

Embedding A Digital Repository within the Texas A&M University Library Web Services

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Libraries

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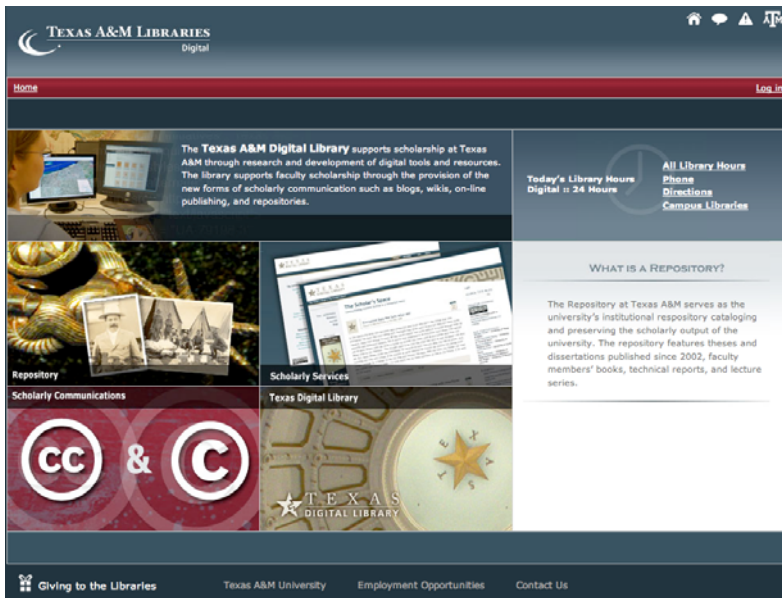


Embedding A Repository

The appearance (externally imposed)

+

The data (in need of presentation)



```
<document version="1.1">
  <body>
    <div rend="primary" n="item-view" id="aspect.artifactbrowser.ItemViewer.div.item-view">
      <head>Intention is commitment with expectation</head>
    </div>
    <cp rend="item-view-toggle item-view-toggle-top">
      <xref target="/handle/1969.1/2313/show=full">
        <i18n:text catalogue="default">xmlui.ArtifactBrowser.ItemViewer.show_full</i18n:text>
      </xref>
    </cp>
    <referenceSet types="summaryView" n="collection-viewer" id="aspect.artifactbrowser.ItemViewer.referenceSet.collection-viewer">
      <reference repositoryID="1969.1" type="DSpace Item" uri="/metadata/handle/1969.1/2313/mets.xml">
        <referenceSet rend="hierarchy" type="detailList">
          <item>
            <i18n:text catalogue="default">
              xmlui.ArtifactBrowser.ItemViewer.head_parent_collections
            </i18n:text>
            <reference repositoryID="1969.1" type="DSpace Collection" uri="/metadata/handle/1969.1/2/mets.xml">
              <referenceSet>
                <referenceSet>
                  <reference>
                    <cp rend="item-view-toggle item-view-toggle-bottom">
                      <xref target="/handle/1969.1/2313/show=full">
                        <i18n:text catalogue="default">xmlui.ArtifactBrowser.ItemViewer.show_full</i18n:text>
                      </xref>
                    </cp>
                  </div>
                </referenceSet>
              </referenceSet>
            </item>
          </referenceSet>
        </referenceSet>
      </referenceSet>
    </div>
    <options>
      <list n="browse" id="aspect.artifactbrowser.Navigation.list.browse">
        <head>
          <i18n:text catalogue="default">xmlui.ArtifactBrowser.Navigation.head_browse</i18n:text>
        </head>
        <list n="global" id="aspect.artifactbrowser.Navigation.list.global">
          <item>
            <i18n:text catalogue="default">
              xmlui.ArtifactBrowser.Navigation.head_all_of_dspace
            </i18n:text>
          </item>
          <item>
            <xref target="/community-list">
              <i18n:text catalogue="default">
                xmlui.ArtifactBrowser.Navigation.communities_and_collections
              </i18n:text>
            </xref>
          </item>
          <item>
            <xref target="/browse?type=dateissued">
              <i18n:text catalogue="default">xmlui.ArtifactBrowser.Navigation.browse_dateissued</i18n:text>
            </xref>
          </item>
          <item>
            <xref target="/browse?type=author">
              <i18n:text catalogue="default">xmlui.ArtifactBrowser.Navigation.browse_author</i18n:text>
            </xref>
          </item>
        </list>
      </options>
    </body>
  </document>
```

