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| **Student Name** |  | | **Student Number** | |  |
| **Unit Code/s & Name/s** | ICTWEB505 – Develop complex web page layouts  ICTWEB506 – Develop complex cascading style sheets  CUAGRD504 - Create and manipulate graphics | | | | |
| **Assessment Type** | Case Study  Assignment  Portfolio  Other *(specify)* | | | | |
| **Assessment Name** | Single Page App | **Assessment Task No.** | | | 4/4 |
| **Assessment Due Date** |  | **Date submitted** | | |  |
| **Assessor Name** |  | | | | |
| **Student Declaration:** I declare that this assessment is my own work. Any ideas and comments made by other people have been acknowledged as references. I understand that if this statement is found to be false, it will be regarded as misconduct and will be subject to disciplinary action as outlined in the TAFE Queensland Student Rules. I understand that by emailing or submitting this assessment electronically, I agree to this Declaration in lieu of a written signature. | | | | | |
| **Student Signature** |  | | | **Date** |  |
| **PRIVACY DISCLAIMER:** TAFE Queensland is collecting your personal information for assessment purposes. The information will only be accessed by authorised employees of TAFE Queensland. Some of this information may be given to the Australian Skills Quality Authority (ASQA) or its successor and/or TAFE Queensland for audit and/or reporting purposes. Your information will not be given to any other person or agency unless you have given us written permission or we are required by law. | | | | | |

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| **Instructions to Student** | **Learning Support**  Additional support is available to help you achieve your learning goals. Speak to your teacher or a Learning Skills Centre team member if you feel that you may benefit from some extra support. The Institute provides extra support through the Disability Support Unit and the Learning Skills Centre.  RPL (Recognition of Prior Learning) is available for this unit. Speak to your teacher/assessor to check if you qualify for RPL.  **General Instructions:**  Build a mobile only web app on a subject of your own choosing or one allocated to you by your teacher, that both seeks information from the user, and displays lists of that information back.  This design aims to be a prototype that neither sends or receives data with a server, but aims to be a proof of concept prior to client sign-off.  The “App” is to show and hide blocks of content on user click events registered and acted upon by JavaScript code.  The layout technique will be outsourced to the Bootstrap framework. Framework HTML classes will be used, but the student will override the default color/style in a separate, custom CSS file.  Create a iconography with <svg> element in html, drawing each viewable component individually as HTML elements.  The student needs to validate pure XHTML & CSS, describe sources and copyright/licenses of images (if used) and test their work in at least three browsers, including a REAL mobile phone.  NOTE: Criteria (below) form the standards by which the assessment will be graded. Please attend to all in this list to be deemed competent with this assessment.  **Information / Materials provided:**  Internet access for reference material  Web coding software  Browser with development/debugging tools  **Assessment Criteria:**  To achieve a satisfactory result, your assessor will be looking for your ability to demonstrate the following key skills/tasks/knowledge to an acceptable industry standard:    **Number of Attempts:**  You will receive up to two (2) attempts at this assessment task. Should your 1st attempt be unsatisfactory (U), your teacher will provide feedback and discuss the relevant sections / questions with you and will arrange a due date for the submission of your 2nd attempt. If your 2nd submission is unsatisfactory (U), or you fail to submit a 2nd attempt, you will receive an overall unsatisfactory result for this assessment task. Only one re-assessment attempt may be granted for each assessment task. **For more information, refer to the Student Rules.** |
| **Submission details** | *Assessment to be submitted via*   * *TAFE Queensland Learning Management System: Connect url:* [*https://connect.tafeqld.edu.au/d2l/login*](https://connect.tafeqld.edu.au/d2l/login) * *Username; 10 digit student number* * *For Password: Reset password go to* [*https://passwordreset.tafeqld.edu.au/default.aspx*](https://passwordreset.tafeqld.edu.au/default.aspx)*>* |
| **Instructions for the Assessor** |  |
| **Note to Student** | An overview of all Assessment Tasks relevant to this unit is located in the Unit Study Guide. |

# Single Page Web App

All pages for this project are to be merged into the one HTML file, but including external CSS and JS files. Some method must be found to selectively show and hide sections of content as the user clicks on menu items.

