CMPS 350 Web Development Fundamentals
Lab 1 - HTML Basic Tags, Tables and Semantic Elements

Objective
Learn and practice how to write:
1. Simple HTML page using basic HTML tags such as <h1> to<h6>,<p>,
, and <!-- -->
2. HTML Tables to arrange tubular data such as text, images, and links into rows and columns.
3. HTML Semantic Elements. <header> <footer> <main> <article> <aside> <details> <figcaption> <figure>

Overview
This Lab has two parts.
- **In Part A**, you will practice the basic HTML tags using W3School.
- **In PART B**, you will create a simple Web page that shows your journey at the college.

As you make progress push your work to your GitHub repository

Preparation

1. If not done already,
   a. Visit http://github.com and create an account. Your GitHub username must be your *firstname-QuUsername* (e.g., samir-sa2109210)
   b. Download and Install GitHub Desktop application https://desktop.github.com
   c. Download and Install VS Code https://code.visualstudio.com/ and install the following extensions. [**Live Server , Prettier , Code Runner and GitLen**]
   d. Use the link under posted on BB under your section to get your private repo [You should use this link only once]
   e. Visit https://github.com/orgs/cmps350s2023 and clone your private repository (named **LabNo-YourFirsname-QuUsername**)
2. Save the files produced in this Lab under the **Lab1-HTML** folder
3. As you make progress, push your work to your cmps350s2024 GitHub repository.

Part A - Basic HTML Tags -Warmup activities

1. Create an html file and name it `index.html` and type the following code.

```
<html>
    <head>
        <Title>The First Page</title>
    </head>
    <body>
        This is my first html program!
    </body>
</html>
```

2. Open the page on the browser.
3. Open the https://www.w3schools.com/html/ explore and try yourself basic HTML tags: Heading [h1 to h6], Paragraph , Link and Anchors, Quotations and Citations, List [type= "I" "a", "A", "i"], Sematic Tags [header, nav, main, section, article, aside, footer], Tables, Image.
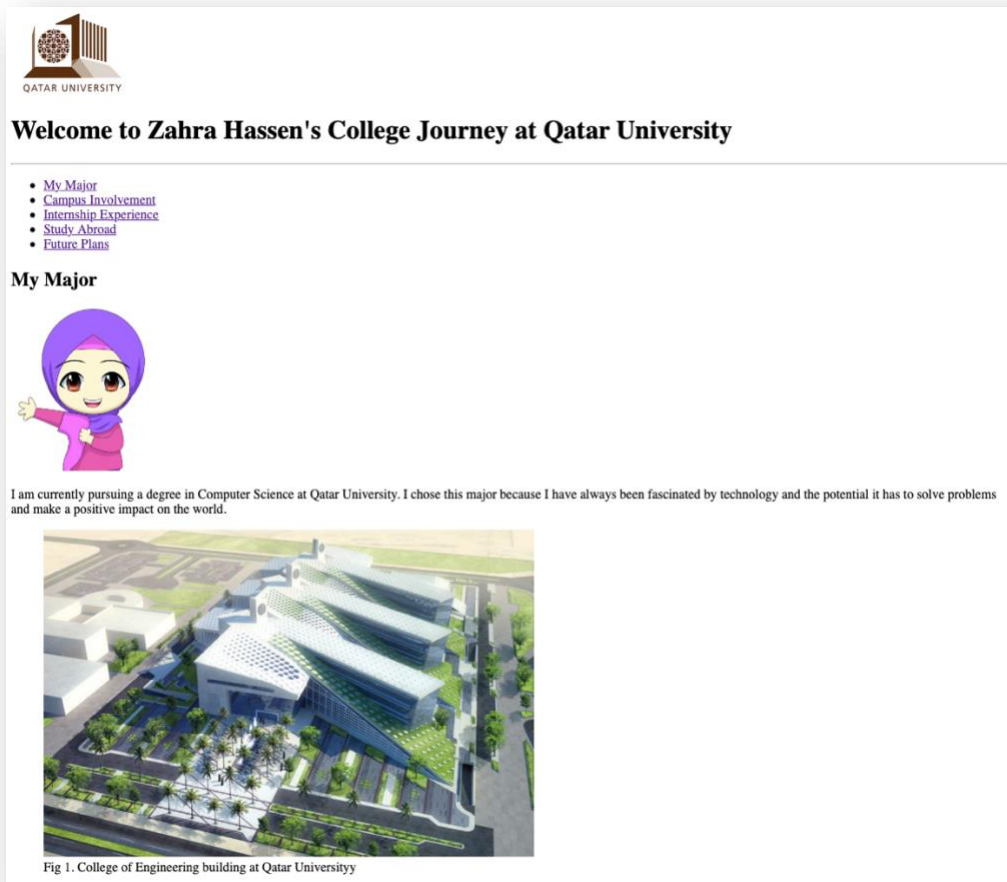
PARTB - My College Journey

In this exercise, you will create a simple web page that documents **your college journey** using HTML 5 basic and semantic tags . You can use the posted images or use your own. The page should include:

1. Sections for your major, campus involvement, internship experience, study abroad, and future plans.
2. Navigation menu, header, main content area, aside section for resources, and a footer.
3. Various elements such as headings, paragraphs, lists, images, figures, and tables to organize and present the content.
4. Hyperlinks to allow the user to navigate between sections.

Below is an example web page.

Campus Involvement

I am actively involved in a number of clubs and organizations at Qatar University. Some of the clubs I am a member of include the Computer Science Club, the Robotics Club, and the Gaming Club.

    I. Computer Science Club
   II. Robotics Club
  III. Gaming Club

Internship Experience

I have had the opportunity to gain valuable work experience through a number of internships while in college at Qatar University. Some of the internships I have had include:

Summary of My internships		
Internship	**Company**	**Duration**
Software Developer	Qatar IT Solutions	Summer 2020
Data Analyst	Qatar Data Systems	Fall 2021
Full Stack Developer	Qatar Tech Innovations	Spring 2022

Study Abroad

I had the opportunity to study abroad in Tokyo, Japan for a semester. It was an amazing experience that allowed me to learn about a different culture and improve my language skills.

Fig 2. Tokyo , Japan

Future Plans

After graduation, I plan to pursue a career in software development. I am particularly interested in working on projects related to artificial intelligence and machine learning.

Resources

- [Career Center](#)
- [Job Search](#)
- [Internship Match](#)

Figure 1 : HTML demo page

As you make progress push your work to your GitHub repository.