Developer Notes for North Country Community College

Introduction

This is the developer documentation for North Country Community College. This document describes the following:

- Implementation
- Live Delivery Platform
- OU News
- OU Events
- OU Comments
- Forms
- Galleries

Resource Files

OU Resources are organized into a /_resources directory, with additional subfolders for various elements. The following folders are part of OU's standard implementation skeleton:

- /_resources/css/
  - This folder is intended to hold the CSS files for the site, based off the provided design files. Additionally, there is a CSS file for OU Styles that is used in such a way as to allow for overwriting the default design CSS without affecting the original files. Ideally, original files are updated when needed, but this allows OU to make additional changes for small support or implementation requests and needs.
- /_resources/images/
  - This folder is intended to hold the global images for the site, based off the provided design files. It is also initially populated with some sample images during the implementation process. Depending on your access and workflow settings, you may want to also utilize this directory as a parent folder for all images within the site or to lock down the global images in a separate location that is not accessible to regular users.
- /_resources/includes/
  - Global include files for the site are stored in this location. More information about the specific include files can be found in the Includes section below.
- /_resources/js/
  - This folder is intended to hold the JS files for the site, based off the design files. Additionally, there is a JS file that places the DirectEdit link in its proper location, which is customized during the implementation.
- /_resources/ldp/
  - This folder is intended to hold "Live Delivery Platform" related files, such as CSS/JS and PHP.
- /_resources/ou/

- This folder is specifically dedicated to OU code, in particular for WYSIWYG editor customizations and for New Page Wizards. Code for snippets is commonly placed in a subdirectory as well. \
- /_resources/php/
  - This folder is intended to hold the PHP files for the site.
- /_resources/xsl/
  - This is where the XSL code that transforms PCF files into pages is stored. It is broken down into several main files, including a _shared subdirectory for code that is commonly shared across multiple page types. In general, a page will call an XSL file specific to its page type, such as interior.xsl. The page's XSL will then call the common.xsl file to output global design elements and grab other resources that may be necessary for the page, while the page's XSL itself will transform the data needed for page-specific elements.

Includes/PCF to Includes

By default, the following include files are added during an implementation, which can then be removed, and/or additional includes added:

- analytics.inc - Intended for Google Analytics or other tracking code to provide analytics information for each page in the site.
- header.inc - The code for the global header that includes design and content elements, upper navigation menu, mobile menu, and search function.
- headcode.inc - Global scripts and generic code that should be called in the <head> of the page output. The code in this file does not include visible design elements and primarily consists of CSS references.
- header.pcf - Global header pcf include containing visual elements which can be edited by users.
- footer.inc - The code for the global footer that includes design and content elements.
- footcode.inc - Global scripts and generic code that should be called at/near the bottom of the page output. The code in this file does not include visible design elements and primarily consists of JS references.
- footer.pcf - Global footer pcf include containing visual elements which can be edited by users.

Section Navigation File

Each section of the site contains a navigation file called _nav.inc, which contains a set of links that are common to the section and appear in the section's navigation. _nav files are being used in conjunction to create a nested navigation structure.

Directory Variables

ou:navigation-start - Pulls navigation file from the section that is defined by the variable.

Styles Drop-down

The styles drop-down menu can be customized as described on the OmniUpdate Support Site. Any specific customizations for this implementation are shown below.

CSS Class	Friendly Name	Description (optional)
.span-style	Span Style	(Inline)
.block-style	Block Style	block

Special/One-off Pages

-404:
-A-to-Z-index:
-Home Page:

Templates/Page Types

Following are each of the Templates (New Page Wizards) that were developed for this implementation.
-Interior
-Snippet Page
-News Listing Page
-News Article Page
-Events Listing Page
-Events Article Page
-Index Page

Home Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Tags (text):

Custom Settings

-Choose Gallery Type (asset): Choose style of gallery if asset has been added to editable region on page.

Editable Regions

-Regions 1 - 7

Interior Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):
Navigation (checkbox):
Choose Gallery Type (asset): Choose style of gallery if asset has been added to editable region on page.

Editable Regions

-Sidebar: (If navigation is enabled)
-Maincontent

Snippet Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):
Navigation (checkbox):
-Choose Gallery Type (asset): Choose style of gallery if asset has been added to editable region on page.

Editable Regions

-Sidebar: (If navigation is enabled)
-Maincontent

News Listing Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):
Navigation (checkbox):
-Choose Gallery Type (asset): Choose style of gallery if gallery asset has been added to editable region on page.

Display News

-RSS Feed (filechooser): User enters 'Recent News' RSS feed.
-Count (text): User chooses how many news items appear on the page. (Defaults to 3 if left blank.)
-Fliter By Tags (text): User can filter results by tag. Only news items with the same tag will be displayed.

Editable Regions

-Sidebar: (If navigation is enabled)
-Maincontent

Events Listing Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):

Navigation (checkbox):
-Choose Gallery Type (asset): Choose style of gallery if gallery asset has been added to editable region on page.

Display News

-RSS Feed (filechooser): User enters 'Recent News' RSS feed.
-Count (text): User chooses how many news items appear on the page. (Defaults to 3 if left blank.)
-Fliter By Tags (text): User can filter results by tag. Only news items with the same tag will be displayed.