ICTWEB505 - Develop complex web page layouts

ICTWEB506 - Develop complex cascading style sheets

CUAGRD504 - Create and manipulate graphics

Most web experiences today contain JavaScript to make them equal to that of fully-fledged computer programs. This assignment focuses only on navigating through 'pages' of content.

Many developers rely on a layout framework to do the heavy lifting in providing a default set of components and behaviours with built-in compatibility for the widest variety of platform.

**PART A - HTML**

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| **Assessment criteria**  **The evidence submitted demonstrates that the student satisfactorily:** | **Attempt 1** | | **Attempt 2** | |
| **S** | **U** | **S** | **U** |
| 1. Four container elements with unique IDs   ok |  |  |  |  |
| 1. Menu system that uniquely shows a single container whilst hiding others   Click A then A open |  |  |  |  |
| 1. Styles in menu that give the user certainty they are on a specific page   Highlighted in somewhere  js |  |  |  |  |
| 1. Layout for mobile resemble the wireframes given |  |  |  |  |
| 1. Deliver css, js and html only, use CDN source to load 3rd party framework   Ok one html |  |  |  |  |
| 1. XHTML implementation using doctype on first line of html   ok |  |  |  |  |

**PART B - CSS**

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| 1. Layout technique using a 3rd party framework (Bootstrap) |  |  |  |  |
| 1. Override framework defaults for three (3) class of elements   Make 3 different boostrap class to style |  |  |  |  |
| 1. Override framework defaults for overall layout at least once   Boostrap use border padding margin |  |  |  |  |
| 1. At least four container elements with three hidden by default   Hiddening elements, remove, set, hidden |  |  |  |  |
| 1. Override framework animation class in one (1) significant way   Boostrap animation(transition) |  |  |  |  |

**PART C - Images**

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| 1. Use of SVG in HTML, for 13 & 14 |  |  |  |  |
| 1. Element separators as SVG html elements |  |  |  |  |
| 1. A custom SVG icon in HTML overlaying at least three (3) basic shapes |  |  |  |  |

**PART D - Validation**

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| 1. Screenshot of W3C Validation of HTML |  |  |  |  |
| 1. Correct Indentation of HTML CSS and JavaScript |  |  |  |  |
| 1. Cross-Browser test three examples including mobile phone |  |  |  |  |
| 1. Accessibility elements: alt tags on images, keyboard shortcuts declared on menu |  |  |  |  |
| 1. All filenames are lowercase, no spaces and an index.html is in the root folder |  |  |  |  |
| 1. Image, CSS, JS folders contain relevant files each should not exceed 1mb |  |  |  |  |

**PART E - Metacognition**

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| 1. Seek feedback from your fellow students on aesthetic and quality of design |  |  |  |  |

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| Student Declaration | I have been provided with instructions about the assessment task to be undertaken. | | | | | |
| Student Signature |  | |  | Check box if this assessment is conducted online. | | |
| **Assessor Feedback:**  **Student provided with feedback** *(check box when completed)* | | | | | | |
| **Attempt 1** | Satisfactory | Unsatisfactory | | | Date | / / |
| **Attempt 2** | Satisfactory | Unsatisfactory | | | Date | / / |
| Assessor Name |  | Assessor Signature | | |  | |
| Note to assessor: Please record any reasonable adjustment that has occurred to this assessment. | | | | | | |
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| **PRIVACY DISCLAIMER:** TAFE Queensland is collecting your personal information for assessment purposes. The information will only be accessed by authorised employees of TAFE Queensland. Some of this information may be given to the Australian Skills Quality Authority (ASQA) or its successor and/or TAFE Queensland for audit and/or reporting purposes. Your information will not be given to any other person or agency unless you have given us written permission or we are required by law. | | | | | | |