Section 3: Dynamic website development  (Based on "Luca’s Loaves")

(Do not simply copy and paste answer from internet.)

Question 1:  Testing

*You are to test the website you have developed and check it meets the business’ requirements.*

*List and describe the tests you have undertaken.*

*Take screenshots of your work to attach to your portfolio; design a user test script of at least 7 steps and a test case.*

Answer:

We used UI tests,

1. Test whether our user pages have a uniform style;

2. Whether the size of each page is consistent; The same LOGO image is displayed in each page to show whether the size is the same; Whether the page and image are displayed in the center, and whether the title of each page is correct;

3. Prompts, warnings or error descriptions should be clear and easy to understand, use accurate words, and avoid ambiguous words;

4. Whether the style of each page reduction is consistent;

5. Whether the navigation is displayed according to the corresponding level of the column; whether the navigation text appears on the same line;

6. Adjust the resolution to verify whether there are errors in the page style;

7. The size of the button is basically similar, avoid using too long a name, so as not to occupy too much page space.

Question 2:Security

*You are checking the website to ensure its security.*

*List and describe the tests you have undertaken to ensure security.*

*The tests should also follow procedures for cyber security. Describe how you have ensured you follow procedures.*

*Take screenshots of your work to attach to your portfolio.  For instance, https, using a secured browser, VPN, using virtual machine and explain social engineering.*

Answer:

We will do input validation:

A. Whether the entry point is clear

B. Whether the trust boundary is clear

C. Whether to validate web page input

D. Whether to validate the parameters passed to the component or web service

E. Whether to validate the data retrieved from the database

F. Whether to centralize methods

G. Whether client-side authentication is dependent

H. Whether the application is vulnerable to SQL injection attacks

I.Whether the application is vulnerable to XSS attacks  
We will verify how to authorize:

A. How to authorize end users

B. How to authorize the application in the database

C. How to limit access to system-level resources

We will verify the registration and login:

A. Valid and invalid user names and passwords must be tested

B. Pay attention to whether there is case sensitivity,

C. Limit on how many times it can be tried

D. Is it possible to browse a certain page without logging in, etc.

After conducting these security tests, we ensured the security of the website we developed, following the cybersecurity procedures.

Question 3: Debugging

*You are check the website to ensure it is bug free.*

*Describe the validation process you undertook to ensure that there are no errors.*

*The tests should also follow procedures for cyber security. Describe how you have ensured you follow procedures.*

*suggest debugging software and procedures to remove bugs.  What is a bug, explain.*

*Take screenshots of your work to attach to your portfolio*

Answer:  
We used loadrunner to test our website, eliminate errors that occur on our website, and make the website work properly and safely.

Common mistakes are,

1. When turning the page, repeatedly request the data of the first page when loading;

2. When turning the page, the content without pictures will sometimes refer to the content with pictures;

3. When the picture data is empty, it will be left as the empty data location;

4. When the link is empty, click on the image and the page will be refreshed;

5. The whole page appears blank;

6. When there is too much text content, the page layout will be out of order;

Wait a minute.

Question 4: Browser and devices

*You are to test that your dynamic website work on:*

·        *Two different types of browsers*

·        *Two different types of devices*

*List the two browsers you tested your dynamic website on and the two devices.*

*Take screenshots of your work to attach to your portfolio*

Question 5:  Feedback

*Document an email to your assessor here, asking for feedback on your final dynamic website.  Your email should describe website functionality, advantages, user friendliness, and future improvements.  Then ask your assessor to comment on your website.*

*Provide the link to your website.*  
  
Answer:   
  
  
Question 6: Update

*Describe the feedback you received from your assessor here.*

*Explain how you updated the website based on this feedback.*

*Provide a link to the finalised dynamic website.*  
Answer:  
  
Submission:  
(1) Copy and paste to online text, both answers and questions  
(2) Embed captured screenshots to online text