='http://www.kubis.org.uk/web/'>KubisWeb</a></li>
            </ul>
        </div>
    </div>
</div>
<!-- close splitpane-sidebar div -->
<div id="splitpane-content">
    <!-- open splitpane-content div -->
    <!--login panes-->
    <center>
        <h1>Welcome To the Kubis Login Support Page</h1>
        <!-- -->
    </center>
    <p> This page is a support tool to assist users who are experiencing difficulty using
the multiple login function implemented in the KubiSpace toolbar. If you experience persistent
problems with the multiple login please report it to the site administrator.
    </p>
    <p>Kubis web services make extensive use of cookies and scripting, your browser must
have these features enabled in order to access the full range of content</p>
    <ul>
        <li>
            <hr>
            <div >
                <h3>Login to KubiSpace (testspaces)</h3>
                <p> Kubis user services

```



```

        </label>
        <label> Password&nbsp;
            <input type="password" name="password" id="coursepassword" style="size:
200px" />
        </label>
        <!-- <label><input type="checkbox" name="remember" checked="checked" />Remember
me</label> -->
            <input type="submit" value="&gt;&gt;" />
        </form>
    </div></li>
    <hr>
</ul>
    <!--end login panes-->
</div>
    <!-- close open splitpane-content div -->
</div>
</div>
<!-- close content-holder div -->
<div id="footer">
    <!-- start footer -->
    <div id="footer-inner"> <br />
    </div>
</div>
    <!-- end footer -->
</div>
    <!-- close container div -->
</body>
</html>

```

6.24 Changes made to alter the account editing page to inform and direct users to the correct part of the environment for altering passwords (LDAP)

Changes made to {elgg-root}/mod/users/lib/userdetails_edit.php differ

Lines 11 & 12

From:

```

$changeName = __gettext("Change your full name:"); // gettext variable
$displayed = __gettext("This name will be displayed throughout the
system."); // gettext variable

```

To:

```

$changeName = __gettext("Change your display name:"); // gettext variable
$displayed = __gettext("This name will be displayed throughout the KubiSpace
section of the Kubis Services."); // gettext variable

```

Line 28

From:

```
'name' => __gettext("Your full name " ),
```

To:

```
'name' => __gettext("Your name as you would like it to appear to other
KubiSpace Users"),
```

Lines 32-63 inclusive

(Removes local password changing features and directs users to correct place to perform the edit. The correct place for users to change passwords is in the drupal interface which allows adjustment of the password stored by the LDAP server)

```

    if (empty($CFG->disable_passwordchanging)) {
        $password = __gettext("Change your password:"); // gettext variable
        $passwordRules = __gettext("In order to reduce the number of logins required to use Kubis
web services your KubiSpace account is configured to use the username and password from your
KubisModules account. Please use the following link to access the <a href='/books/user'>KubisModules
account editing service.</a> "); // gettext variable

        $body .= <<< END

<h2>
    $password
</h2>
<p>
    $passwordRules
</p>
<br />
END;
/*
    $body .= templates_draw(array(
        'context' => 'databox',
        'name' => __gettext("Your password: "),
        'column1' => "<input type=\"password\" name=\"password1\" value=\"\" />"
    )
    );

    $body .= templates_draw(array(
        'context' => 'databox',
        'name' => __gettext("Again for verification purposes: "),
        'column1' => "<input type=\"password\" name=\"password2\" value=\"\" />"
    )
    );
*/
```

Line 65

Describes the various Email address instructions and display variables available to users

From:

```
$emailRules = __gettext("This will not be displayed to other users; you can choose to make an email address available via the profile screen."); // gettext variable
```

To:

```
$emailRules = __gettext("Your KubiSpace email address will not be displayed to other users; you can choose to make an email address available via the profile screen."); // gettext variable
```

Line 71-82 inclusive

(Additional description text to explain multiple email address fields)

