

513 final submission:

- (1) Written questions
- (2) Dynamic website (Loca's Loaves)
- (3) Video

Part 1 written questions. Write answer to [ICTWEB513 Project Portfolio3.docx](#), save your document as PDF file, upload pdf. Copy section 1 to 3 answer to online text.

Part 2. Website

Save your website under this folder (htdocs/513), create default page as "index.php". Make sure your website meets all requirements such as CRUS, login and shopping cart. A website template must be used to contain and display all web pages. Do not exit this website template.

CRUD customer table: (1) at least 6 fields for customer table (2) include a field "password". Password can be saved in plain text or hashed characters (3) one of the field names should be "namexxx", if your English name is Mary, and last 3 digit of your student ID is "345". This field will be "Mary345". The value of this field can be customer alias or customer's English name. (4) Additional field name "username" can be added to this table, or you can adopt user email as login username.

Your login must distinguish between admin user and normal customer. CRUD page will be displayed for admin users. Normal users will be directed to the shopping cart page. Successful login is needed before placing shopping cart order.

Use your English name to name your database like "Jone" or "Mary".

Create a new user named "namexxx" **without password**, replace xxx with the last 3 digits of your student ID. Replace "name" with your English name. Do not set password for this new user "studentxxx". This user should have full access privilege to above database..

Export your "studentxxx" database as both SQL and CSV files. Upload these files to Moodle.

Part 3. Video

A video will be submitted to demonstrates your website's functional features. Requirements for the video: (1) clear sound, voice and image. Record in 1080 resolution, MP4 format. (2) both presenter and website are clearly visible in the video. Do not record this video with your mobile phone camera. (3) Record presenter video and desktop screen with ClipChamp, Microsoft Game Bar or a similar screen casting software. You are not allowed to share a computer with your friends or roommates.

Your video should follow this sequence: (1) self-introduction. Display your IP, Mac address and device name (System->About), pause video for 3 seconds (2) objectives (3) display each webpage (4) login and logout function (5) CRUD for admin login (6) shopping cart for Locus Loaves (login is required) (7) header and footer (8) database with necessary changes like new user and rename your database. (9) coding with comments

Submission 1 (upload to Moodle): (1) copy section 1 to 3 to online text (2) save your written answers to " [ICTWEB513 Project Portfolio3.docx](#)", including all necessary appendix such as captured screenshots. Save this file as 513_project_English_name.pdf (2) one zip file of your website (2) database files (sql or CSV format)

Submission 2 (upload your video to yun.139.com, save your video in 1080 resolution, do not save in 4k)

Name your video as “513_PinYin Name_English Name.mp4”, upload to the respective links.

Links for IT21_A1:

<http://yun.139.com/m/#/invitation?type=1&msgId=9bbf3bafb36041568169ef5c4943a0b5>

Links for IT21_A2:

<http://yun.139.com/m/#/invitation?type=1&msgId=142ba58bd6d24651828fd0e8795ca2e2>

Additional notes to Part 1 written questions:

(you must submit the following table)

Student name:	
Assessor:	
Date:	
Documentation reviewed as preparation:	

Section 1 is to plan and design your website. Section 2 is to code and implement your website. Section 3 is to test functionality of your website.

Section 1: Dynamic website building preparation (**Align your answer with respective question.**)

<p>(1) Legislation, standards and procedures</p> <p><i>Identify:</i></p> <ul style="list-style-type: none">· <i>One applicable legislation and its relevance to dynamic website development (Australia context)</i>· <i>Two applicable programming (PHP) standards and its relevance to dynamic website development (list and number at least 3)</i>· <i>The procedures that you will follow to develop your dynamic website. (list 4)</i>	<p>Answer:</p> <p>Answer:</p> <p>Answer:</p>
<p>(2) Dynamic website</p> <p>(refer to simulation pack)</p>	

<p>Describe the dynamic website you are going to design and develop, including:</p> <ul style="list-style-type: none"> · <i>purpose</i> · <i>expectations for the document</i> · <i>required functionality. (at least 4)</i> 	<p>Answer:</p> <p>Answer:</p> <p>Answer:</p>
<p>(3) User interface design requirements, including user needs, design principles and operating systems</p> <p>Based on the business' requirements, analyse and then describe:</p> <ul style="list-style-type: none"> · <i>user interface design requirements for the dynamic website (list and number at least 4 requirements)</i> · <i>user needs – list at least three.</i> · <i>design principles – list at least three</i> 	<p>Answer:</p> <p>Answer:</p> <p>Answer:</p>

