Homework 2

SWE 632 - 2024 Spring

Due by: February 27, 2025 11:59 PM

Submission to include:

- URL to execute from a browser
- Word document / PDF describing design, interface features, and other info as needed

Please adhere to all the submission rules. It ensures standard grading for all students and makes rubric implementation simpler.

NOTE: A late assignment carries a 10% late penalty. Assignments are NOT accepted after being 1 week late. Make sure your name and group members names is on every programming artifacts so we know who it belongs to.

Problem Statement

Design and implement an "Academic Advisor". This application would be used to help students with their academics as follows.

- Selecting a major based on abilities, marketability, etc.
- Suggest an overall study plan based on a chosen major.
- Set up a schedule for an upcoming semester based on the student's progress so far.
- Help with financial aid.
- Determine and specify any additional features, including AI-based

Submission Requirements

- *Design* (**2.5 points**)
  - Determine at least two different types of stakeholders.
  - Prepare a list of questions and interview at least two stakeholders.
    - Record your questions and answers.
  - Formulate an argument that articulates the problem
- *Implementation* (**5 points**)
  - Please refer to this link for setting up your mason website.
  - Implement your design in HTML, Bootstrap, and JavaScript
  - At least two of your design features must be functional

- ○ Test your implementation in Selenium
  - ■ Create sufficient number of test cases (at least two) to ensure good functional coverage
- ● *Interface Metrics* (**2.5 points**)
  - ○ Comment on all learnability metrics covered in class 2
  - ○ Comment on accessibility of your application

Instant Point Deductions:

- ● I reserve the right to deduct points instantly for the following reasons:
  - ○ The URL doesn't work on the browser.
  - ○ The proper documentation file not included in the submission.
  - ○ The program doesn't run due to errors in the code.