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| WEBD 3027 | **Project 1** |
| Developing for Content Management Systems |  |

**FACULTY INFORMATION**

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| --- | --- | --- |
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**ASSIGNMENT/PROJECT REQUIREMENTS**

**Please include this entire document with the cover page when submitting your assignment/project. Be sure to modify the information on the cover page as required.**

**SUPPLIES / ADDITIONAL RESOURCES**

Perform research for the objectives below as needed. https://codex.wordpress.org/

**Evaluation Scheme:**

Build a custom theme from scratch: 30%

Create 1 custom page template files: 15%

*1 landing page.*

Explain purpose of each php file: 20%

*Write the purpose of php files within this document.*

Develop a clean navigation menu: 25%

Quality Assurance: 10%

*Please be sure to verify all links/page’s function without error.*

Total 100%

Total weight on course: 20%

**Feedback will be provided via Brightspace, or in person review.**

**Introduction**

We learned about the important php and css files that should be included in your theme and designed a class theme to build a functional WordPress website. Now we need to modify all the php files according to the project requirements and explain their functionality.

Your custom theme will be based on the following Mockup: <https://xd.adobe.com/view/7d4453f1-5622-4f05-b049-59af293e2b0b-2817/>. Note that you do not need to be pixel perfect to the mockup (although in industry that may be expected) your custom theme should be close to the layout and style matching the colors, font families, and font sizes used. It must also be fully responsive.

**Learning Outcomes involved**

Project 1 involves learning outcomes (2) as shown below:

1. Develop and implement a theme from scratch to satisfy client requirements.

**Objectives**

* Create a custom, built from scratch theme with all the required php, css, and js files based on the provided mockup.
* Your theme should include an index.php, page.php, single.php, 404.php, and search.php. search.php is a new template that we didn’t explore. The search.php template shows relevant results after a user performs a search. For a user to access this page you will need to research how to add a html form for searching your site. WordPress provides this functionality out of the box.
* Create one custom page template (Using “Template Name:” comment at top of file) so that you can have a page assigned as a landing page
  + The landing page will not display any menus and the <footer> will be removed.
* Explain the purpose of each php file being used in your theme and write within this document.
* The “hamburger” button on the mobile mockup will toggle the display of your menu on mobile devices. It is up to you how to want the mobile menu to render.
* Take time to review all pages, posts, and links for functionality and errors. Investigate and correct any errors as needed.

**Instructions**

This document contains a pre-built cover page. You are welcome to use this cover page or modify it to your liking. Please ensure that you have updated the required information such as name, student ID, etc. to reflect your information. Please create/attach additional pages to this document for your work. When your project is finished, you will place this document into the root of your theme and zip the theme directory. Submit the zip via BrightSpace.

**Project/Assignment Name**

**WEBD3027**

**Developing for Content Management Systems**

Victoria Shmakov, w0476703

IT – Web Programming year 2, NSCC

Ryan McLaren

# Explain purpose of each php file:

Screenshot.png – naming an image file “screenshot” and placing it in the root of the theme folder will automatically make WP recognize it and place it as the screenshot for the theme in the theme selection area.

Style.css – contains all the styles for the theme. Must include comments (most notably, the theme name) at the top of the file for WP to recognize the theme and get titles and properties for the dashboard display.

Header.php – contains all the header information of the theme. Things such as language attributes, the charset, WP head and body functions. The **wp\_head()** function is in charge of loading JavaScript and CSS, while functions like **body\_class()** and **wp\_body\_open()** aiding in the application of styles and scripts to various elements of the body of the theme, allowing the addition and use of plugins and etc.

Footer.php – contains the footer information for our theme. This is also part of compartmentalizing parts to reduce redundancy. Will contain the closing tags for the </body> and </html> tags which we have opened in the header.php.

Will also often include the menu as well as dynamically displaying the site name and current year.

Functions.php – will contain all the functions and hooks for the theme. Functions such as the enqueue stylesheet to get WP to load the styles, menu registration function to add the required menus, enabling theme supports; like site title and thumbnails etc. as well as other imports that may be important for use in your theme, such as Javascript/Jquery and Font-Awesome.

Index.php – is the default template for WP. This is what it will use if it can’t find anything else. It will contain all the other little “components” (such as header and footer) as part of it’s included files. This helps centralize everything as opposed to having to duplicate these “components” for each page. It will also be used to display the actual blogposts using a loop.

Single.php –the template for displaying a single post, this is the layout that will be displayed when the user clicks on any one specific post.

Page.php – will be the template for displaying the pages in our website. Not to be confused with the posts, which use the “single.php” as their template.

404.php- the template that will display an error message page if the page/post isn’t found.

Pagination.php – contains the code responsible for displaying the pagination links in the website. This makes sure the code is not being repeated and the links are consistent across whatever pages that may need them. It is located inside the **‘template-parts’ folder**, which can contain other similar “modules” or “components” of a template, and used across the website wherever needed. This prevents redundancy.

Mobile-menu.js – includes some JQuery to add a click event listener to open the hamburger menu in the mobile size of the template. Is located inside a “js” folder for good organization. Any further js files can either be directly added to this file or created as new files in this folder.

Searchform.php – This page is in charge of the “search” **functionality** in wp. It will not only build the search field and button, but also include the wp functions that will execute it.

Search.php – the template for the page that will actually **display** the search results.

Template-landingpage.php – A custom page template. Includes the custom layout for any page that will be classified as a “Landing Page” within the wp dashboard and page addition. It allows us to create distinct layouts and functionalities for different pages of the website. This flexibility is crucial for tailoring specific pages to meet unique design or content requirements that differ from the rest of the site. In our specific case, any page that will be classified as a “landing page” will have no search bar, no footer, and no nav bar. Which is different from our general page layout design.