# Student Version

| Section A – Course details | | | |
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| **Qualification code:** | ICT50220 | **Qualification title:** | Diploma of Information Technology (Front End Web Development) with Diploma of Information Technology (Back End Web Development) |
| **Subject code:**  **Unit code:** | (DWEB2)  ICTWEB518   ICTICT530  ICTWEB520 | **Subject title:**  **Unit title:** | (Front End Design and Development)  Build a document using extensible markup language  Design user experience solutions  Develop complex cascading style sheets |
| **Department name:** | BDIT, Computing & Information Technology | **CRN number:** |  |

| Section B – Assessment task details | | | |
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| **Assessment number:** | 2 of 2 | **Semester/Year:** | 1/2022 |
| **Due date:** | Session 8 | **Duration of assessment:** | 5 Weeks |
| **Assessment method** | Portfolio | **Assessment task results** | Ungraded result   (Satisfactory or Unsatisfactory) |
| Other: Graded |

| Section C – Instructions to students |
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| **Task instructions:** |
| This assessment task requires the learner to build a front-end web application. The scripts will need to demonstrate object orientated programming techniques and design user experience solutions. The teacher will be playing the role of the client for this assessment task. Learner is to incorporate the following technologies to create the front-end web-based application:   1. React.js 2. Bootstrap (*or an alternate responsive framework, including Tailwind CSS, Tailwind UI, etc.*) 3. SASS 4. CSS3   The website brief requires the learner developer **to design a professional web developer portfolio**. The primary purpose is to create a platform for the web developer to express their technical and creative skills to prospective employers, in the hope of attaining employment in the ICT (and wider) industry. Importantly, the portfolio website must meet the requirements outlined in this project below:  This assessment has been divided into 8 key parts:  Part 1 - Determine Website Strategy, Content & Architecture  Part 2 - Evaluation of the Proposed Project Architecture  Part 3 – Finalise the Website Design Part 4 - Evaluation of Prototype Design Part 5 - Develop the Front-End Web Application  Part 6 - Build Approval and Feedback Part 7 – Website Testing & Debugging Part 8 – Project Outcomes & Sign Off  You are required to upload the evidence to Brightspace.  You are required to correctly provide/answer all questions/tasks as per instructions and assessment criteria to a satisfactory level for each question/task of this assessment to be given a satisfactory result by the assessor. If this is not achieved on the first attempt, then an opportunity to resubmit is allowed.  REFER TO SUPPORTING DOCUMENTS FOR DETAILED INSTRUCTIONS |

| Section D – Conditions for assessment | |
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| **Conditions:**  Student to complete and attach Assessment Submission Cover Sheet to the completed Assessment Task.  - This is an individual assessment. - Discuss with your assessor if you feel you require special consideration or adjustment for this task. - Any options for negotiating assessment tasks.  - Students must meet all criteria listed in the marking guide to be satisfactory in this task. - Students may resubmit this task if not successful within the enrolment period as per Holmesglen conducting  assessment procedure. - This assessment is open book - The learner may use the internet for research. - You are expected to dedicate time to developing this assessment task both in and out of the classroom. - Development tools should include but are not limited to; Brackets.io or Visual Studio Code, Chrome or Fire Fox  (You have access to these tools in labs or they can be downloaded). - You must submit; All required working files, documentation and any other assets that you feel may be required in a zipped file. - This Assessment task must be uploaded to Brightspace along with a complete and signed coversheet.  - This is an individual task. However, you are required to get information, feedback and ideas from your assessor, peers and industry to help complete the assessment planning guide.  - It is expected all documents will be completed and submitted electronically but if this is not possible, make alternative arrangements for submitting the documents with your assessor. - You will have the opportunity to resubmit if any part of the assessment is deemed unsatisfactory (one resubmit allowed per task). - You can appeal an assessment decision according to the Holmesglen Assessment Complaints and Appeals Procedure. - If you feel you require special allowance or adjustment to this task, please discuss with your assessor within one week of commencing this assessment. | |
| **Equipment/resources students must supply:** | **Equipment/resources to be provided by the RTO:** |
| Student attending LIVE remote sessions must have access  to:  A Mac or PC/laptop with the following minimum specification:  Quad Core CPU  • 8GB of RAM  • CPU with minimum 2GHz processor or faster • 200GB of Storage Monitor 24" (PC only, dual monitor optional but preferred) Access to internet connection (ADSL or cable connection desirable)  Applications: • WebEx - free to download • Headphone with microphone • Webcam (optional) • Microsoft Word - access through Holmesglen MyHorizon  • Visual Studio https://code.visualstudio.com/ – free to download • Node.js https://nodejs.org/en/– free to download • Figma or alternative design tool – free to download • GitHub https://github.com – free to download • Local server • 7Zip or an equivalent compression utility - free to download • Google Chrome – recommended web browser – free to download • OneDrive or google drive/dropbox account for storage – free to download | A Mac or PC/laptop with the following minimum specification:  Quad Core CPU  • 8GB of RAM  • CPU with minimum 2GHz processor or faster • 200GB of Storage Monitor 24" (PC only, dual monitor optional but preferred) Access to internet connection (ADSL or cable connection desirable)  Applications: • WebEx - free to download • Headphone with microphone • Webcam (optional) • Microsoft Word - access through Holmesglen MyHorizon  • Visual Studio https://code.visualstudio.com/ – free to download • Node.js https://nodejs.org/en/– free to download • Figma or alternative design tool – free to download • GitHub https://github.com – free to download • Local server • 7Zip or an equivalent compression utility - free to download • Google Chrome – recommended web browser – free to download • OneDrive or google drive/dropbox account for storage – free to download |