<p>operating systems - indicate the system that will be used for web hosting. (including webserver, database, and server operating system)</p>	<p>Answer:</p>
<p>(4) Hierarchy</p> <p>Provide a diagram of the hierarchy for the website. This can be hand drawn here or developed using software in which case you should attach a screenshot.</p> <p>Developed this hierarchy in Figma. Insert screenshot to a PDF document and provide link to Figma file: _____ Your hierarchy should also provide the navigation bar (menu) for the website.</p>	<p>Answer: provide site map as one appendix (see appendix x for answer)</p> <p>Answer: provide Figma link and insert webpage screenshots as appendix X. (see appendix x for webpage screenshot). Insert screenshots to the end of this section. List your screenshots with appropriate headings like "append x : Hierarchy screenshots".</p>
<p>User interface prototype</p> <p>Provide a diagram of the user interface website. This cannot be hand drawn here and must be developed using software (Figma) in which case you should insert screenshot to your pdf file and provide link to your Figma wireframe including pictures and contents.</p>	<p>Explain how you develop the prototype and provide link to your Figma prototype. Capture screenshots of your prototype as one appendix (see appendix x for webpage screenshot, prototype screenshots should line to clickable buttons) Provide link to your prototype. This link can be the same or different from the above question.</p>
<p>Website architecture</p> <p>Determine and document the website architecture including:</p> <p>technical requirements, for example, server, storage,</p>	<p>Answer: (technical requirements)</p>

<p>memory and communication interfaces</p> <ul style="list-style-type: none"> · <i>Functional aspects including the type of services or processes the dynamic website will provide.</i> · <i>Visual appearance of the website, for example, colours, buttons and other visual design elements.</i> · <i>Security parameters i.e. how the website will ensure secure access control and transactions.</i> 	<p>Answer: (<i>Functional aspects</i>)</p> <p>Answer:</p> <p>Answer:</p>
<p>Data storage</p> <p>Explain how the data collected through the website will be stored?</p>	<p>Answer: (provide the implemented database connection, method and sample php codes to create the db connection. Explain this db connection)</p>

Section 2: Dynamic website development

<p>(1) Dynamic website development</p> <p><i>You are to develop the dynamic website you have planned.</i></p> <p><i>Save your website to a folder, zip the folder, upload to Moodle.</i></p> <p><i>Take screenshots of your website, and insert screenshot of each page to a pdf file, upload this pdf to Moodle.</i></p> <p><i>Answer each question. Copy your question and answer. Past to online text and PDF file.</i></p>	<p>(create a folder under htdocs, name the folder as 513, save your website under 513. Zip the folder and upload to Moodle)</p> <p>(2) Answer: take screenshots of each webpage. Append each page to the end of this document, name these screenshot as "appendix X: Dynamic website development".</p>
<p>(3) Styling</p>	<p>Capture screenshots of your CSS styles. List at least 7 styles. Comment on these CSS styles.</p>

<p>You are to style your dynamic documents using the software you have selected.</p> <p>Summarise the details of your styling work here. List at least 7 improvements to CSS.</p> <p>Take 2 screenshots of your work to attach to your portfolio. Including annotations to improvements.</p>	
<p>(4) Testing</p> <p>You are to test each component of the website that you have developed. Describe the testing process for each component here.</p> <p>Number and list your testing procedures.</p>	<p>Answer: sample testing like</p> <ul style="list-style-type: none"> • Functionality • Usability • Cookies
<p>(5) Integration</p> <p>You are to integrate all components to produce the final product.</p> <p>Describe the integration process here.</p> <p>Take screenshots of your work to attach to your portfolio. For instance, before and after db integration.</p>	<p>Answer: this is the testing process for each component such as database testing, CRUD testing, login testing and webpage testing. Number at least 3 testing process here. For instance, you can test database with Sqlite before integration. Interface may be another test, make sure users know how to navigate your website.</p> <p>Take at least 3 screenshots to demonstrate your test, label your screens with appropriate notation and label. For instance you can say, more of the user understand how to navigate your web page because of the navigation bar, and you attach screenshot of this interface with screen notation.</p> <p>Insert screenshots to end of this section. List your screenshots with appropriate heading like append x : integration screenshots.</p>
Attach:	Screenshots <input type="checkbox"/>

