



Objectives:

This project requires you to work in a team with other students to design, develop and present a fully working WordPress website for a domain of your choice.

Instructions:

- Complete the various activities within the specified timelines

Activity 1: Team Formation, Domain and Theme (Selection and Description) (3%)

Team Formation Due: Mar 07, 2024 @10:00pm

Students are required to form 8 teams of exactly 3 members, and 1 team of 4 members by self-organising into the digital content categories listed on myeLearning. Unassigned students will be randomly allocated after this deadline.

Paragraph Due: Mar 14, 2024 @10:00pm

Teams are expected to submit a short paragraph (250 words) on myeLearning that:

- identifies the domain of your team's WordPress site
- describes the goal of the domain (purpose of the site),
- lists 3 core pages that are expected on the site. Refer to the list* below examples.
- identifies 1 unique interactive feature on the site (image gallery, search do not qualify here) and
- supplies a link to the WordPress design theme selected by the team.

A domain is an area of interest e.g. interior design, restaurant, utility company, online cookbook, consumer review, game, online store etc. Note: A university domain is not allowed for the project since it is the basis of the course materials. A theme defines the style of a website, controls the quantity of content shown and structures a site. Note: Teams are only allowed to use non-commercial themes from the WordPress site that provide basic structure, design, and limited functionality.

*Digital Content Type Categories:

Infographic
Testimonial

Case Study
Podcast

Blog Post
Review

Meme
Quiz

EBook
Embedded Tweet

Q&A
Photo Gallery

How to Guide
Vines

Timelines
QR Code

White Paper
Wikis

Activity 2: Codebase and Live Website (17%)

GitRepo URL Due: March 25, 2024 @11:59pm

Full Codebase and Live Site Due: April 05, 2024 @11:59pm

Teams are required to build a WordPress website for their domain using their design theme.

Essential features include:

- Use of at least three custom post types with custom fields and relationships
 - Each custom post type must feature 1-2 different kinds of digital content (refer to Week 1, slide 5)
 - User roles and permissions specified for at least three different types of users
 - At minimum three pages with two levels of child pages, dynamic menus and breadcrumbs
 - Content pagination, curation and customised presentation on at least 3 pages
 - 6 custom, complex queries (fully documented)
 - 1 dynamic, interactive feature that is relevant to the domain (plugins can be used)
 - Allows user generated content, comments and registration on the front-end
 - Hosted online and deployed on a server (details will be provided in lectures)
- Sound software engineering and design principles should be applied at all time.

Activity 3: Site Content and Documentation (7%)

Due: April 05, 2024 @ 11:59pm

Teams are required to produce documentation for their codebase using techniques of their choice. Documentation should be placed on your group's GitHub wiki. See [here](#). Site content must be produced evenly and posted gradually over a 2 week period (minimum) with timestamps by the three different types of users.

Key documentation sections:

- Project Overview (enhance the description from activity 1)
- Project Team Description (team members, roles taken in project)
- Website Goals (intended audience, purpose of website)
- Content Structure (site map, content type, page templates)
- Website Design (theme, popularity, url link, rationale for choice)
- Functionality (queries, user roles, search)

Activity 4: Team Presentation and Demo Video (7%)

Demo and Video Presentation on YouTube: Due on April 08, 2024 @ 11:59 pm

Teams are required to give a focused 5-6 minute video recorded presentation on their work with a minimum of 3 slides.

- Part 1: Demonstration of the site's essential and novel features.
- Part 2: Each member must be visible in the video and speak for 45-60 seconds. Clear audio, no shaking. Members are required to talk, identify and discuss a different feature of the website/project that they created which was (a) most challenging (b) most gratifying (c) most impactful.
- Uploaded to YouTube with a link identified at the end of the research paper or in the submission area on myElearning

Suggestions: You may use a camera on a smart phone to record your video. Mount on a tripod or a secure surface and record in an area with good lighting and low background noise. There are many free video editing software options online or you may use Windows Movie Maker in the lab machines. Practice before recording.

Activity 5: Peer Review Activities: April 10, 2024 during Lab/Lecture Sessions (6%)

Peer review exercises will be conducted using myElearning and discussed. All students are required to attend the peer review session and complete all assigned reviews and related tasks in-class. Students who do not attend the session for the full duration, or who do not complete all tasks during the session will score 0 for this activity.

Internal Team Review Form

- Internal peer review should be conducted and feedback forms submitted on myElearning by the deadline. Students must evaluate themselves and their team members. Confidential and individual.

Google Review Form

- Students will be assigned to review and evaluate (group's documentation, website, functionality and presentation video) 3 other teams and fill in responses on a Google form.
- Students may prepare ahead but the form must be filled during the review session.
- Every student is required to fill out the review form for each team that she/he has been assigned to review, before the end of the session.

Forum Tasks

- Every student is required to generate 1 technical question for each team that she/he has been assigned to review (must be relevant to the project area) and post on the forum during the session. Teams may coordinate and prepare these beforehand.
- Every student is required to answer 3 technical questions posed to her/his team on this forum during the session. If one team member has answered a question, then other members should respond to a different question. All questions posed to a group must be answered by the group on the forum before the deadline. Exceptions are made for groups where a duplicate response is permitted for only one question if there is an unbalanced allocation resulting from the class size.