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| Section E – Marking Sheet - Student Answer Sheet | | | |
| **Subject code:**  **Unit code**: | (DWEB2)  ICTWEB518   ICTICT530  ICTWEB520 | **Subject title:**  **Unit title:** | (Front End Design and Development)  Build a document using extensible markup language  Design user experience solutions  Develop complex cascading style sheets |

**Portfolio task**

| **Criteria for assessment** | | | **Satisfactory** | | | | **Comment** | |
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| **Yes** | | **No** | |
| **The following has been submitted for assessment:** | | | | | | | | |
| The Assessment 2 Sheet has been submitted | | | |  | |  | |  |
| All working portfolio files have been submitted | | | |  | |  | |  |
| **Marking criteria: Part 1 - Determine Website Strategy, Content & Architecture** Assessment Documentation/Working files | | | | | | | | |
| 1. | Learner has confirmed the website build type & defined the strategic goal(s) to be achieved by the website | |  | |  | |  | |
| 2. | Learner has selected and listed all required client-side technologies and frameworks for creating the UI | |  | |  | |  | |
| 3. | Learner has selected and listed all required development tools | |  | |  | |  | |
| 4. | Learner has reviewed the brief requirements and confirmed the business, legislative and organisational standards the project must adhere to | |  | |  | |  | |
| 5. | Learner has researched comparative websites to aid the planning process and provided screenshots of at least TWO (2) two different websites | |  | |  | |  | |
| 6. | Learner has researched & used user-case analysis to determine **at least THREE (3)** different user group “personas” that will likely visit the website | |  | |  | |  | |
| 7. | Based on findings in Questions 5 & 6, learner has developed at least ONE (1) sitemap, to confirm the main sections of content for the website and its’ flow | |  | |  | |  | |
| 8. | Learner has developed at least ONE (1) wireframe layout design for the website UI that meets the client’s requirements outlined in the brief | |  | |  | |  | |
| **Part 2 – Evaluation of the Proposed Project Architecture** | | | | | | | | |
| 1. | The learner has identified and confirmed with the client about the organisation’s policies, standards and procedures to build the front-end web application using the technologies discussed in the brief | |  | |  | |  | |
| 2. | The learner has researched comparative industry solutions to assist planning, website ideation & problem solving | |  | |  | |  | |
| 3. | The learner has confirmed techniques used to plan & visualise the architecture of the web application, with reference to the use-case research conducted | |  | |  | |  | |
| 4. | The learner has reviewed & discussed the sitemap & wireframe UI design with the facilitator, and implemented improvements, where advised | |  | |  | |  | |
| 5. | The learner has reviewed the project brief and confirmed the best solution and their understanding of the project with the facilitator | |  | |  | |  | |
| **Marking criteria:**  **Part 3 – Plan & Finalise Website Design** Assessment Documentation/Working files | | | | | | | | |
| 1. | Learner has documented the findings and feedback received from the facilitator client from Part 2 (list at least THREE (3) points).  Further, in accordance with the brief & organizational requirements, learner has listed at least TWO (2) opportunities for improvement. | |  | |  | |  | |
| 2. | Learner has designed a Style Guide for the website, to confirm consistent UI & UX. | |  | |  | |  | |