Section 3: Dynamic website testing and finalisation

<p>(1)Testing</p> <p>You are to test the website you have developed and check it meets the business' requirements. (2 test)</p>	<p>Answer: list at least 4 business requirements.</p> <p>Explain how your website can assist these business requirements. The screenshot can be speed test, website loading test. Since your website is not hosted in public domain. Complete this question with 2 screenshots and explain how you are going to conduct the test. Other business environment test may include: performance testing, compliance testing, reliability testing, and business logic testing.</p>
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<p>List and describe the tests you have undertaken.</p> <p>Take annotated screenshots of your work to attach to your portfolio (PDF file)</p>	
<p>(6) Security</p> <p>You are check the website to ensure it is secure.</p> <p>List and describe the tests you have undertaken to ensure security. (List and describe at least 3 features to safeguard your website)</p> <p>The tests should also follow procedures for cyber security. Describe how you have ensured you follow procedures. (number at least 3 procedures)</p> <p>Take annotated screenshots of your work to attach to your portfolio</p>	<p>Answer: (suggest 2 security test)</p> <p>Sample security test may include:</p> <ul style="list-style-type: none"> • Network Scanning • Vulnerability Scanning • Password Cracking • Log Review • Integrity Checkers • Virus Detection <p>Write 3 processes and capture screenshots of your test. You can conduct this test with commercial testing software.</p> <p>(label your screenshots with appropriate heading and title such as "appendix x: security screenshots".</p>
<p>(7) Debugging</p> <p>You are check the website to ensure it is bug free.</p> <p>Describe the validation process you undertook to ensure that there are no errors.</p> <p>The tests should also follow procedures for cyber security.</p>	<p>Answer: Your screenshots can be few coding pages from VSCode and similar editor. Make sure no error message is displayed. Attach 2 screenshots with appropriate notation. Insert your screen to the end of this section and label them with heading and title, such as "appendix x: Debugging Screenshots".</p>

<p><i>Describe how you have ensured you follow procedures.</i></p> <p><i>Take annotated screenshots of your work to attach to your portfolio</i></p>	<p>Answer: (describe the procedures to safeguard the website)</p> <p>Answer: (take screenshots of the tools, techniques and procedures, describe them here and insert the screenshots to PDF)</p>
<p>(8) Browser and devices</p> <p><i>You are to test that your dynamic website work on:</i></p> <ul style="list-style-type: none"> <i>Two different types of browsers</i> <i>Two different types of devices</i> <p><i>List the two browsers you tested your dynamic website on and the two devices.</i></p> <p><i>Take annotated screenshots of your work to attach to your portfolio</i></p>	<p>Answer: 2 browser such as chrome and MS Edge</p> <p>Answer: 2 devices such as mobile and desktop PC</p> <p>Append your testing screenshot to the end of this section. Label your screenshots with appropriate heading.</p>
<p>(6)Feedback</p> <p><i>Document an email to your assessor here, asking for feedback on your final dynamic website.</i></p> <p><i>Provide the link to your website.</i></p>	<p>Answer (3 feedback)</p> <p>Dear Assessor</p> <p>Please find the link to my website in the attached zip file. The special features of my website are:</p> <p>Future improvement:...</p> <p>I look forward to hearing from you.</p> <p>Thanks Student.</p>
<p>Update</p> <p><i>Describe the feedback you received from your assessor here.</i></p> <p><i>Explain how you updated the website based on this feedback.</i></p> <p><i>Provide a link to the finalised dynamic website.</i></p>	<p>The student must document 3 feedback they received from the assessor (your teacher) and provide improvement based on the feedback, see feedback from your previous assignments</p> <p>Answer (feedback):</p> <p>Answer: (improvement and update)</p>

Attach:	Include <i>annotated</i> Screenshots (write on your screenshot to number testing procedures or indicate changes)	<input type="checkbox"/>
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Sample Website Hierarchy Diagram (link: <https://www.edrawsoft.com/website-hierarchy-diagram.html>)

