

# Introduction to Software Systems

## Assignment 2 - HTML, CSS, JS

### Hard Deadline – February 4, 2020 8.00 PM

### (No Extension Entertained)

**Description** - Create a personal webpage and deploy it to your web.iiit.ac.in or researchweb.iiit.ac.in accounts. You can be as creative as you want and so remember to that these are websites which can be seen by the public. Also do remember about **permissions** of your directory.

**Aim of the assignment** - Learning to use HTML, CSS and JavaScript to build an actual responsive website.

**Please follow below instructions carefully. Unless mentioned below, you are allowed to use any tag from standard HTML/CSS/JavaScript library. Any additional queries in regard to tag usage/style usage etc. are not entertained.**

Please note that the design of your Web page of should be **RESPONSIVE**. Please go through this [article](#) to understand the intent. If your Web page is not responsive, we shall ignore your submission and will mark **ZERO**.

#### Components Required (HTML and CSS) (50 marks)

- Multiple Pages (Linked to each other by hyperlinks)
- Include 2-3 images on some of the pages.
  - At least one of your images must be locally stored.
  - At least one of them from some external link.
- Must link to at least 2 external websites that open in a new tab.
- Each page must have a background image or color
- You should have used at least one table which makes use of merged table cells.

#### Components Required (JavaScript) (50 marks)

- DO NOT USE ANY JAVASCRIPT FRAMEWORK, USE PLAIN JAVASCRIPT in your code
- Navigation bar must stick to the top on scrolling.
- "Go to top" button should be a part of the website.
- On one of the pages, (kind of a reference page) 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. Use an array and a dictionary to store this data.  
Display it in the form of a table on the same webpage. Store 4 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:

Name	Skill	Level	Comment
John	HTML	Intermediate	Nice to work with him.

Doe	JavaScript	Beginner	Hardworking
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- The first row means that John says you are intermediate in HTML with a comment.
- 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.
- Create a visitor tracker for the page which counts the number of visits that has been made to your website. The tracker should work for the home page only.

#### Judging Criteria -

- Satisfying all the component requirements as told above and a User-friendly interface.
- Clean code with reusable modules, separate HTML, CSS and JavaScript files and no repetition in code.

#### Points to note -

- Your home page must be titled "index.html" and be organized in a folder with all other html files and images.
- Make sure all pages have a .html extension.
- All images must be formatted for web correctly (jpg, gif, png)
- Check compatibility across browsers (Firefox, Safari and Chrome).
- <https://web.iiit.ac.in/~<username>/> or <https://researchweb.iiit.ac.in/~<username>/> should open up your home page (index.html).
- You are allowed to use other libraries like Bootstrap, Node 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. Please note that you should understand or have an idea of working of external libraries as they will be asked during evaluations.

#### Submission format -

- Submission will be on your **gitlab** repositories. **(These details will be posted on Feb 3 via Moodle).**
- Your submission folder should contain 4 directories (html, css, img, js)
- Adhere to the following structure.