| 3. | Based on the wireframe, learner has designed the final UI layout & structure prototype using the appropriate software package. | |  | |  | |  | |
| **Part 4 – Evaluation of Prototype Design** | | | | | | | | |
| 1. | Learner has successfully presented the final UI & UX solution to the facilitator client | |  | |  | |  | |
| 2. | The learner has reviewed the user style requirements in accordance with the client brief | |  | |  | |  | |
| 3. | The learner has received confirmation from the facilitator client to move forward with the design in accordance with UX principles, onto the build phase | |  | |  | |  | |
| **Marking criteria:**  **Part 5 -** **Develop the Front-End Web Application** Assessment Documentation/Working files | | | | | | | | |
| 1. | Learner has confirmed the front-end library used to build the architecture of the website | |  | |  | |  | |
| 2. | The learner has confirmed the layout of the website has been built as follows:   * Use of class-based or functional components * Incorporation of a Home Page and TWO additional pages OR sections * Use of different routes to route to different endpoints using React-router-dom module * Use of External links (i.e social media) * Implementation of error pages or responses | |  | |  | |  | |
| 3. | The learner has confirmed the complex style sheet system used with the website | |  | |  | |  | |
| 4. | The learner has confirmed that the website has been styled using the following basic & advanced CSS techniques:   * Use responsive framework such as Bootstrap * Style, layout and position document elements of webpage using advanced CSS techniques such as SASS * Advanced SASS techniques have been used including variables, nesting & modules | |  | |  | |  | |
| **Part 6 – Build Approval and Feedback** | | | | | | | | |
| 1. | | Learner has confirmed the React project (XML document) has met the purpose, expectations and the functionality required by the brief | |  | |  | |  |
| 2. | | Learner has completed, and reflected on, the initial build of the website in accordance with the architecture and design methodologies identified in Parts 1 to 4. | |  | |  | |  |
| **Marking criteria:**  **Part 7 –** **Website Testing & Debugging**  Assessment Documentation/Working files | | | | | | | | |
| 1. | Learner has listed at least TWO (2) debugging tools that can be utilised by the web application | |  | |  | |  | |
| 2. | The learner has tested the website in two different browsers & two difference devices, recorded the result and made any necessary corrections | |  | |  | |  | |
| 3. | Learner has tested the client website and recorded the results.  The learner has designed at least FIVE tests, each providing the (i) test conducted, (ii) expected output of the test, (iii) success / failure and (iv) comments on test result and debugging. | |  | |  | |  | |
| **Marking criteria:**  **Part 8 –** **Project Outcomes & Sign Off**  Assessment Documentation/Working files | | | | | | | | |
| 0. | Learner has confirmed the website meets all business, legislative and organisational standards the project must adhere to in the brief | |  | |  | |  | |
| 1. | Learner analysed the test results & updated the website (React & XML) in accordance with the test outcomes & feedback received from the client | |  | |  | |  | |
| 2. | Learner has finalised the website and ensured that they have met all the client and user requirements | |  | |  | |  | |
| 3. | Learner has presented and reviewed the solution with the client, documented the work according to brief requirements & achieved formal sign off | |  | |  | |  | |