```
<p>
    Kubis web services store 3 different email addresses for your account, you should ensure that you make changes to the correct one to suit you purposes.
</p>
<ul>
    <li>Your KubiSpace email address is used to notify you of changes to your KubiSpace account. If you enable email notifications then you will also receive notification of activity on your account such as comments and message notifications. Your KubiSpace email address will not be displayed to other users.
    </li>
    <li>Your KubisModules email address is used to notify you of changes to the course notes system. You can change your KubisModules address by using the <a href='/books/user'>KubisModules account editing service.</a>. Your KubisModules email address will not be displayed to other users.
    </li>
    <li>Your profile address field is an optional field that you can use to show an address as a part of the contact details in your online profile. You can edit your online profile information using the profile button in the toolbar at the top of the page. Please consider the implications of publishing personal information on the internet before entering profile information or configuring access controls. </a>
    </li>
</ul>
</p>
```

Line 88

(Additional description text to explain multiple email address fields)

From:

```
'name' => __gettext("Your email address "),
```

To:

```
'name' => __gettext("Your KubiSpace email address "),
```

6.25 Change to the Vanilla Forums page template to incorporate Kubis Style definitions (CSS)

Changes made to {elgg-root}/mod/vanillaforum/vanilla/appg/init_vanilla.php

Changes made to incorporate Kubis styling into vanilla forums

Lines 83 & 84

From:

```
$Head->AddStyleSheet($Context->StyleUrl.'vanilla.css', 'screen', 100, '');
$Head->AddStyleSheet($Context->StyleUrl.'vanilla.print.css', 'print', 101, '');
```

To:

```
// $Head->AddStyleSheet($Context->StyleUrl.'vanilla.css', 'screen', 100, '');
// $Head->AddStyleSheet($Context->StyleUrl.'vanilla.print.css', 'print', 101,
'');
$Head-
>AddStyleSheet('/spaces/mod/vanillaforum/vanilla/themes/vanilla/styles/default/
vanilla.css', 'screen', 100, '');
$Head-
>AddStyleSheet('/spaces/mod/vanillaforum/vanilla/themes/vanilla/styles/default/
vanilla.print.css', 'print', 101, '');
```

6.26 Change to the Vanilla Forums footer

Change made (added) to include hidden frames in the Vanilla forums footer, change is required in case users login via a vanilla forums footer page when first visiting the system with a new machine. The hidden frames mean a users browser will summon the initial cookies that must be present on a users system before they can sign on

Changes made to {elgg-root}/mod/vanillaforum/vanilla/themes/foot.php

Lines 7-10

```
</div>
<div style="visibility:hidden">
<iframe NAME="iframe1" WIDTH="40" HEIGHT="40"></iframe>
<iframe NAME="iframe2" WIDTH="40" HEIGHT="40"></iframe>
</div>;
```

6.27 Changes to the Vanilla Forums header

Changes made to support Kubis themes and inclusion of the navigation bar in vanilla forum pages

Changes made to {elgg-root}/mod/vanillaforum/vanilla/themes/head.php

Lines 7-9

From:

```
<title>'.'.$this->Context->Configuration['APPLICATION_TITLE'].' - '.$this-
>Context->PageTitle.'</title>
<link rel="shortcut icon" href="'. $this->Context->StyleUrl.'favicon.ico' />;
```

To:

```
<!-- <title>'.'.$this->Context->Configuration['APPLICATION_TITLE'].' - '.$this-
>Context->PageTitle.'</title> -->
<title>KubisForums - '.$this->Context->PageTitle.'</title>
```

```
<link rel="shortcut icon" href="../../../../favicon.ico" />;
```

Lines 19 & 20 (additons)

```
<link href="http://www.kubis.org.uk/spaces/_templates/css/Default_Template"
rel="stylesheet" type="text/css" />

<!--<link
href="http://www.kubis.org.uk/spaces/mod/template/templates/Default_Template/cs
s" rel="stylesheet" type="text/css" />-->
```

Lines 43 -125 additions

To incorporate login/out features and to include KubiSpace and Kingston Branding/themes on forum pages