Our Approach: Manakin Themes



An XML based frontend for DSpace

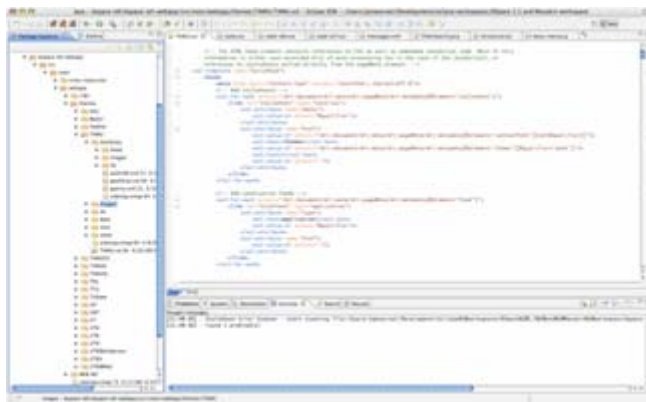
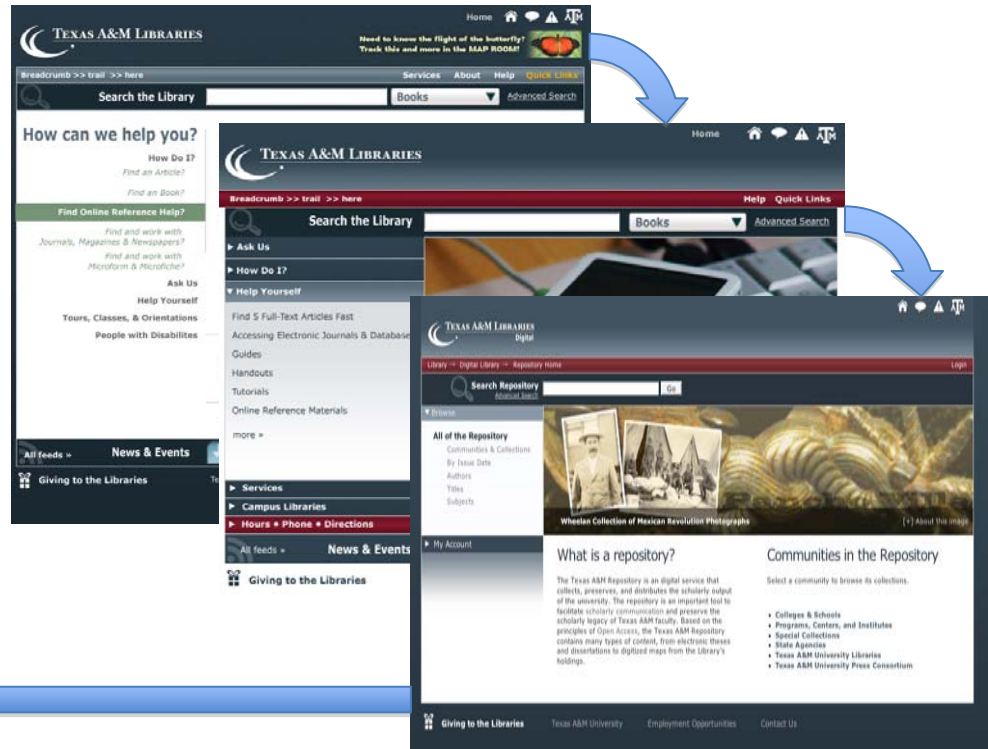
Modular, interoperable, and customizable

Benefits of Manakin

- Modularity
 - Aspects
 - Themes
 - Specificity of application
- Reusability/Interoperability
- Leverage of established web tech
- Customizability

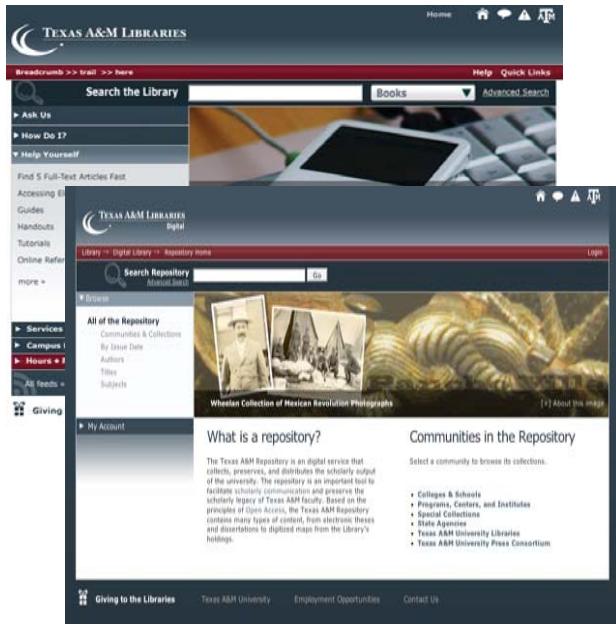
Development of Repository Theme

Iterative Design



Subsequent

Design Process



TAMU branding



Photoshop mockups

Iterative Feedback

HTML+CSS mockups



Manakin Implementation...