# Assessment Submission Cover Sheet (VET)

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| **Student declaration** | |  |
| By submitting this assessment task and signing the below, I acknowledge and agree that:   1. This completed assessment task is my own work. 2. I understand the serious nature of plagiarism and I am aware of the penalties that exist for breaching this. 3. I have kept a copy of this assessment task. 4. The assessor may provide a copy of this assessment task to another member of the Institute for validation and/or benchmarking purposes. | | |
| **Submission or observation date:** | **16/03/2022** | |
| **Student signature**  For electronic submissions: By typing your name in the student signature field, you are accepting the above declaration. | **Arran Wilson** | |

| Assessment Results and Feedback to Student | | | | | | |
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| **Assessment Task Result:** | | | | **Satisfactory** | | **Not Satisfactory** |
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| **Assessor’s Feedback:** | | | | | | |
|  | | | | | | |
| **Resubmission allowed:** | **Yes** | **No** | **Resubmission due date:** | |  | |
| **Assessor name:** |  | | | | | |
| **Assessor signature:** |  | | | | | |
| **Assessed date:** |  | | | | | |

**Supporting document**

# Project Brief and Instructions

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| **Subject code:**  **Unit code**: | (DWEB2)  ICTWEB518   ICTICT530  ICTWEB520 | **Subject title:**  **Unit title:** | (Front End Design and Development)  Build a document using extensible markup language  Design user experience solutions  Develop complex cascading style sheets |

**Portfolio task**

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| **Project Brief** Read through the brief below take note of the needs and requirements outlined in the brief. |
| **Introduction**  This assessment task requires the learner to build a front-end web application. The scripts will need to demonstrate object orientated programming techniques and design user experience solutions. The teacher will be playing the role of the client for this assessment task. Learner is to incorporate the following technologies to create the front-end web-based application:   1. React.js 2. Bootstrap (*or an alternate responsive framework, including Tailwind CSS, Tailwind UI, etc.*) 3. SASS 4. CSS3   The website brief requires the learner developer **to design a professional web developer portfolio**. The primary purpose is to create a platform for the web developer to express their technical and creative skills to prospective employers, in the hope of attaining employment in the ICT (and wider) industry. Importantly, the portfolio website must meet the requirements outlined in this project below:  This assessment has been divided into 8 key parts:  Part 1 - Determine Website Strategy, Content & Architecture  Part 2 - Evaluation of the Proposed Project Architecture  Part 3 – Finalise the Website Design Part 4 - Evaluation of Prototype Design Part 5 - Develop the Front-End Web Application  Part 6 - Build Approval and Feedback Part 7 – Website Testing & Debugging Part 8 – Project Outcomes & Sign Off  **General requirements**   * Use React JSlibrary to create the basic layout for the website. * Use class-based or functional components * Incorporation of a Home Page and TWO additional pages OR sections * Style, layout and position document elements of webpage using advanced CSS techniques such as SASS * Use different routes to route to different endpoints using React-router-dom module * Use responsive framework such as Bootstrap or Tailwind CSS * External links (such as to social media or developer hubs) * Error pages or responses must be created and implemented   **Coding standards and maintainability**  All code should be commented clearly   * **Classes and Modules** - A descriptive overview should be provided for each class and script as a comment at the top of the file. Details about any parent classes should be documented at the top of the file. * **Methods** -The purpose of each method should be documented as a comment. * **Parameters** - The purpose of each parameter should be documented as a comment.   **Other Important Standards**   * HTML Standards must be adhered to wherever possible * CSS Standards must be adhered to wherever possible * HTML accessibility standards as required by W3C * Copyright laws to be observed pursuant to the *Copyright Act 1968* (Cth) * Privacy & cyber security laws to be observed pursuant to *Privacy Act 1988* (Cth) & Australian Privacy Principles (APPs)   **Technical Requirements**   * HTML5 & CSS3 * JavaScript * React.js * SASS * Code editor such as Visual Studio Code * A responsive framework such as Bootstrap or Tailwind CSS |

