**IT 3203 Project Milestone 3: Responsive and Mobile Web Design**

**Due Date**: See D2L

**Overview**

In this milestone, we will improve the website to make it responsive and mobile friendly. At the same time, complete your topic research on your selected subject.

**Main Requirements**

1. Apply responsive design and mobile friendly designs
   1. Write media queries and design for at least three screen sizes (widths).
   2. The website (all pages) needs to be mobile friendly.
   3. Apply major responsive design and mobile design best practices on the following elements:
      1. Overall page layout
      2. Site menu
      3. Images and tables used in your article
      4. Quiz form and its controls
2. Topic research finalized
   1. The research needs to be complete with major resources provided.
   2. The research essay needs to be detailed with sound logic. Organize your research content into different pages and subsections appropriately.
   3. Need to have a dedicated page just for references and web resources.
3. HTML and Style
   1. At least 5 HTML pages: home page, reference/resource page, quiz page, and at least two other pages on your research topic.
   2. Effective use of images, bullet points, tables, links, div, and other elements
   3. Effective use of CSS color, box, layout, and other styles
   4. Consistent style for all pages and menu, using a single CSS file.

**Other Requirements**

1. **Documentation**: Include comments in your code to explain your implementation.
2. **Deploy** your site to your GitHub Pages and make it public accessible.

**Submission**

* Submit the **URL** (directly put it in the Comments textbox and make it a clickable link). Make sure it works online.
* Submit a **project report** that includes
  + **Design explanation**: explain, in detail, and show (source code and/or screenshots) how your design follows the best practices of responsive web design and mobile web design. List the specific principle and best practice clearly.
  + **Testing report:** how your website looks and runs under different sizes of screens (at least three testing settings, including an actual smart phone). For each testing setting, explain the testing environment and include screenshots to show running results.
* Compress all project **source code files into a .zip file** and submit it as well.

**Grading considerations**

* Meet all main requirements specified above.
* Research (writing) quality.
* Report quality: detailed and clear explanation.
* Code quality, organization, and documentation. Well-formed and clean code.
* Follow the submission requirements. Don’t forget any required item.

**Additional Notes:**

* Make sure you have updated the URL in our student record file if you change your project name and URL.