Assignment 1

Introduction to Software Systems, Spring 2024

Due: 3rd Feb, 2024

In this Assignment, you will be using HTML, CSS, and JavaScript to build a personal website and deploying it. You are encourgaed to add other features and be creative in your personal website design. The mentioned specifications are merely for grading purposes.

<u>Specification</u>

Create a personal website which should follow the following specifications:-

1. An about Yourself section which describes you.

2. Your Profile Image

3. Education background section

4. Achievements section

5. Skills section

6. Blog section

   - Clicking on a blog must open the blog in a new tab.

   - Create two placeholder blogs.

   - Each blog consists of a like counter and comments section. Both of these must persist even on closing the browser window. (Hint: Use local storage)

7. Add a navbar at the top of the page consisting of the above sections. This will be used to navigate through your personal website. Clicking on a Navbar Tab will direct you to the specified section/page.

8. Add your socials to your page with icons. (Eg. GitHub, E-mail, Instagram etc). Clicking on the Github icon will open your GitHub account (not some random link), clicking on the email icon will open your system's email program (Hint: search for mailto attribute in HTML).

9. Include one hyperlink that points to a file (e.g. your resume) in your local file system.

10. Provide a toggle button to switch between a light mode and dark mode. Make sure the dark and light modes go well with your personal website.

11. Use flex-boxes to effectively organize content on your website.

12. Integrate transforms and animations into your website design.

13. Make the website responsive i.e should display properly on multiple devices and screen sizes, for this assignment make your website responsive for mobile devices and laptops. (Suggestion: use relative sizing for images, text and other elements)

Note:

- There will be novelty(bonus) points for creativity. The requirements mentioned above are just to get you started, we highly encourage you to be creative and design your website your way!

- Use mentioned features animations, flex-boxes etc. for a particular purpose or in a way that adds value to the website, using the features for the sake of using them will NOT meet the requirement.

- Using ChatGPT and any other Generative AI tools is NOT allowed for this assignment.

- This assignment must be done individually.

- For any queries, feel free to reach out to the TAs.

Deployment

GitHub.io Page

Create a github.io page for your website's repository and host it online. This process is pretty easy and straightforward. For reference on how to deploy on GitHub.io Page refer to Getting started with GitHub Pages.

IIIT Web deployment

You need to deploy your website on the IIIT web.

Single degree students: `https://web.iiit.ac.in`
Dual degree students: `https://researchweb.iiit.ac.in`

Depending on your username, your website should be available at `https://web.iiit.ac.in/` or `https://researchweb.iiit.ac.in/` . For e.g. `https://web.iiit.ac.in/~raghav.donakanti/`

First use the **scp** command to copy the files from your desktop to the IIIT Web server `scp -r * <firstname>.<lastname>@web.iiit.ac.in:∼/public_html`.

Then ssh into the relevant server `ssh <firstname>.<lastname>@web.iiit.ac.in`. E.g. `ssh mayank.goe@researchweb.iiit.ac.in` and give permissions to all the files using `chmod -R a+rx ∼`

You can check out the deployed versions of your friends/seniors websites too as almost all the IIIT students have taken this course.

Submission

Submit a text file on Moodle containing link to both your GitHub.io Page and IIIT Webpage.