

INTRODUCTION TO SOFTWARE SYSTEMS
Assignment 2 – HTML, CSS, JavaScript
Submission Due Date: 3 July 2021, 5 pm

Important Notes:

- This assignment is an individual submission.
- Total Marks of 50 Marks with duration of 2.5 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 queries, reach out to TAs via Moodle or Course MS Teams Group.
- Submissions should be done via Moodle and host your website on IIIT SSH (researchweb.iiit.ac.in, web.iiit.ac.in etc.)

Personal Homepage (Total:50 Marks)

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

Requirements: Follow below requirements and address all of them as part of Question 1

HTML + CSS (25 Marks)

1. Your personal homepage should have multiple **pages** linked by hyperlinks under a navigation bar. (Example: Home, Achievements, Skills, Contact, Education etc.) **(5 Marks)**
2. Include your profile image and at least 2 more images through an external link. **(5 Marks)**
3. Link 2 external websites as hyperlink in the content or anywhere in your website (Example: IIIT Website, Your school website etc.) **(5 Marks)**
4. Include at least one table which makes use of merged table cells. **(5 Marks)**
5. Each page must have a background image or color. **(5 Marks)**

JavaScript (25 Marks)

1. Navigation bar must stick to the top on scrolling **(5 Marks)**
2. Elements (fields) on navigation bar must change the color on hovering. **(5 Marks)**
3. On one of the pages, create a form that lets others add your skill and its rating (a mechanism where someone you know tells something about you). It may be preferred to use drop down here. **(5 Marks)** Use an array and a dictionary to store this data. Display it in the form of a table on the same webpage. Store 3 attributes (name of the person who is adding the skill, the skill, its level). Level: {Proficient, Intermediate, Beginner}. Your table should look something like this: (Example: Here, Sachin says you are proficient in HTML) **(5 Marks)**

NAME	SKILL	LEVEL
Sachin	HTML	Proficient
Rahul	Python	Beginner

4. Display a set of 5 images that change on clicking the image (The next image should be shown only on clicking the current image). Also, clicking 5th image should lead to 1st image. (Example: Your images at college or school or with friends) **(5 Marks)**

Submission Instructions:

1. Your home page must be titled "index.html" and be organized in a folder with all other html files and images.
2. Make sure all pages have a .html extension.
3. All images must be formatted for web correctly (jpg, gif, png) - <https://web.iiit.ac.in/~/> or <https://researchweb.iiit.ac.in/~/> should open your home page (index.html) or you may host the site on github.io pages.
4. You are allowed to use other libraries like Bootstrap to enhance your styling and make your website look good, but you will be graded only on the usage of basic css styles and the presence of the core components in the requirements. You are free to use libraries to create those components.
5. The point of JavaScript is to make your webpage interactive. You can either write the scripts yourself or use external libraries. In case you use external libraries, you should be able to explain the functioning in detail during evaluation.
6. Submission will be on your GitLab or GitHub repositories. (Further details on exact submission procedure will be provided later). Your submission folder should contain 4 directories (html, css, img, js). Adhere to the following structure.

