# **SINGAPORE POLYTECHNIC**

**SCHOOL OF COMPUTING**

**COMMON INFOCOMM TECHNOLOGY PROGRAMME (Year One)  
DIPLOMA IN INFOCOMM SECURITY MANAGEMENT (Year One)**

**DIPLOMA IN INFORMATION TECHNOLOGY (Year One)**

**DIPLOMA IN APPLIED AI AND ANALYTICS (Year One)**

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| **Module Code** | **:** | ST0501 |
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| **Module Name** | **:** | Front-End Web Development |
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| **Acad Year/Semester** | **:** | 2021/2022 Semester 1 |
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| **Assignment Title** | **:** | CA2 – Interactive Website |
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| **Assignment Type** | **:** | Individual |
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| **Weightage** | **:** | 40% |
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| **Deliverables & Deadline (what & when)** | **:** | **All files used in the web pages.**  Website: Bootstrap, HTML & CSS  **06 Aug 2021, Friday, 11.59pm**  Digital submission in Blackboard (esp.sp.edu.sg) File naming convention example: DIT1A02\_1947442\_LeeYanMeng.zip |
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| **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. |

**Objectives**

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

**Assignment Theme: My Experience in Poly and My Career Prospect**

Refer to details in CA1. You are allowed to use and modify content created in CA1.

**Technical Specifications**:

* Create a website of **five** web pages (include Home page **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 06 Aug 2021, Friday, 11.59pm**
* 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 time-table. 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 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**:

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| 1 | Interview | 30% | * Organization of Content * Presentation Delivery * Question and Answer |
| 2 | Content and Layout Design | 10% | * 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** | 20% | * **Layout of content responding to three breakpoints**:   + (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**. * **Navigation elements** using Bootstrap. * **Additional features** using Bootstrap (eg. Responsive Images, Cards, Carousel, Modal etc) |
| 4 | Use of Javascripts | 20% | * Use Javascript properties and methods (DOM) * 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 | Graphic Design with CSS | 10% | * Any **five** of the following Graphics Effects:   + Create a figure box and figure caption   + Add a background image   + Add a border to an element   + Create text or box shadow   + Create linear or radial gradient   + Apply a 2D or 3D transformation   + Apply a CSS filter   + Create an image map * CSS scripts are well-organized * CSS scripts are coded optimally, no unused or unnecessary CSS scripts found   (Validation of website using <https://validator.w3.org/> and using <https://jigsaw.w3.org/css-validator/> |
| 6 | General website management | 10% | * 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 Javascripts files * Files and folders are well-organized * Apply proper file naming convention |