```
<!--start of added by ben-->
<script language="Javascript">
<!--
function Action1()
{
    document.Form1.action = "http://www.kubis.org.uk/spaces/login/index.php"
    document.Form1.submit();          // Submit the page
    return true;
}

function Action2()
{
    document.Form1.action = "http://www.kubis.org.uk/courses/login/index.php"
    document.Form1.target = "iframe1";    // Open in a hidden frame
    document.Form1.submit();          // Submit the page
    return true;
}

function Action3()
{
    document.Form2.pass.value =document.Form1.password.value ;
    document.Form2.name.value =document.Form1.username.value ;
    document.Form2.action = "http://www.kubis.org.uk/books/content/welcome?destination=book"
    document.Form2.target = "iframe2";    // Open in a hidden frame
    document.Form2.submit();          // Submit the page
    return true;
}

function kubisLogout1() {
    document.FormA.action = "http://www.kubis.org.uk/spaces/login/logout.php";
    document.FormA.submit();          // Submit the page
    return true;
}

function kubisLogout2() {
    document.FormA.action = "http://www.kubis.org.uk/books/logout";
    document.FormA.target = "iframe1";    // Open in a hidden frame
    document.FormA.submit();          // Submit the page
```

```

return true;
}
function kubisLogout3() {
    document.FormA.action = "http://www.kubis.org.uk/courses/login/logout.php";
    document.FormA.target = "iframe2";    // Open in a hidden frame
    document.FormA.submit();            // Submit the page
    return true;
}
-->
</script>
<!-- end added by ben -->
<body' . $BodyId.' ' . $this->Context->BodyAttributes.' ><script
src="/spaces/mod/toolbar/js.php"></script>
<div id="container"><!-- open container which wraps the header, maincontent and sidebar -->
    <div id="header"><!-- open div header -->
        <div id="logo"><!-- open div logo -->
            <h1><a href="/spaces/mod/vanillaforum/vanilla/">KubisForum</a></h1>
            <h2>Building Online Learning Communities</h2>
        </div><!-- close div logo -->
            <!--Start Kingston University Logo-->
                <h3><a href="http://www.kingston.ac.uk" title="Visit Kingston University"></a></h3>
            <!--End Kingston University Logo-->
        </div id="search-header">
            <!-- open search-header div -->
            <!-- <form id="searchform" action="http://www.kubis.org.uk/spaces/search/index.php"
method="get">
                <p>
                    <input type="text" size="20" name="tag" value="Search" onclick="if
(this.value=="Search") { this.value="" }" />
                    <select name="user_type">
                        <option value=""> -- all --
                    </option>
                    <option value="person"> People
                    </option>
                    <option value="community"> Communities
                    </option>
                </select>
                <input type="submit" value="Go" />
                <span><br /> [
                    <a href="http://www.kubis.org.uk/spaces/mod/browser/">
                        <b>Browse</b></a> ] [
                    <a href="http://www.kubis.org.uk/spaces/search/tags.php">
                        <b>Tag cloud</b></a> ]
                </span>

```

```

        </p>
    </form>-->
</div>
<!-- close search-header div -->
</div><!-- close div header -->
';

```

6.28 Changes to forum menus to remove confusing data

Changes made to {elgg-root}/mod/vanillaforum/vanilla/themes/menu.php , code disabled by wrapping in comment block

Line 4-12

```

/*echo '<div id="Session">';
    if ($this->Context->Session->UserID > 0) {
        echo str_replace('//1',
            $this->Context->Session->User->Name,
            $this->Context->GetDefinition('SignedInAsX')).' (<a href="'. $this->Context->Configuration['SIGNOUT_URL'].'">'. $this->Context->GetDefinition('SignOut').'</a>');
    } else {
        echo $this->Context->GetDefinition('NotSignedIn').' (<a href="'. AppendUrlParameters($this->Context->Configuration['SIGNIN_URL'], 'ReturnUrl='. GetRequestUri()).'">'. $this->Context->GetDefinition('SignIn').'</a>');
    }
    echo '</div>';*/

```

6.29 Kubis Style declarations added to forum pages

Changes made to {elgg-root}/mod/vanillaforum/vanilla/themes/vanilla/styles/default/vanilla.css

Removes old background image

Line 99

From:

```
background: url(waves.blue.gif) repeat-x left top #E5EAF6;
```

To:

```
background: #fff; /*url(waves.blue.gif) repeat-x left top #E5EAF6;*/
```

6.30 Restrict access to folio history

Changes made to {elgg-root}/mod/folio/html/history.php, alters version tracking permissions so that only logged in users can view version histories

Line 54

added

```
if (isloggedin()) {
```

Closing brace at line 94

supporting change in {elgg-root}/mod/folio/lib.php

Line 93

From

```
if( $page->format_ident <> 2 ) {
```

To:

```
if( $page->format_ident <> 2 AND isloggedin() ) {
```

6.31 Added editing features to the WYSIWYG editor used by Folio (plug-in)

Added the Table plugin to the TinyMCE editor used by the Folio plug-in - the default features of the editor are a little restricted

Changes made to {elgg-root}/mod/folio/js/edit.js.php

Changed

Line 230

From:

```
plugins :
'spellchecker,emotions,contextmenu,preview,style,searchreplace,safari',
```

To:

```
plugins :
'spellchecker,emotions,table,contextmenu,preview,style,searchreplace,safari',
```

Added table and formatting controls to the editor toolbar

Line 235-236

From:

```
theme_advanced_buttons2 : "preview,styleprops,search,replace",
theme_advanced_buttons3 : "",
```

To:

```
theme_advanced_buttons2 : "preview,styleprops,search,replace,|,tablecontrols",
theme_advanced_buttons3 :
"formatselect,fontselect,fontsizeselect,forecolor,backcolor,|,hr,removeformat,|
,sub,sup,"
```

6.32 Adjustment to navigation bar entry for the folio feature

Reduces the entry “Your Pages” to “Wiki” to save space in the navigation bar

Changes to the file {elgg-root}/mod/folio/lib.php

The following command:

```
diff -rwb elgg-0.9.1/mod/folio/lib.php spaces/mod/folio/lib.php
```

Creates the following output:

```
142c142
<          'html' => '<li><a href="'. $CFG->wwwroot . $currentusername . '/page/"
class="selected">Your Pages</a></li>');
---
>          'html' => '<li><a href="'. $CFG->wwwroot . $currentusername . '/page/"
class="selected">Wiki</a></li>');
146c146
<          'html' => '<li><a href="'. $CFG->wwwroot . $currentusername . '/page/">Your
Pages</a></li>');
---
>          'html' => '<li><a href="'. $CFG->wwwroot . $currentusername .
'/page/">Wiki</a></li>');
152c152
<          'html' => '<li><a href="'. $CFG->wwwroot . $currentusername . '/page/">Your
Pages</a></li>');
---
>          'html' => '<li><a href="'. $CFG->wwwroot . $currentusername .
'/page/">Wiki</a></li>');
```

6.33 Disable the Folio Activity entry in the navigation bar

Changes to the file {elgg-root}/mod/folio/lib.php, change made by commenting out the section from:

Line 154 to 172

```
/*
// Add Activity Link (as first option)
if (isloggedin() & defined('context') ) {
    if ( context == "feeds" & $page_owner == $currentuserid ) {
        // Show selected
        array_splice( $PAGE->menu, 0,0, array( array( 'name' => 'folio_feeds',
            'html' => '<li><a href="'. $CFG->wwwroot . 'activity/fac/' . $currentusername .
'/summary/all/all/1" class="selected">Your Activity</a></li>')));
    } else {
        // Show main menu unselected
        'html' => '<li><a href="'. $CFG->wwwroot . 'activity/fac/' . $currentusername .
'/summary/all/all/1" >Your Activity</a></li>')));