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| **Part 1 - Determine Website Strategy, Content & Architecture** *Based on the information you have gathered from the brief complete the following:* | | | | | | |
| **Question / Criteria** | | | **Answer / Satisfactory Response** | | | |
| 1. Confirm the website build type & define the strategic goal(s) to be achieved by the website | | | This websites build type is personal  My goal with this project is to showcase my wed design abilities to potential employers, helping them decide whether I’m a good fit for their team. | | | |
| 1. Select and list all required client-side technologies and frameworks for creating the UI | | | *To build this site I will use Vs code, Figma, react, sass., photoshop and brave browser.* | | | |
| 1. Select and list all required development tools. | | | *React, HTML, sass, css* | | | |
| 1. Review the brief requirements and confirm the business, legislative and organisational standards the project must adhere to | | | *< Refer to brief & state required standards >* | | | |
| 1. Research comparative websites to aid the planning process and provide screenshots of **at least TWO (2)** two different websites | | | [*https://exp-gemini.lusion.co/*](https://exp-gemini.lusion.co/)  *this website is insane..*  *something to aspire too*    *Apple.com*  *Simple and clean with some flashy animations.*    [*https://lynnandtonic.com/*](https://lynnandtonic.com/)  *beautiful site. I liked her old one better but this one is still cool.* | | | |
| 1. Through brainstorming, research & use of user-case analysis – determine **at least THREE (3)** different user group “personas” that will likely visit your website | | | * *Employers* * *Other web developers* * *students* | | | |
| 1. Based on your findings in Questions 5 & 6, develop **ONE (1)** sitemap, to confirm the main sections of content for your website and its’ flow | | |  | | | |
| 1. Develop **at least ONE (1)** wireframe layout design for the website UI that meets the client’s requirements outlined in the brief | | | | | | |
|  | | | | | | |
| **Part 2 - Evaluation of the Proposed Project Architecture** *Before moving forward learners will need to organize a meeting with their facilitator to obtain approval and feedback before moving on. The following check list is to be complete by the facilitator. You will need to discuss your software architecture and designs with your facilitator, in addition to other related questions, to confirm you have correctly interpreted the brief.* | | | | | | |
| **Checklist (To be completed by the learner’s facilitator)** | | | | | **Yes** | **No** |
| 1. The learner has identified and confirmed with the client about the organisation’s policies, standards and procedures to build the front-end web application using the technologies discussed in the brief | | | | | *Yes* |  |
| 1. The learner has researched comparative industry solutions to assist planning, website ideation & problem solving | | | | | *Yes* |  |
| 1. The learner has confirmed techniques used to plan & visualise the architecture of the web application, with reference to the use-case research conducted | | | | | *Yes* |  |
| 1. The learner has reviewed & discussed the sitemap & wireframe UI design with the facilitator, and implemented improvements, where advised | | | | | *Yes* |  |
| 1. The learner has reviewed the project brief and confirmed the best solution and their understanding of the project with the facilitator | | | | | *Yes* |  |
| **Assessor Name** | *Alex Bicknell* | **Assessor Signature** | *Alex Bicknell* | **Date** | *09/03/22* | |

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| **Part 3 – Finalise the Website Design**  *Based on your feedback in respect of your software architecture & design, complete the following:* | | | | | | |
| 1. Document the findings and feedback received from the facilitator client from Part 2 (**list at least THREE (3) points**).   Further, in accordance with the brief & organisational requirements, **list at least TWO (2)** opportunities for improvement. | | | *Feedback:*   * *Make sure build hits all the points of the rubric* * *Approach in parts* * *Looking good!*   *TWO opportunities for improvement:*   * *I can improve the background art (current is placeholder)* * *I could add a moon cycle animation!* | | | |
| 1. Complementary to the wireframe developed in Part 1, design a Style Guide for the website, to confirm consistent UI & UX.   **Provide** **ONE (1)** screenshot of the UI Mood Board to confirm the style guide | | |  | | | |
| 1. Based on all previous website architecture and design planning stages, design the final UI layout & structure prototype using the appropriate software package.   **Provide ONE (1)** screenshot of the Website Prototype to confirm planning outcome | | | | | | |
| *< Ins* | | | | | | |
| **Part 4 – Evaluation of Prototype Design**  *Before moving forward learners will need to organize a meeting with their facilitator to obtain approval and feedback before moving on. The following check list is to be complete by the facilitator. You will need to discuss your software architecture and designs with your facilitator, in addition to other related questions, to confirm you have correctly interpreted the brief.* | | | | | | |
| **Checklist (To be completed by the learner’s facilitator)** | | | | | **Yes** | **No** |
| 1. The learner has successfully presented the final UI & UX solution to the facilitator client | | | | | *Yes* |  |
| 1. The learner has reviewed the user style requirements in accordance with the client brief | | | | | *Yes* |  |
| 1. The learner has received confirmation from the facilitator client to move forward with the design in accordance with UX principles, onto the build phase | | | | | *Yes* |  |
| **Assessor Name** | *Alex Bicknell* | **Assessor Signature** | *Alex Bicknell* | **Date** | *09/03/22* | |

