# 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>,,<br>, 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 <a href="http://github.com">http://github.com</a> 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 <a href="https://code.visualstudio.com/">https://code.visualstudio.com/</a> and install the following extensions.
    - i. Live Server, Prettier 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 <a href="https://github.com/orgs/cmps350s2023">https://github.com/orgs/cmps350s2023</a> and clone your private repository (named LabNo-YourFirsname-OuUsername)
- 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

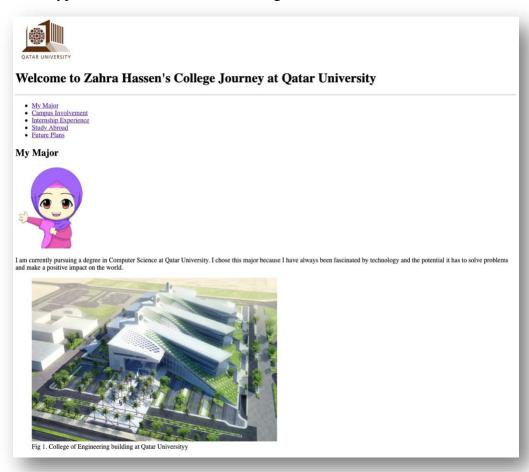
1. Create an html file and name it index.html and type the following code.

- 2. Open the page on the browser.
- 3. Open the <a href="https://www.w3schools.com/html/">https://www.w3schools.com/html/</a> 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.



#### **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

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Figure 1: HTML demo page

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