

## **IT 3203 Project Milestone 2: Dynamic Frontend**

**Due Date:** See D2L

### **Overview**

This milestone is a continuation from milestone 1. In this milestone, we will add a quiz to your project, and continue to improve your website.

### **Main Requirements**

1. Add a self-assessment quiz on your site
  - a. Create a quiz on a separate page and include it in your site menu.
  - b. In this quiz, you will design a set of questions for users to assess their understanding after they read your writings and related materials in milestone 1. The questions need to be relevant to your writing.
  - c. Use JavaScript and HTML form elements correctly and creatively to design the quiz.
  - d. The quiz needs to have at least three multiple-choice questions (with only one choice correct), one filling-blank question, and one multiple-choice question with more than one correct choice.
  - e. When a user completes the quiz, display the total score, score and answer to each question, and overall pass/fail result on the page.
  - f. Provide a choice for users to restart the quiz.

Real-world example quiz app for your reference:

- <https://www.geeksforgeeks.org/quizzes/introduction-to-javascript/>
- <https://www.w3docs.com/quiz-start/html-basic>
- <https://www.w3schools.com/quiztest/quiztest.asp?qtest=CSS>

2. Content and style improvement
  - a. Continue to improve your page style and layout.
  - b. Continue to enhance your website content. You can continue to do more research and present more content. Add more references and resources.

- c. Update the menu on each page as well.
- d. Refactor and optimize your HTML/CSS code.

### **Other Requirements**

1. **Documentation:** Include comments in your code to explain your implementation.
2. **Deploy** your site to your GitHub Pages in the same project repository from milestone 1.

### **Submission**

- Submit the URL (directly put it in the Comments textbox and make it a clickable link). Make sure it works online.
- Make a milestone report detailing how your work satisfy each of the main requirements. Explain your work with screenshots.
- Compress all project source code files into a .zip file and submit it as well.

### **Grading Criteria**

- Meet the main requirements specified above.
- The live site and the quiz app work correctly.
- Report quality: address all main requirements with screenshots and explanations.
- Code quality, organization, and documentation. Well-formed and clean code. You should not use any wizard or tool to generate the code, nor should you copy and paste codes from other sources without cleaning it.
- Follow the submission requirements.

### **Additional Notes:**

- The quality of research is not graded in this milestone. However, the research will be assessed at the end of the project. Please improve your research throughout the semester.
- Explore online tutorials and resources to enhance your skills in web development and design.