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| **Part 5 – Develop the Front-End Web Application**  Assessment Documentation & Working files | | | | | | | | |
| ***Preamble***  *It is now time to begin developing your chosen website. Ensure your build aligns with client requirements & design methodologies completed in Parts 1 to 4.*  *Adhering to your design specification, you are now required to collate all of the information from Parts 1-4 and manufacture an end product – your final website build. The idea should outline the basic feel of the design and how you will convey core concepts.* | | | | | | | | |
| **Question / Criteria** | | | **Complete / Not Complete** | | **Evidence of Completion** | | | |
| 1. Confirm the front-end library used to build the architecture of the website | | |  | | *react* | | | |
| 1. **Confirm the layout of the website has been built as follows:** | | | | | | | | |
| 1. Use of class-based or functional components | | |  | | *src/App.js*    const handleBackgroundPlay = () => {      if(backgroundPlay === "paused"){setBackgroundPlay("running")        setTimeout(function() {setBackgroundPlay("paused")}, 2500)}        if (backgroundPlay === "running"){          setBackgroundPlay("running")        }    } | | | |
| 1. Incorporation of a Home Page and TWO additional pages OR sections | | |  | | *Done!* | | | |
| 1. Use of different routes to route to different endpoints using *react-router-dom* module | | |  | | *src/App.js*        <Routes>          <Route path="\*" element={<PageNotFound />} />          <Route path="/" element={          <CurrentPage             NavigateTo={NavigateTo}             handleMobileMenu={handleMobileMenu}             handleLlamaPlay={handleLlamaPlay}             handleBackgroundPlay={handleBackgroundPlay}             mobileMenu={mobileMenu}             pageIndex={pageIndex}             visible={visible}             transition={transition}          />} />        </Routes> | | | |
| 1. Use of external links (*E.G. social media, GitHub page, etc.)* | | |  | | <a href="https://github.com/ajwilson12" rel='noreferrer' target="\_blank" ><img src={githubIcon} alt="githubIcon" /><p>GitHub</p></a>  *Src/components/CurrentPage.jsx* | | | |
| 1. Implementation of error pages or responses | | |  | | *404 error.*  *Navigate to an incorrect endpoint to view error* | | | |
| 1. Confirm the complex style sheet system used with the website | | |  | | *Sass. Used on the PageNotFound page.*  *(comment: I started this project before we began learning about scss, therefore the only page which uses it is the error page. I really like scss and will include it in further projects, unfortunately due to the complex nature of this project combined with time constraints, I was unable to incorporate scss into this project as much as I’d like too.)* | | | |
| 1. **Confirm the website has been styled using the following basic & advanced CSS techniques:** | | | | | | | | |
| 1. Use responsive framework such as Bootstrap | | |  | | *React bootstrap.*  import Button from 'react-bootstrap/Button'   <Button variant="primary"><p>Back</p></Button>  *The react bootstrap button is included on the 404 error page. the @import for the bootstrap stylesheet has been commented out of the main.scss file due to conflicting styles. Nothing site breaking, it just adds a little padding here and there which I could do without.*  *If you would like to see the bootstrap styles on the button just uncomment the @import line in main.scss* | | | |
| 1. Style, layout and position document elements of webpage using advanced CSS techniques such as SASS | | |  | | Done | | | |
| 1. Advanced SASS techniques have been used including variables, nesting & modules | | |  | | .pageNotFound {    height: 100vh;    width: 100vw;    display: flex;    z-index: 100;    flex-direction: column;    position: absolute;    justify-content: center;    text-align: center;    h1 {      color: $headingColor;    }    p {      margin: 0;      padding: 0 10px;    }  }  *src/sass/main.scss*  *In this example I have used sass nesting and a variable for the color* | | | |
| **Part 6 – Build Approval and Feedback**  *Before moving forward learners will need to organize a meeting with their facilitator to obtain approval and feedback before moving on. The following check list is to be complete by the facilitator. You will need to discuss your software architecture and designs with your facilitator, in addition to other related questions, to confirm you have correctly interpreted the brief.* | | | | | | | | |
| **Checklist (To be completed by the learner’s facilitator)** | | | | | | | **Yes** | **No** |
| 1. Learner has confirmed the React project (XML document) has met the purpose, expectations and the functionality required by the brief | | | | | | | *Yes* |  |
| 1. Learner has completed, and reflected on, the initial build of the website in accordance with the architecture and design methodologies identified in Parts 1 to 4. | | | | | | | *Yes* |  |
| **Assessor Name** | *Alex Bicknell* | **Assessor Signature** | | *Alex bickneill* | | **Date** | *16/03/22* | |