Implementation: Theme Coding

XSLT

CSS

Javascript

```
<xsl:template name="BuildHead">
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
    <!-- Add stylesheets -->
    <xsl:for-each select="/dr:document/dr:meta/dr:pageMeta/dr:metaData[Element='stylesheet']">
      <link rel="stylesheet" type="text/css">
        <xsl:attribute name="media">
          <xsl:value-of select="//Qualifier"/>
        </xsl:attribute>
        <xsl:attribute name="href">
          <xsl:value-of select="/dr:document/dr:meta/dr:pageMeta/dr:metaData[Element='contextPath']/[not(Qualifier)]"/>
        </xsl:attribute>
        <xsl:attribute name="title">
          <xsl:value-of select="/dr:document/dr:meta/dr:pageMeta/dr:metaData[Element='title']/Qualifier[not(=)]"/>
        </xsl:attribute>
      </link>
    </xsl:for-each>
    <!-- Add syndication feeds -->
    <xsl:for-each select="/dr:document/dr:meta/dr:pageMeta/dr:metaData[Element='feed']">
      <link rel="alternate" type="application">
        <xsl:attribute name="type">
          <xsl:value-of select="//Qualifier"/>
        </xsl:attribute>
        <xsl:attribute name="href">
          <xsl:value-of select="//Qualifier"/>
        </xsl:attribute>
      </link>
    </xsl:for-each>
  </head>
</xsl:template>
```

```
.....
style.css: page structure, background colors & images, etc.
Jeremy Torpley
James Creel
Adam Mikol
7/24/2007
.....

body {
  font-family: Verdana, Lucida, Helvetica, Arial, sans-serif;
  font-size: 1em;
  font-style: normal;
  text-align: center;
  background: #152932 url('../images/background.jpg') repeat-x 0% 0%;
  margin: 0 20px;
  padding: 0;
  text-align: left;
  width: 1000px;
}

#ds-header {
  display: block;
  padding: 0;
  margin: 0;
  height: 116px;
}
```

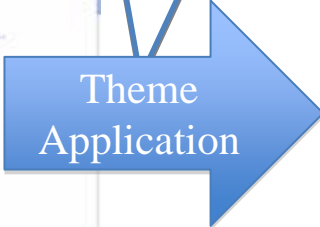
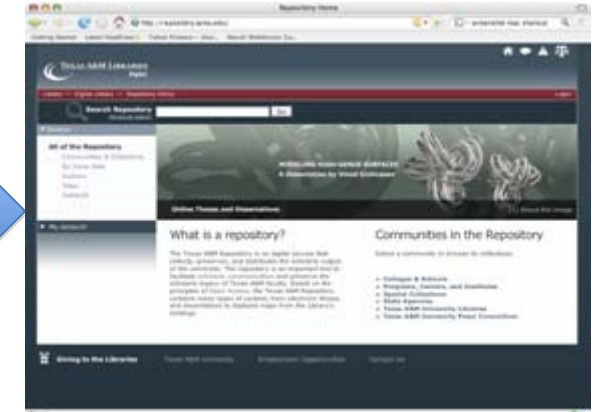
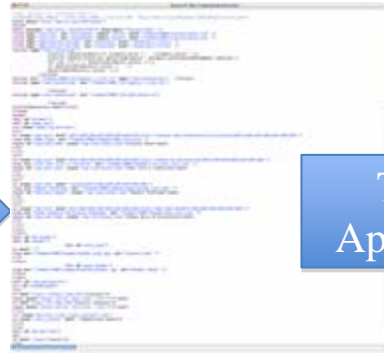
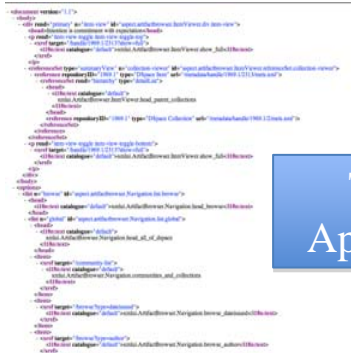
```
//opens "Browse" menu option by default
$("#h3#menu_heading_0").removeClass("closed");
$("#h3#menu_heading_0").addClass("open");
$("#h3#menu_heading_0").next().show();
$("#h3#menu_heading_0").find("img.menu_nav_icon_open").show();
$("#h3#menu_heading_0").find("img.menu_nav_icon_closed").hide();

//The navigation hover text contextual feedback at the top of the page
$("#a_top_icon").hover(function() {
  $(this).find("span").each(function() {
    $(this).addClass("top-icon-text-shown");
  });
}, function() {
  $(this).find("span").each(function() {
    $(this).removeClass("top-icon-text-shown");
  });
});
```

