

**SINGAPORE POLYTECHNIC  
SCHOOL OF COMPUTING**

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

<b>Module Code</b>	: ST0501
<b>Module Name</b>	: Front-End Web Development
<b>Acad Year/Semester</b>	: 2019/2020 Semester 1
<b>Set by</b>	: Janny Chan/Daryl Lim
<b>Assignment Title</b>	: CA2 – Interactive Website
<b>Assignment Type</b>	: Individual
<b>Weightage</b>	: 40%
<b>Deliverables &amp; Deadline (what &amp; when)</b>	<p>All files used in the web pages. Include your website, images(zip) and revised project plan(if any)</p> <p>A word doc named 'references.doc' that list:</p> <ol style="list-style-type: none"><li>1. Plug-ins used and website that you downloaded the plug-ins from</li><li>2. Acknowledgement of websites for any other images or videos used in your website</li></ol> <p>Week 18, 18<sup>th</sup> Aug, Sunday, 2359 hours Digital submission in Blackboard (esp.sp.edu.sg)</p> <p>File naming convention example:</p> <p>DIT1A02_1947442_LeeYanMeng.zip</p>
<b>Late submission after the deadline</b>	: <p><b>50%</b> of the marks will be deducted for assignments that are received within <b>ONE (1)</b> calendar day after the submission deadline. <b>No</b> 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>

# CA2 – Interactive Website

## Overview

Expand on CA1 to create a responsive and interactive website.

You must have a minimum of four well-layout and responsive pages.

Minimal components incorporation includes:

1. JavaScript codes to validate your input data.
  - A validation sequence of non-empty and/or valid fields to make the user return back to the form of error is found. (forms.html).
  - A 'Thank-you' page to acknowledge data is validated. (thankyou.html)
2. Slideshow/Gallery of at least 5 photos that can be interacted.
3. Layout of contents responding to 3 breakpoints:
  - 480px (mobile): display one-column layout
  - 720px (tablet): two column-column layout
  - Above 720px (desktop): three columns or more layout

*All of the editorial content of the site must be well-written, accurate, informative, and worth reading. The web pages should be organized with internal navigation links between the pages.*

## Objectives

Through this assignment, you should be able to:

- Show technical competence on the usage of HTML5 and CSS3.
- Show competent usage of JavaScript for validation and slideshow/photo gallery.
- Show technical competence of using Bootstrap to respond to different viewing platform.

## Important Note:

Your website must not contain anything illegal, pornographic, degrading or abusive to another person, including gambling, as well as pages that promote hate-group propaganda, nor must they provide material that is grossly offensive to any community, including blatant expressions of bigotry, racism, hatred, or profanity, or for promoting or providing instructional information about illegal activities, or promoting physical harm or injury against any group or individual.

The content and design elements of your website must be ORIGINAL. There should be good use of original graphics and pictures created by yourself. Alternatively, you may use license-free, royalty-free, Creative Commons (CC0) images but attribution need to be made.

## Marking Scheme:

1	Layout design using <b>Bootstrap incorporating the three breakpoints</b>	20%	<p>Able to use Bootstrap's grid system to layout and align content.</p> <p>Able to use Bootstrap Table classes.</p> <p>Three breakpoints layout incorporated.</p>
2	Text and graphics display using <b>Bootstrap</b>	20%	<p>Able to use Bootstrap to set global display, typography and link styles.</p> <p>Able to add images to Bootstrap pages and make images responsive.</p> <p>Inclusion of icons</p>
3	Interactivity using <b>Bootstrap</b>	10%	<p>Able to create and style forms and form controls in Bootstrap pages.</p> <p>Able to build standard navigation elements using Bootstraps.</p>
4	JavaScript validation	20%	<p>Display of error fields to allow changes</p> <p>Display of thankyou.html</p>
5	JavaScript photo gallery/slideshow	20%	<p>At least five photos that can be interactive</p>
6	HTML & CSS & general website management	10%	<p>Commenting in the codes.</p> <p>Organization of files (there should be folders to segregate assets and web pages)</p>

Demerit points for the followings:

- Inline and embedded formatting is used extensively.