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| **Part 7 – Website Testing & Debugging** Based on the information you have gathered from the brief complete the following: | | | | |
| **Question / Criteria** | | **Answer / Satisfactory Response** | | |
| 1. List at least **TWO** **(2)** debugging tools that can be utilised by your web application | | *React dev tools extension*  *console.log()* | | |
| 1. The learner has tested the website in two different browsers & two difference devices, recorded the result and made any necessary corrections   You must include **TWO** **(2)** screenshots for each browser, correctly displaying the website. | | *< Screenshot of Browser Test BRAVE BROSWER >*    *< Screenshot of Browser Test EDGE BROWSER>* | | |
| 1. Test the client website and record the results. You will need to **design at least FIVE tests**, each providing the **(i)** test conducted, **(ii)** expected output of the test, **(iii)** success / failure and **(iv)** comments on test result and debugging/fixes implemented.   **The first four tests to be conducted have been designed for you:** | | | | |
| **Test Design** | **Expected Output** | **Correct Function** | | **Comment on Test** |
| **Yes** | **No** |
| 1. **Test:** That the websites internal and/or external links (to other websites) function as required   (*Refer to P4 Q6*) | *Expect new page / website to appear in a new tab as soon as the link is clicked in the Navbar / Home page* |  |  | All links worked as expected |
| 1. **Test:** That the SASS files have been written correctly and compiles to a functional .css file | *Expect when the .scss is recompiled, the styling entered into the SASS files are rendered onto the application, in accordance with design specifications* |  |  | Sass compiled to css successfully |
| 1. **Test:** That the areas of the website dedicated to the “Employer” user group, functions in the manner required by that user | *Expect when the “user” clicks on the links to GitHub, CodePen & Email, all provide correct working links* |  |  | Links to github work as expected |
| 1. **Test:** That a 404 Error Page displays when a user navigates to an undefined route and the error stack is provided to the developer in terminal | *Expect when user navigates to undefined route, to render the custom routed 404 page (see NotFound.jsx)* |  |  | 404 page is displayed when unknown path is requested |
| 1. **Test:** animation plays on mouse wheel | Llama and background animation loop plays on mouse wheel event |  |  | Animation plays as expected |

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| **Part 8 - Project Outcomes & Sign Off** *You will need to organize a time with your facilitator to review your final solution for the project.*  *Assessment Documentation/Working files* | | | | | | |
| **Checklist (To be completed by the learner’s facilitator)** | | | | | **Yes** | **No** |
| 1. Learner has confirmed the website meets all business, legislative and organisational standards the project must adhere to in the brief | | | | | *Yes* |  |
| 1. Learner analysed the test results & updated the website (React & XML) in accordance with the test outcomes & feedback received from the client | | | | | *Yes* |  |
| 1. Learner has finalised the website and ensured that they have met all the client and user requirements | | | | | *Yes* |  |
| 1. Learner has presented and reviewed the solution with the client, documented the work according to brief requirements & achieved formal sign off | | | | | *Yes* |  |
| **Assessor Name** | *Alex Bicknell* | **Assessor Signature** | *Alex Bicknell* | **Date** | *16/03/22* | |