

The University of Technology, Jamaica
School of Computing and Information Technology
Web Programming [CIT2011]
Semester 2 AY 25-26
Individual Assignment #1

Due: Week 5 - 16/2/2026

Description

You are required to build a Portfolio website about yourself. Your website will include details based on the **Instructions** and questions **[Q1-Q6]** outlined below. Your website will showcase your unique creativity and perspective.

Instructions

- Write all code **from scratch** using plain HTML5 and CSS.
- Do **not** use JavaScript, frameworks, or WYSIWYG editors [Dreamweaver, Word, etc.].
- Organise files as follows:
 - Codes/ → all HTML files
 - Assets/ → all images/media
 - style.css → external stylesheet linked to all pages
- Save your folder using your student ID [e.g., 1234567_IA1_S1AY26].
- Upload the zipped folder + working hosting link to **Moodle** before the time ends.
- **Create a GitHub account using your UTech student account.** Give your account a professional and meaningful name. *Upload all your IA#1 web programming source code and deliverables to your repository.* Share the link to your repo with your tutor, eg www.github.com/jbrown_12345_utech

Q1. HTML Structure & Semantic Tags [12 marks]

Create an **index.html** file with:

- Correct **doctype, head, and body structure**. Must exist for all .html files. [2 marks]
- At least **5 different semantic HTML5 tags** must be used to organise the page. [3 mark]
- Demographic data about yourself. [2 marks]
- An image of yourself with an alt attribute. Image links to a local mail client. [5 marks]

Q2. CSS Styling [22 marks]

In your style.css:

- Use of variables to set and apply a consistent **colour scheme**, readable **font family**, etc, across all pages. [4 marks]
- Use at least **3 different selectors**. For example, element, class, and id selectors. [6 marks]
- Add **padding, margin, and borders** to all sections for a consistent and organised layout. [3 marks]
- Include at least two [2] **pseudo-classes**. *For example, :hover* [4 marks]
- Design for mobile screen size (min 600px); desktop screen size: (min 950px) [5 marks]

Q3. Navigation & Linking [5 marks]

- Add a **navigation bar** at the top that links to the portfolio content, such as resume, web pages or sections. [2 marks]
- Include at least one **external hyperlink** of your choice. [1 mark]
- Add one **bookmark link** [internal anchor] on any of your .html pages. [1 mark]
- Adjust for multiple screen sizes. Include a logo. [1 mark]

Q4. Page Content

1. **Professional: [4 marks]**

- a. Include a mirror of your curriculum vitae or resumé. Use a modern design template.

- i. If you do not have any job experience, then *create a resume for your future self*; imagine the places you would like to work and the work you get to do. Including the projects and experience you will get along the way at these imaginary workplaces. Dream BIG. **[2 marks]**
 - b. Include your **vision statement** and your **mission statement** for your life.
 - i. *A vision defines where you want to be in the future.*
 - ii. *A mission defines where you are going now, describing your raison d'être.*
 - iii. ***Mission equals the action; vision is the ultimate result of the action.*****[2 marks]**
2. **Personality: [10 marks]**
- a. Showcase how your top three [3] strongest personality traits, hobbies, etc., describe the impact these traits, emotions, and hobbies have on your school/academic life. **[3 marks]**
 - b. Describe a **favourite scene, personal motto or quote** from your hero, mentor or the person you look up to the most.
 - i. Your hero can be anyone, a celebrity, sports icon, family member, friend, real or fictitious, etc.
 - ii. Provide background details about the hero and explain what it is about them that makes them your hero. **[2 marks]**
 - c. Use the following link [AI Businesses of 2025](#), or scan the qrc below, to access a blog – review the content and write a report on your favourite idea from the list. Include how it can be applied in your world, and why it would be useful. Also, reflect on the ethical issues around the idea you chose. Provide your solution to these moral concerns. Provide an example of an actual app in this area, including a link to the app's website. **[5 marks]**



3. **Personal Development: [8 marks]**
- a. **Read Chapters 4 – 7 of “Twelve Pillars”** by Jim Rohn and Chris Widener [pp. 43 – 80]; of course, you may read and reread the entire book. Reflect on what you have read and write a summary of each chapter; write meaningfully, explaining how you could align what you read to your life. **[8 marks]**
4. **A Storyboard: [14 marks]** usually contains:
- a. Draw two [2] separate layout designs, one for mobile [min 600px] and one for desktop [min 950px]. This can be hand-drawn or done using an app or tool, eg Figma, SketchUp, etc. Include the <div> groups in the layout ui design. Webpages must match layout. **[6 marks]**
 - b. Include an image of the intended colour palette [including the RGB], icons and its dimensions, font-family, root font-weight, etc. **[2 marks]**
 - c. A link to your **GitHub repository** with the IA#1 source code, resources, such as images, and files such as “storybard-id#.pdf”. **[2 marks]**
 - d. Free hosting link **[2 marks]**
 - e. **An APA formatted reference** page that includes all the bibliographic sources of information used in creating the IA#1 website, i.e. books, websites, etc. **[2 marks]**

Q5. Layout & Presentation [12 marks]

- Use **CSS Flexbox OR CSS Grid** to create a layout for each of the respective screen sizes. **[5 marks]**
- Add at least **one list** [ordered or unordered]. **[2 marks]**
- Add a **table OR card-style section** for listing at least 3 favourite books/movies/songs, anime, etc. **[5 marks]**

Q6. Creativity & Technical Accuracy [12 marks]

- Apply a **consistent theme** [fonts, colors, spacing] across all pages. **[2 marks]**
- Add at least **one simple CSS transition/animation** [e.g., button hover with smooth effect]. **[5 marks]**
- Ensure **no major validation errors** in HTML or CSS [well-formed code]. **[5 marks]**

Section	Marks
Q1. Structure & Semantic Tags	13
Q2. CSS Styling	22
Q3. Navigation & Linking	5
Q4. Page Content	36
Q5. Layout & Presentation	12
Q6. Creativity & Accuracy	12
Total	100

Failure to follow the project instructions, such as broken link, paths, etc will attract 2% penalty.

Note Well!

No late assignment will be accepted. A 0 grade will be awarded to all assignments that are submitted after the due date and time.

Assignments not submitted on the Moodle platform will be given a zero [0] grade. Unless otherwise advised by your tutor.