Note: Four documents must be created for the exam.

1. **Iterative Development Process:** This includes the development process of the website, SQL database, and PHP code.
2. **Asset Log of code, images, and any other content** used from external sources. This must include the source of the asset(link) what it's being used for and when you access the asset. Remember **you can only take small snippets** of code from an external source.
3. **Test Log:** Each version of a web page, SQL database and PHP code must be tested. See the Iterative development framework below.
4. **Code:** Copy all your code this includes: each webpage with the name of the webpage at the top of the page; each php page with the name of the page at the top. SQL database structure for each table, with each table clearly labelled. Save as PDF and txt file.

**Iterative Development Framework**

**Website Development Version Control**

**Page One Version 1**

|  |  |
| --- | --- |
| **Screen Shot of Page** | **Comment on what needs to be changed** |
|  |  |

**Testing Log**

***Examples of tests you can use in your test log for version one home page.***

1. ***does the webpage load***
2. ***does the navigation show and is it in the correct location***
3. ***Does hover over work on the navigation***
4. ***Are the images in the correct place***
5. ***IS the font correct and is it an accessible font***
6. ***Is the colour scheme correct and is it accessible***
7. ***IS the page accessible for those with a visual impairment***
8. ***IS the page grammar and punctuation correct on the page***
9. ***Is the content appropriate for the target audience***
10. ***Is the page branded as you would like.***

**Discussion on Change**

Based on the testing above make comments on what you are going to change

Comment how the website that you have created differs from the original design

Note: any code used from third-party or repositories used and where and why it was used

**Page One Version 2 (repeat the process)**

|  |  |
| --- | --- |
| **Screen Shot of Page/Code** | **Comment on what needs to be changed** |
|  |  |

**Testing-***Repeat the tests you feel appropriate showing clearly in the test log that this is now testing for version 2 of the home page.*

Then comment on any changes to the second version based on testing

Comment on how this change is differs from the design

Repeat this process until you are happy with page one.

Then repeat the process again for each of your website pages.

**PHP Development Version Control**

**Register PHP Version 1**

|  |  |
| --- | --- |
| **Screen Shot of Page/Code** | **Comment on what needs to be changed** |
|  |  |

***Test log***

***Examples of tests you can use in your test log for version one home page.***

1. ***Does the web server read the PHP code ie No 500 error?***
2. ***Is there are any lines of code that error, copy the error into your test log. Discuss how you are going to fix it. Make the change, check it works, and show the change you made to make it work.***
3. ***Check the functionality of the code, does it prevent duplicate usernames?***
4. ***Check the security of the code, does it hash the password?***
5. ***Check the security of the code, are inputs from the user placed into variables and not directly into the SQL statements.***
6. ***Check the security of the code, are statements prepared before being executed.***
7. ***Check the functionality of the code, for example: does it post the correct information to the database?***
8. ***Does the dashboard open when registration is successful?***
9. ***Does it show a message if the registration is not successful.***

**Discussion on Change**

Based on the testing above make comments on what you are going to change

Comment on how the PHP page that you have created differs from the original algorithmic design (your flowcharts)

Note: any code used from third-party, or repositories used and where and why it was used

**PHP Registration Version 2 (repeat the process)**

|  |  |
| --- | --- |
| **Screen Shot of Page/Code** | **Comment on what needs to be changed** |
|  |  |

**Testing-***Repeat the tests you feel appropriate showing clearly in the test log that this is now testing for version 2 of the home page.*

Then comment on any changes to the second version based on testing

Comment on how this change differs from the design

**Repeat this process until you are happy** with the Register Page.

Then **repeat the process again for each of your PHP pages**.

**SQL Version Control**

Record any changes to database tables each clearly showing the different versions. This includes your first version of each table even if no changes are made