May 4, 2015

UMMA: THE EXCHANGE
Sitemap and wireframe narrative

SITEMAP
As illustrated in the accompanying document sitemap.pdf, the Exchange will be composed of the following primary site sections:

- HOMEPAGE
  As the main face of the Exchange the homepage must engage users with curated featured content, invite users to explore the depth of Learning Collections the Exchange has to offer and encourage users to create their own content. To accomplish this the homepage will:
    - Provide context with welcome text
    - Feature seed content created and curated by UMMA staff
    - Encourage exploration of Exchange content through free text search tools and structured browse facets
    - Allow users to login and register
    - Show logged in users an overview of their collections and resources and link them to a comprehensive dashboard

- FEATURED CONTENT
  A section devoted to highlighting note worthy Learning Collection and Resources organized by thematic topics

- USER ACCESS
  A series of screens for user access will be linked to prominently from the home page and main site navigation. This includes:
    - Login form
    - Registration form with tools for self identifying as part of defined audiences (for example: UMMA staff, faculty or students)

- Forgot/Reset password tool

- DASHBOARD
  The user dashboard is a centralized location for logged in users to manage their existing Learning Collections and Resources and create new content. The Dashboard will be described in more detail on the following section *Content Management*.

- EDITING FORMS
  From the dashboard, users can access forms for comprehensive management of Learning Collection and Resource records.

- SEARCH RESULTS
  Learning Collections and Resources will be searched and browsed for from the homepage and site-wide navigation. Search results are designed to be filtered by various additional parameters such as:
    - Author type
    - Tags/ controlled vocabulary terms
    - Media source/type

- DETAIL PAGES
  Learning Collections and Resources published by users for public display or privately shared with other users in the community will be viewable from search results and users' dashboards. Detail pages are discussed in more detail in the next section.

CONTENT MANAGEMENT
A series of tools will be designed and developed to allow users to create and manage content within The Exchange. Some of these tools have been wireframed in the attached document ExchangeCMWireframes.pdf and are described in detail here.

DASHBOARD
At the core of The Exchange's content management tools is the user Dashboard (See page 1 of ExchangeCMWireframes.pdf). The Dashboard will:
- Display a list of Learning Collections and Resources the user has access to. This includes content both created by and shared with the user. A subset of core tools will be available directly from the dashboard along with a link to Collection and Resource full editing forms where comprehensive tools are available.
- Permit creation of new Learning Collections and Resources
- Allow users to create and manage lists of new and existing users with User Groups. User Groups streamline the process of sharing

content with discrete groups of individuals such as classes, educators or docents.
- Include a User Profile summary and a means for users to update their account information such as email, password and keywords describing their community role within The Exchange.
- List the Learning Collections and Resources bookmarked or favorited by the user
- Provide an Activity Feed detailing community engagement with the user's Collections/Resources including comments, forks, shares, etc.

CONTENT CREATION

There are multiple ways users can create content. Once a user has established a Learning Collection, they can add Resources directly to the Collection from the Dashboard or from Collection/Resource forms. When creating new content outside the context of an existing Collection, users first create a Resource (See page 2 ExchangeCMWireframes.pdf). After the Resource is saved, the user will be prompted to optionally create a Learning Collection for the Resource, or add it to an existing Collection (See page 3 ExchangeCMWireframes.pdf). Of course, users can always choose to move Resources and Collections later to reorganize their content or create nested Collections of content.

LEARNING COLLECTION/ RESOURCE FORMS

Learning Collections and Resources share a variety of data and as a result their forms have much in common. The Learning Collection form (See page 4 ExchangeCMWireframes.pdf) allows users to describe the collection and organize its Resources. Users can create new Resources or Sub-Collections, include Resources or Collections published by other users, as well as drag and drop existing Resources into order and preview how the Learning Collection will look once published.

In an attempt to keep Collection and Resource forms approachable to users, secondary content has been organized within tabs:

- *Access*
  Grant read-only or write access to individual users or User Groups
- *Formatting/Preferences*
  Control how your Collection or Resource is displayed functions.
- *Related*
  Add links and related Learning Collections or Resources to your collection
- *Tags*
  Add free form and controlled vocabulary tags.
- *User Contributed*
  Evaluate comments and see who has forked your Collection

- *Media (Resource form only)*
  Link media to a resource
- *Responses (Resource form only)*
  This tab appears if the option to allow users to post response Resources has been selected. Response Resources are listed here with options to order and approve for display.

The Resource form allows users to describe, format and add media to their Resource (See pages 5-7 of ExchangeCMWireframes.pdf). Adding media to Resources is a multi step process. First the user identifies from where they are linking media. Options include searching for assets in UMMA's collection, linking to content from various sources on the internet or uploading original content from their desktop. Once media is found or uploaded a preview is generated and additional information such as caption and copyright can be added, or edited if populated from the source of the media (See page 6 of ExchangeCMWireframes.pdf).

The Resource form also has a tab containing various formatting and preference options (See page 7 of ExchangeCMWireframes.pdf). These options are intended to change based upon the type and quantity of media and body text associated with the Resource. Users are presented with a manageable number of display options, allowing them to control the visual layout of their Resource without overwhelming them with decisions. It also optionally postpones design and presentation choices to the end of the creation process allowing users' ideas to evolve more organically. For example if a Resource has only 2 media, they could be given the options to stack the media vertically or display the media side-by-side for image comparison. Resources with more than 2 media would have options for displaying media in a slideshow, as thumbnail or embedded within the flow body text. In addition to formatting options, this tab will provide a place for other preferences to be defined. For example users may choose to allow Resources to be posted in response to their resource, essentially making their resource a "Challenge Question".

Resources' body text will be entered in a rich text editor allowing users to easily control the formatting of their Resource text. A tag system will be developed to allow media to be embedded within body text.

Additionally, the relationships between and organization of Learning Collections and Resources will be apparent through navigation elements at all times, promoting ease of navigation between collections and resources (See page 8 of ExchangeCMWireframes.pdf).

PRESENTATION OF LEARNING COLLECTIONS/ RESOURCES
Once Learning Collections and Resources have been published to the Exchange or shared with users and user groups for private viewing, they will be viewable as pages on the Exchange (See ExchangeDetailPageWireframes.pdf). Both Collection and Resource pages have tools for forking, sharing via email and/or social media, commenting, bookmarking and reporting inappropriate media. They also display related links, related Learning Collections/Resources, tags and descriptive information and provide for navigation between Resources within Learning Collections.

As described in the previous section, users are able to select from a set of options to format their Resources. For example Resources with multiple media associated with it can display media as a slideshow (See page 4 of ExchangeDetailPageWireframes.pdf), a grid of thumbnails (See page 5 of ExchangeDetailPageWireframes.pdf) or embedded in the body text of the Resource (See page 6 of ExchangeDetailPageWireframes.pdf). This will be accomplished through a template system that can be added to over time as additional formatting options are required.

Challenge Questions are Resources that prompt users to post Resources in response to a posed question or assignment. Although these Resources would have all the same descriptive and related data other Resources can have, they also display the Resources users have posted (See page 7 of ExchangeDetailPageWireframes.pdf).