# Assignment 2 - Introduction to Software Systems - Spring 2022

HTML, CSS, JavaScript - Due: 03 - May - 2022, 11:55 PM

### **Important Notes:**

- This assignment is an individual submission.
- Total Marks of 50 Marks with duration of 2 weeks.
- All script submissions should be done as per instructions.
- Inputs/output should fit the criteria mentioned in respective question.
- All other conditions are open to your interpretations.
- Evaluation will be conducted based on a fixed grading rubric (syntax, logic, input and output) and the marks are divided as per prescribed weightage in respective question.
- For gueries, reach out to TAs via Moodle

## Q1: Personal Homepage (Total: 35 Marks)

Aim: Learn to use HTML, CSS, and JavaScript to build a personal website

- 1. Create a Single page personal website which should provide the following details aligned inside a table. (10 Marks)
  - a. About Yourself
  - b. Your Profile Image
  - c. Education background
  - d. Achievements
  - e. Skills
  - f. Your News and Updates
- Include two hyperlinks, one should point to an external address on the internet, and another should point to your local file system. These links on images or hyperlinks. (5 Marks)
- 3. Decorate your page using Inline, internal, and external CSS (10 Marks)
- 4. Provide clickable options to change fixed 5 background colors and fixed 3 font size using JavaScript (10 Marks)

#### Q2: Write a JavaScript code to satisfy the following requirements (15 Marks)

An Academic Officer wants to create a class schedule roster for 18 subjects spanning across 6 working days. Create a JavaScript to consider the conditions below to create an automated Class Timetable.

- 1. It is a 6 Day week, so there are classes between Monday-Saturday. Sunday is a holiday.
- 2. Day should have only 6 classes (3 forenoon and 3 afternoon)
- 3. One Course should only be repeated twice a week
- 4. A Course should have a day gap between two classes (If a class is scheduled for Monday, the next class can happen any Wednesday, Thursday, Friday)

Input: Accept 18 Subjects through prompt box. Store in variables.

Output: 6-day Class Roster Table with 3 classes in Forenoon and 3 classes in Afternoon session.

#### **Submission Instructions:**

Upload the folder ZIP with your roll number. It should contain the three following files as shown below:

**Q1\_homepage.txt** - Should contain your github.io page URL.

Note: Create a github.io page and host it online. Submit only the github.io page link in this file. Ensure that you arrange your files as follows in your git repository:

- Index.html
- CSS (Folder)
- JS (Folder)
- Media (for images and videos if any)

Q2\_roster.html - should contain the html/css/javascript code or Q2

**README.txt** - To include any instructions for evaluators or if you wish to add any comments. This is not a mandatory file.

If you do not follow this submission guidelines, you will get "0"