



Evolving Web Technologies

Ass 1: Responsive Design - 50%

Due: 5pm Monday 15th March 2018

Introduction

The main aim of this project is to further develop student skills in web development, the principles of multimedia, interaction design, navigation, usability principles, to develop a website that adopts a Responsive Web Design.

Requirements

Technical

- You are required to create a standard local root folder using guidelines given in lectures and use this folder structure appropriately.
 - Include an additional folder called **docs** in your local root folder into which you should place all additional relevant documentation e.g. presentations, reports, etc..
- The home page of your web site should be named **index.html** and be in the root location of the local root folder.
- You are required to code to the HTML5 syntax.
- You must validate your code at <http://validator.w3.org/> and make sure to fix as many errors as possible.
- You need to maintain a Github repository of all your code during the development stage and include a link to it in your submission

News Article Structure

- The base unit of content in your site should be a News Article and should have the following elements:
 - Title (max 100 characters)
 - Summary (max. 150 characters)
 - Full Text (max. 3000 characters)
 - Image (Format: jpg|png,)
 - Author
 - Date

Responsive Design

- You are required to create a responsive design that adapts the page design to cater for the at least 5 break points. Here are some that you can choose from but you are free to adapt as you believe prudent:
 - 380px
 - 540px
 - 750px
 - 980px
 - 1200px
- You are required to use appropriate and semantically correct HTML5 markup to structure the content and layout

Website Structure

- All Pages should be based on the same template specification and should contain at least the following elements:
 - Branding
 - Navigation
 - Search
 - Content
 - Footer
 - Ads
- You are required to design and create the following pages with at least the following components listed under each page in addition to the standard template elements:
 - Homepage
 - One Featured news article
 - Selection of other news items
 - Login/signup
 - Create new account
 - Login
 - View/Edit Profile
 - All News
 - View all news sorted by newest
 - Display title, summary, author, date and image (thumbnail?) only
 - Each news story should link to the full article
 - Full Article
 - Complete details of an article
 - Please create 5 distinct articles
 - Search results page
 - View all news sorted by newest that match the search criteria
 - Display title, summary, author, date and image (thumbnail?) only
 - Each news story should link to the full article
 - Submit/edit/delete news item
 - This functionality will be build in a separate module but you need to consider this in your design
 - Logged in users should be able to
 - Add new news article
 - Edit existing news article
 - Delete existing news article

Project Stages

Research & Design- 30%

- Research & Concept Development
- Audience Analysis
- Content / Navigation Analysis
- Photoshop Design
- **Deliverables**
 - Moodboard (.png)
 - Persona (.pdf)
 - Wireframe / Prototype (.png)
 - Navigation Design (.png)
 - Photoshop Design (.psd)

Development - 55%

- **Maintain** Github repository of all project files during the development stage
- Production of design in HTML/CSS
- Production of all content
- Assembly
- **Deliverables**
 - Zipped Local root folder containing working site uploaded to Moodle

Deployment & Test - 10%

- Deployment: Site deployed to MMServer & Github Pages
- Test: Perform test and validation
- **Deliverables**
 - Website deployed (URL)
 - Test report (.pdf)

Presentation & Demo - 5%

- 5 minute Presentation:
 - Suggested slide categories
 - Rationale
 - Research & Design Output
 - Development Process
 - Problems & Solutions
 - Lessons Learned
- 2 Minute Demo:
- **Deliverables**
 - Presentation (ppt / pdf)
 - Demonstration

Marking Schema

- 30% - Research & Design
- 55% - Development
- 10% - Deployment & Test
- 5% - Presentation & Demo

Submission

- Remember to name your local root folder in the following convention, **K00123456_EWT_Assignment_01_RWD**, remembering to replace **K00123456** with your K number.
- This local root folder should also be a git repository and be published to Github.com
- FTP/copy your site to the MMServer
- Publish to Github Pages
- Zip your local root folder.
- Upload your zipped local root folder to Moodle before the due date and time.
- Include a link to your GitHub repository in your submission
- Late submissions will incur a penalty of 5% deducted from your grade per day that you are late.
- Remember to document your design process in your online visual diaries/blog.