

**SINGAPORE POLYTECHNIC
SCHOOL OF COMPUTING**

COMMON INFOCOMM TECHNOLOGY PROGRAMME (Year One)
DIPLOMA IN APPLIED AI AND ANALYTICS (Year One)
DIPLOMA IN INFOCOMM SECURITY MANAGEMENT (Year One)
DIPLOMA IN INFORMATION TECHNOLOGY (Year One)

Module Code	: ST0501
Module Name	: Front-End Web Development
Acad Year/Semester	: 2023/2024 Semester 1
Assignment Title	: CA2 – Interactive Website
Assignment Type	: Individual
Weightage	: 40%
Deliverables & Deadline (what & when)	<p>: All files used in the web pages.</p> <p>Website: Bootstrap, HTML & CSS 07 Aug 2023, Monday, 0900Hr</p> <p>Digital submission in Bright Space using the File naming convention example: CCC_1AXX_nnnnnnn_yourname.zip</p> <p>Where CCC is your course name, eg DIT ; 1AXX is your class number, eg 1A01 and nnnnnnn is your admin number, eg 2312345.</p>
Late submission after the deadline	<p>: 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.</p>

Objectives

- Use of HTML5, CSS3 and Bootstrap framework to create mobile-friendly website.
- Use Javascripts to create interactive web pages.
- Present and explain work done during interview

Assignment Theme: Save the Earth

Refer to details in CA1. You are allowed to use and modify content created in CA1.
In addition, you need to include the following:

- Create at least one responsive table in any of your web page using Bootstrap table classes.
- Design a web form using Bootstrap classes in a new web page to collect user data/get feedback from visitor(You are not required to send data to web server).

Technical Specifications:

- Create a website of **at least four** web pages (include the first landing page of your website using the 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 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.
- Web Graphics file size should not exceed 800KB (per graphic file).
- Scripting and Styling should be accessed via external files.
- No fatal errors found in validating web pages and CSS styles.
- Add comments in all HTML, CSS and Javascripts files.
- Organization of files (there should be folders to segregate different types of files eg. html, css, js, graphics files).
- Apply proper file naming convention

Deliverables

- Part 1 (Website) – **Deadline 07 Aug 2023, Monday, 9am**
- Part 2 (Interview) – **During FED lesson on Week 17 or Week 18**
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 minutes to present your website, followed by a Q&A session.

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	Interview	25%	<ul style="list-style-type: none"> • Organization of Content • Presentation Delivery • Question and Answer
2	Content and Layout Design	10%	<ul style="list-style-type: none"> • All content must be user-centric, well-written, accurate, informative, and worth reading for the target audience. • The web pages should be well-organized. • Good use of space in layout design • It is easy to locate all important elements • Website is aesthetically pleasing or attractive
3	Use of Bootstrap classes	30%	<ul style="list-style-type: none"> • Layout of content responding to three breakpoints: <ul style="list-style-type: none"> ◦ (mobile): display one column layout ◦ (tablet): two column-column layout ◦ (desktop): three columns or more layout • Use of Bootstrap typography • Use of table, rows and columns to display relevant data. • Use of Bootstrap class for form elements, style of form with at least 5 different types of controls/widgets. • Navigation elements using Bootstrap. • Additional features using Bootstrap (eg. Responsive Images, Cards, Carousel, Modal etc)
4	Use of JavaScript	20%	<ul style="list-style-type: none"> • Use Javascript properties and methods • Create Javascript functions • Work with array properties and methods • Work with program loops and/or conditional statements • Able to apply knowledge gain in the tutorials to create interactive features that are authentic and very relevant to the target audience
5	General website management	10%	<ul style="list-style-type: none"> • Each image file size <800KB and source quoted • Viewed proper using Chrome, correct screen resolution, Scripting and Styling accessed via external files • Comments in all HTML, CSS and JavaScript files • Files and folders are well-organized • Apply proper file naming convention
6	Pre Submission	5%	<ul style="list-style-type: none"> • Edit your CA1 to use Bootstrap classes and demo to your Tutor by the stipulated deadline indicated in the Lesson Plan.

-THE END-