**SINGAPORE POLYTECHNIC**
**SCHOOL OF COMPUTING**

**COMMON INFOCOMM TECHNOLOGY PROGRAMME (Year One)**
**DIPLOMA IN APPLIED AI AND ANALYTICS (Year One)**
**DIPLOMA IN CYBERSECURITY AND DIGITAL FORENSICS**
**(Year One)**
**DIPLOMA IN INFORMATION TECHNOLOGY (Year One)**

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| **Module Code** | : | ST0501 |
| **Module Name** | : | Front-End Web Development |
| **Acad Year/Semester** | : | 2025/2026 Semester 1 |
| **Assignment Title** | : | CA1 – Static Website |
| **Assignment Type** | : | Individual |
| **Weightage** | : | 40% |
| **Deliverables & Deadline (what & when)** | : | **All files used in the web pages.**<br><br>**30 May 2025, Friday 1600HR**<br>Digital submission in Bright Space using File naming convention as follows:<br>CCC1AXX_nnnnnnn_yourname.zip<br>Where CCC is your course name e.g. DIT; 1AXX is your class number e.g. 1A01 and nnnnnnn is your admin number e.g. 2312345. |
| **Late submission after the deadline** | : | **50%** of the marks will be deducted for assignments that are received within **ONE (1)** calendar day after the submission deadline. **No** marks will be given thereafter. Exceptions to this policy will be given to students with valid LOA on medical or compassionate grounds. Students in such cases will need to inform the lecturer as soon as reasonably possible. |

## Learning Outcomes

- Write a simple requirements document for the intended website.

- Demonstrate structures of HTML by building the structure web pages.

- Apply styles to the HTML elements using CSS to beautify the web pages.

- Apply Graphic Design with CSS to support a good user experience.

- Design Page Layout for web content to deliver organized web pages.

## Assignment Theme: Zero-Waste Lifestyle

Focus: Reducing household waste, reusing materials, composting, and mindful consumption.

Structure as follows:

1. **Home Page**
   - Explanation of zero-waste principles (refusing, reducing, reusing, recycling, composting).
   - Statistics on how much garbage the average person produces yearly.
   - Real-world example(s) of successful zero-waste stores or communities.

2. **Personal Aspirations**
   - Outline your own zero-waste goals (e.g., switching to reusable containers, cutting down on single-use plastics, composting food scraps).
   - Reflect on challenges you might face and how you plan to overcome them.

3. **About Me**
   - Introduce who you are: your passion for eco-friendly living, experiences with waste reduction, and favourite "green hacks" you've tried.

## Technical Specifications:

- Write a simple website requirement word document. (Include contents, structure, design and ideas)
- Create a website of **three** web pages (Include the first landing page of your website using file name: **index.html**).
- Fair use of free stock images/photos (must give attribution on source of images in your comments).
- You are allowed to use content provided by SP (must give attribution on source of images in your comments).
- You are not required to add JavaScript in your assignment.
- You are **not allowed** to use content and designs elements from templates or use frameworks like Wordpress, Drupal, Joomla, Wix or any other frameworks.
- Make sure your website can be viewed properly using Google Chrome Browser.
- Your website need not be web-responsive but website must be viewable with screen resolution of 1366x768 or 1920x1080.
- Web Graphics file size should not exceed 800KB (per graphic file).
- All Styling, Layout and Graphic effects should be accessed via external files.
- No fatal errors in validating web pages and CSS styles.

- Add comments in all HTML and CSS files.
- Organization of files (there should be folders to segregate different types of files eg. html, css, graphics files).
- Apply proper file naming convention

## Deliverables:

- Part 1 (Website) – **Deadline 30 May 2025, Friday, 4pm**.

- Part 2 (Interview) – **During FED lesson on Week 11.**
  Your tutor will provide a date and time for you to attend the interview session based on your FED lesson timetable. This is a Face-to-Face interview session. Using your laptop, you will be given around 5-10 minutes to present your website, followed by a Q&A session.

Zip all the relevant files and folders into a single compressed file and name your compressed file using your course name, your class number, your Admin Number and your name:
E.g. DIT1A01_2312345_Peter_Lim.zip and submit it via Bright Space.

## Warning:

Plagiarism means passing off as one's own the ideas, works, writings, etc., which belong to another person. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turning it in as your own, even if you would have the permission of that person.
Plagiarism is a serious offence, and if you are found to have committed, aided, and/or abetted the offence of plagiarism, disciplinary action will be taken against you. If you are guilty of plagiarism, you may fail all modules in the semester, or even be liable for expulsion.

## Marking Scheme:

| 1 | Content and Layout Design | 20% | <ul><li>All content must be user-centric, well-written, accurate, informative, and worth reading for the target audience.</li><li>The web pages should be well-organized.</li><li>It is easy to locate all important elements.</li><li>Website is aesthetically pleasing or attractive.</li></ul> |
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| 2 | HTML coding | 20% | <ul><li>Organize page content with *HTML5* sectioning elements.</li><li>Link to files (using relative paths) within a website and external website.</li><li>Include special characters and images.</li><li>Error-free - validation of website using https://validator.w3.org.</li></ul> |
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| 3 | CSS coding | 30% | <ul><li>Apply text, font style and colours in CSS.</li><li>Use contextual selectors.</li><li>Work with attribute selectors, margins and padding selectors.</li><li>Use pseudo-classes and pseudo-elements.</li><li>Define list styles.</li><li>Page Layout using CSS (Floating elements, Layout grid or CSS Positioning Styles)</li><li>CSS scripts are well-organized.</li><li>CSS scripts are coded optimally, no unused or unnecessary CSS scripts found.</li><li>Error-free - validation of website using (https://jigsaw.w3.org/css-validator/.</li></ul> |
| 4 | Graphic Design with CSS | 20% | <ul><li>Any **five** of the following Graphics Effects:<ul><li>Create a figure box and figure caption</li><li>Add a background image</li><li>Add a border to an element</li><li>Create text or box shadow</li><li>Create linear or radial gradient</li><li>Apply a 2D or 3D transformation</li><li>Apply a CSS filter</li><li>Create an image map</li></ul></li><li>CSS scripts are well-organized</li><li>CSS scripts are coded optimally, no unused or unnecessary CSS scripts found</li><li>(Validation of website using https://validator.w3.org/ and using https://jigsaw.w3.org/css-validator/</li></ul> |
| 5 | General website management | 10% | <ul><li>Each image file size <800KB and source quoted.</li><li>Viewed proper using Chrome, correct screen resolution, Scripting and Styling accessed via external files.</li><li>Comments in all HTML and CSS files.</li><li>Files and folders are well-organized, correct mode of submission (See 'Deliverables and Deadline' in page 1 of this document).</li><li>Apply proper file naming convention.</li></ul> |

-THE END-