XML data

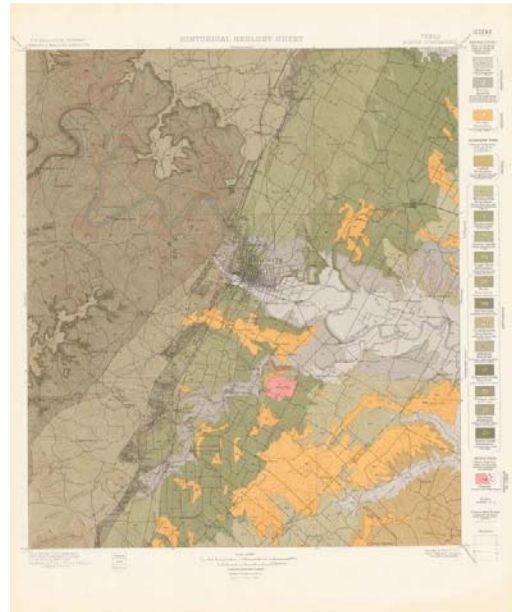
HTML

Rendered, Interactive Page



A Diversity of Content

ETDs



Geologic Folios

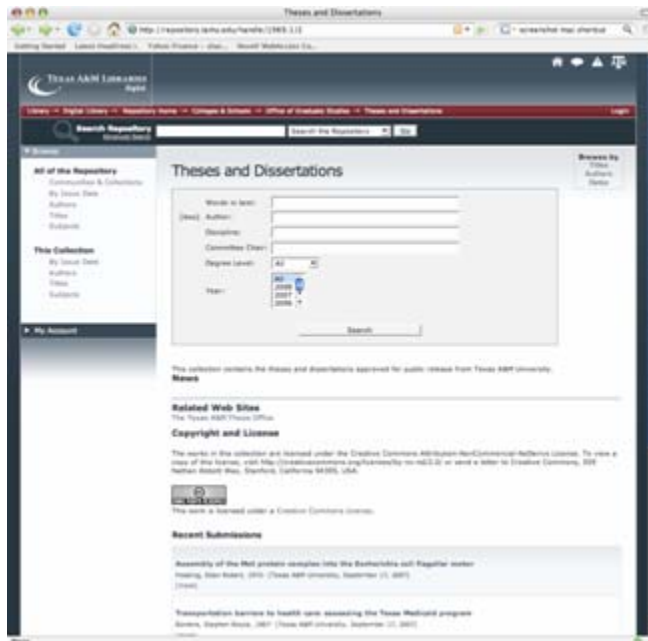


Historic Photographs

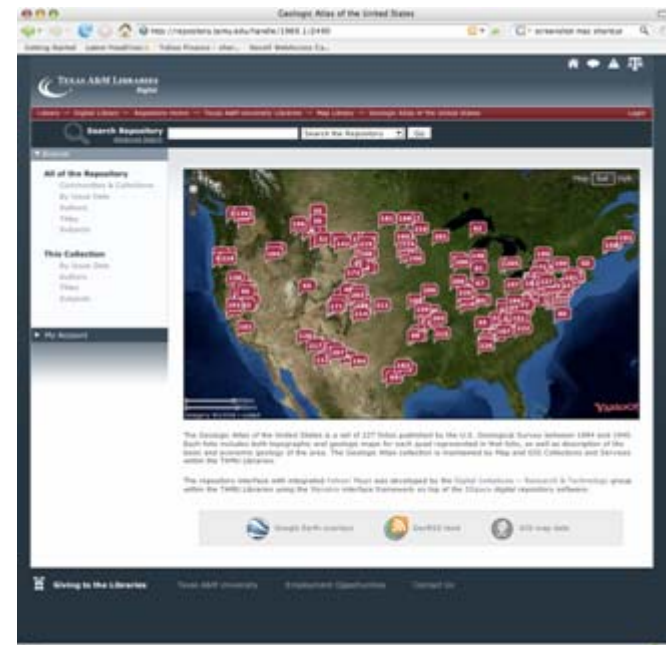
Diversity of Interfaces

- Specify scope of theme application
- Take advantage of specialized collection metadata

ETDs



Geologic Atlas of the U.S.



More Information

- TAMU Libraries - <http://library.tamu.edu>
- TAMU Digital Library - <http://dl.tamu.edu>
- Manakin -
<http://di.tamu.edu/projects/xmlui/manakin/>