    }
} elseif ( isloggedin() ) {
    // Some pages don't have context defined.
    // Show link to activity.
    array_splice( $PAGE->menu, 0, 0, array( array( 'name' => 'folio_feeds',
        'html' => '<li><a href="'. $CFG->wwwroot . 'activity/fac/' . $currentusername .
'/summary/all/all/1">Your Activity</a></li>')));
}
*/
```

6.34 Correction to the Folio editing display

Change made to fix content block handling (bug) in the folio editing display (in mozilla browsers)

Changes made to the file {elgg-root}/mod/folio/object/decoration.php . Addition at:

Line 178

```
<div style="clear:both;"></div>
```

6.35 Text change for folio user instructions to improve usability

Change made to the file {elgg-root}/mod/folio/object/page.php at:

Lines 687-691

From:

```
$oContents = __gettext('Order content by clicking and dragging on the paperclip,
add items through the sidebar, ' .
' and remove them with the red button.');
```

To:

```
$oContents = __gettext('Click in the text area to activate the editor. ' .
'Page content ordering can be changed by clicking and dragging the paperclip,
page sections ' .
'can be deleted by using the red button. ' .
'Please note the ordering and deletion functions are only applicable on pages
that have had ' .
'additional sections added using the controls in the sidebar.');
```

6.36 Changes made to Change Blog labels to Learning Journal

Change made to {elgg-root}/mod/folio/sidebar.php at:

Line 97

From

```
$text = __gettext("Blog");
```

To

```
$text = __gettext("Learning Journal");
```

Line 99

From

```
$text = __gettext("Community Blog");
```

To

```
$text = __gettext("Community Journal");
```

6.37 Template files added to folio template collection

Not necessary, due for removal or rewrite pending confirmation that they are not longer in use

{elgg-root}/mod/folio/template/Student Template/Learning Contract.html

{elgg-root}/mod/folio/template/Student Template/Learning Contract Section1.html

{elgg-root}/mod/folio/template/Student Template/Learning Contract Section2.html

{elgg-root}/mod/folio/template/Student Template/Learning Contract Section3.html

{elgg-root}/mod/folio/template/Student Template/Learning Contract Section4.html

7 Appendix 2 Drupal Customisations

7.1 Main Config File

The main config file for a drupal installation stores database access details and is stored at
{drupal-root}/sites/default/settings.php

7.2 Themes

Drupal themes make use of a page layout description and an accompanying CSS file. The Kubis theme is based on the theme called Barron and adjusted to present the Kubis look and feel. Drupal users are advised to store themes in the directory {drupal-root}/sites/all/themes/ as this makes them easier to maintain during upgrades. The Versions used to define the appearance of the Drupal installation are stored at:

{drupal-root}/sites/all/themes/KuBooks/page.tpl.php

and

{drupal-root}/sites/all/themes/KuBooks/style.css

7.3 Additional Images

{drupal-root}/sites/all/themes/KuBooks/images: blockquote.png

{drupal-root}/sites/all/themes/KuBooks/images: comments_bk.gif

{drupal-root}/sites/all/themes/KuBooks/images: footer-bg.png

{drupal-root}/sites/all/themes/KuBooks/images: footer.gif

{drupal-root}/sites/all/themes/KuBooks/images: header-bg.gif

{drupal-root}/sites/all/themes/KuBooks/images: infoholder_bg.gif

{drupal-root}/sites/all/themes/KuBooks/images: kubisactivity.gif

{drupal-root}/sites/all/themes/KuBooks/images: kubisassignment.gif

{drupal-root}/sites/all/themes/KuBooks/images: kubisresource.gif

{drupal-root}/sites/all/themes/KuBooks/images: search_icon.gif

{drupal-root}/sites/all/themes/KuBooks/images: side-back.gif

{drupal-root}/sites/all/themes/KuBooks/images: side-back.jpg

{drupal-root}/sites/all/themes/KuBooks/images: toolbar-bg.gif

{drupal-root}/sites/all/themes/KuBooks/images: wrap.gif

7.4 Adjusted configuration of the WYSIWYG editor

Include more buttons on the editor toolbar and move the buttons around to fit inside three rows of buttons

Changes made to the file {drupal-root}/sites/all/modules/tinymce/plugin_reg.php

Line 28

From