Editable Regions

-Sidebar: (If navigation is enabled)
-Maincontent

News Article Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):
Navigation (checkbox):
-Choose Gallery Type (asset): Choose style of gallery if gallery asset has been added to editable region on page.

Editable Regions

-Sidebar: (If navigation is enabled)
-Maincontent

Events Article Page

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):
Navigation (checkbox):
-Choose Gallery Type (asset): Choose style of gallery if gallery asset has been added to editable region on page.

Editable Regions

-Sidebar: (If navigation is enabled)
-Maincontent

Index Page

-Index page is automatically generated when a new section is added to the site. The auto-genorated page should never be renamed as _props and _nav files utilise the index file name.

Page Properties

Metadata

-Title (text):
-Description (text):
-Keywords (text):
-Tags (text):

Custom Settings

Page Heading (text):
Breadcrumb (text):
Navigation (checkbox):
-Choose Gallery Type (asset): Choose style of gallery if gallery asset has been added to editable region on page.

-Sidebar: (If navigation is enabled)
-Maincontent

Navigation

As described in the Global Configuration section earlier, there is a `_nav.inc` file in each section of the site, which allows for a common navigation to be shared across all pages in that section.

Select Styles Dropdown

-Select lists are aviable on this site but none where used during devlopement.

- Select List Items can be located and updated at /_resources/ou/editor/select-lists/json/
- Example: /_resources/ou/editor/select-lists/json/bootstrap-icons.json
- Several Snippets use dropdown select lists in the wysiwyg editor for convenient customization.

Bootstrap Icons - An expansive list of bootstrap-icons.

Cities - List of cities.

Cobycon Icons - An expansive list of cobycon-icons.

Colors - List of colors with hexadecimals.

Cobycon Icons - An expansive list of fa-icons.

Majors - List of majors.

Months - List of months.

States - List of states.

States - List of the days of the week.

Snippets

Any snippets that were built as part of this implementation are listed below.

Home Page

Name	Description
Image Slider	Built specifically for the NCCC homepage and needs to be placed in a full-width section to function properly. This is a fully customizable snippet that contains a title,

Name	Description
	description, subtitle, and button with a link. Color for both the button and visible text on the slider can be toggled between light and dark in the WYSIWYG. As many slider items as desired can be added by adding additional rows in the WYSIWYG, image fields are the only required field in this asset.
Vistors Guide	A fully edible single item "Call To Action" snippet. The user adds left and right cta text and text for the button with URL destination. Header appears in the smallest font, left cta text is in bold, right cta text is in italic. Text fields are optional but the button link and text is required.
North Country By The Numbers	A simple fully edible snippet with the image, the number to be displayed and text. This snippet was built to hold 3 items and rows should not be added or removed.
Testimonials	This snippet is a slider that displays one item at a time. The snippet is fully editable, the header text is added once and appears at the top of each slider item. Items display the person who created the quote, information about the person who created the quote and the quote itself. As few or many rows as desired can be added but the snippet should contain at least two rows to function correctly.

Snippet Page

Name	Description
Accordion	This is a table transformation snippet that renders as an accordion element. The layout of the table editing experience will be a sequence of rows, with each accordion element in its own row. Adding a row to the table will add a corresponding accordion element.
Tabs	This is a table transformation snippet that renders as tabbed content. The layout of the table editing experience will be a sequence of rows, with each tab in its own row. Adding a row to the table will add a corresponding tab.
Columns (2 or 3)	These are two separate table transformation snippets that will split the current editable region into either 2 or 3 columns, depending on which of these two snippets are used. The layout of the table editing experience will be 2 or 3 columns, with each rendered column element in its own column in the table. This table is expected to not be changed by the user, and any changes to the layout should be ignored and can potentially break the transformation.

Special Assets

Assets are reusable content that can be added to multiple pages to ensure consistent content across those pages. When an asset is edited and republished, any pages the asset has been placed on (subscribing pages) will be updated automatically with the updated asset content. Any special assets that were created as a part of this implementation are listed below.

LDP Comments: Disqus for on page comments.

OU Forms: Placeholder example.

OU Gallery: Placeholder example.

OU Recent News: Asset placed on the page displaying recent news articles.

OU Upcoming Events: Asset placed on the page displaying upcoming events articles.

Social Media Icons: Displays social media icons.

Modules

This section describes the modules that were implemented and any special functionality that was put in place. The OmniUpdate Support Site provides more information on currently available modules.

Live Delivery Platform (LDP)

LDP describes the use of custom Forms, Galleries, and Comments through OU Campus. More information on LDP can be found on the OmniUpdate Support Site.

- **Comments**

  LDP Comments are made through Disqus and the use of a Source Code Asset. More information on how to utilize and manage LDP Comments can be found on the OmniUpdate Support Site.

- **Forms**

  LDP Forms are created with a special Form Asset, described here. Special code is added during the implementation to allow for custom display and communication with OU's Server Side Module (SSM), which handles communication with the database where forms submissions are stored.

OU News

The OU News Module provides blogging like functionality to the site. A user can build individual article pages that are inserted into an RSS feed after being published. The RSS feed is then parsed by the News Listing page and collated on to the customizable news listing page.

OU Events

The OU Events Module provides blogging like functionality to the site. A user can build individual article pages that are inserted into an RSS feed after being published. The RSS feed is then parsed by the Events Listing page and collated on to the customizable events listing page.