```
$plugins['advimage']['extended_valid_elements'] = array('img[class|src|alt|title|hspace|vspace|width|height|align|onmouseover|onmouseout|name]');
```

To

```
$plugins['advimage']['extended_valid_elements'] = array('img[class|src|alt|title|hspace|vspace|width|height|align|onmouseover|onmouseout|name|style]');
```

Lines 39-40

From:

```
$plugins['default']['theme_advanced_buttons1'] = array('bold', 'italic', 'underline', 'strikethrough', 'justifyleft', 'justifycenter', 'justifyright', 'justifyfull', 'bullist', 'numlist', 'outdent', 'indent', 'undo', 'redo', 'link', 'unlink', 'anchor');
```

```
$plugins['default']['theme_advanced_buttons2'] = array('image', 'cleanup', 'forecolor', 'backcolor', 'sup', 'sub', 'code', 'hr');
```

To:

```
$plugins['default']['theme_advanced_buttons1'] = array('bold', 'italic', 'underline', 'strikethrough', 'justifyleft', 'justifycenter', 'justifyright', 'justifyfull', 'bullist', 'numlist', 'outdent', 'indent', 'undo', 'redo');
```

```
$plugins['default']['theme_advanced_buttons2'] = array('link', 'unlink', 'anchor', 'image', 'cleanup', 'forecolor', 'backcolor', 'sup', 'sub', 'code', 'hr');
```

Line 44

From

```
$plugins['directionality']['theme_advanced_buttons3'] = array('ltr', 'rtl');
```

To:

```
$plugins['directionality']['theme_advanced_buttons2'] = array('ltr', 'rtl');
```

Line 47

From

```
$plugins['emotions']['theme_advanced_buttons3'] = array('emotions');
```

To:

```
$plugins['emotions']['theme_advanced_buttons2'] = array('emotions');
```

line 53

From:

```
$plugins['flash']['extended_valid_elements'] = array('img[class|src|alt|title|hspace|vspace|width|height|align|onmouseover|onmouseout|name|obj|param|embed]');
```

To:

```
$plugins['flash']['extended_valid_elements'] = array('img[class|src|alt|title|hspace|vspace|width|height|align|onmouseover|onmouseout|name|style|obj|param|
```

```
embed] ');
```

Line 61

From:

```
$plugins['fullscreen']['theme_advanced_buttons3'] = array('fullscreen');
```

To:

```
$plugins['fullscreen']['theme_advanced_buttons2'] = array('fullscreen');
```

Line 64

From:

```
$plugins['iespell']['theme_advanced_buttons3'] = array('iespell');
```

To:

```
$plugins['iespell']['theme_advanced_buttons2'] = array('iespell');
```

7.5 Change to the file manager Configuration

Setting file directory paths and allowed mime types for the file manager that gets integrated into the TinyMCE tool dialogues.

Changes made to the file:

```
{drupal-  
root}/sites/all/modules/tinymce/tinymce/jscripts/tiny_mce/filemanager/connectors/php/config.php
```

Line 27

From:

```
< $Config['UserFilesPath'] = '/UserFiles/' ;
```

To:

```
$Config['UserFilesPath'] = '/books/files/' ;
```

Line 33

From:

```
$Config['UserFilesAbsolutePath'] = '' ;
```

To:

```
$Config['UserFilesAbsolutePath'] = '/var/www/html/books/files/' ;
```

Line 35

From:

```
$Config['AllowedExtensions']['File'] = array() ;
```

To:

```
$Config['AllowedExtensions']['File'] =  
array('doc', 'docx', 'xls', 'pdf', 'tiff', 'xlsx', 'ppt', 'zip', 'pptx', 'mp3', 'avi') ;
```

7.6 Configuring the editor theme

Change made to file

{drupal-root}/books/sites/all/modules/tinymce/tinymce/jscripts/tiny_mce/tiny_mce_src.js

Lines 5699-5700

From

```
theme : 'simple',
skin  : 'default',
```

To:

```
theme : 'advanced',
skin  : 'o2k7',
```

7.7 Integrating the file manager functions

Changes made according to the instructions included for enabling the FCKfilemanager integration within the TinyMCE editor

Changes made to the file {drupal-root}/sites/all/modules/tinymce/tinymce.module

Line 122

From :

```
$tinymce_settings
```

To:

```
$tinymce_settings,
class_filter : function(cls, rule) {
  // Block the someClass

  if (cls == '.description')
    return false;

  if (cls == '.messages')
    return false;

  if (cls == '.preview')
    return false;

  if (cls == '.form-checkboxes')
    return false;

  if (cls == '.form-radios')
    return false;

  if (cls == '.form-button')
    return false;

  if (cls == '.form-submit')
    return false;

  if (cls == '.box')
    return false;
```

```
if (cls == '.block-region')
    return false;
if (cls == '.node')
    return false;
if (cls == '.picture')
    return false;
if (cls == '.new')
    return false;
if (cls == '.terms')
    return false;
if (cls == '.sticky')
    return false;
if (cls == '.comment')
    return false;
if (cls == '.indented')
    return false;
if (cls == '.feed-icon')
    return false;
if (cls == '.menu')
    return false;
if (cls == '.pageTitle')
    return false;
if (cls == '.mission')
    return false;
if (cls == '.nodeTitle')
    return false;
if (cls == '.submitted')
    return false;
if (cls == '.nodeLinks')
    return false;
if (cls == '.taxonomy')
    return false;
if (cls == '.user-signature')
    return false;
if (cls == '.form-item')
    return false;

// Swap the otherClass
//     if (cls == 'otherClass')
//         return 'someOtherClass';

// Skip classes that are inside id like #id .myclass
//     if (/^#.*./.test(rule))
//         return false;
```

```
// Pass though the rest
return cls;
},

file_browser_callback : "fileBrowserCallBack"
```

Added the following function at

line 124 (202-228)

```
function fileBrowserCallBack(field_name, url, type, win) {
    var connector = "../../filemanager/browser.html?Connector=connectors/php/connector.php";
    var enableAutoTypeSelection = true;

    var cType;
    tinyfck_field = field_name;
    tinyfck = win;

    switch (type) {
        case "image":
            cType = "Image";
            break;
        case "flash":
            cType = "Flash";
            break;
        case "file":
            cType = "File";
            break;
    }

    if (enableAutoTypeSelection && cType) {
        connector += "&Type=" + cType;
    }

    window.open(connector, "tinyfck", "modal,width=600,height=400");
}
```

8 Appendix 3 Moodle Customisation

With the exception of 2 modifications which alter moodle behaviour when users logout or enrol on new courses the only modification of Moodle is the use of a customised theme.

8.1 Disable email notification for course enrolment

Email command commented out to prevent unneeded notification emails

Change made to file {moodle-root}/enrol/flatfile/enrol.php

Lines 261-262

From:

```
email_to_user($user, $teacher, get_string("enrolmentnew", '', $course-
>shortname),
                get_string('welcometocoursetext', '', $a));
```

To:

```
//email_to_user($user, $teacher, get_string("enrolmentnew", '', $course-
>shortname),
//                get_string('welcometocoursetext', '', $a));
```

8.2 Disable Logout confirmation

Change to file {moodle-root}/login/logout.php

Lines 16-19

From:

```
else if (!confirm_sesskey($sesskey)) {
    print_header($SITE->fullname, $SITE->fullname, 'home');
    notice_yesno(get_string('logoutconfirm'), 'logout.php', $CFG-
>wwwroot.'//', array('sesskey'=>sesskey()), null, 'post', 'get');
    print_footer();
    die;
```

To:

```
/*
    else if (!confirm_sesskey($sesskey)) {
        print_header($SITE->fullname, $SITE->fullname, 'home');
        notice_yesno(get_string('logoutconfirm'), 'logout.php', $CFG-
>wwwroot.'//', array('sesskey'=>sesskey()), null, 'post', 'get');
        print_footer();
        die;
    }
*/
```

