**UNIT TESTING: FORUM**

**Description of how to Run test cases:**

Below is the description of the individual test cases. Attached with the forum test case is the unit\_testingdatabase\_code.sql code and a unitTesting folder. Since this test case involves storing user replies and topics a database needs to be queued and checked to see if the replies are being stored properly. To do this one needs to create a database entitled forum. After one has to load the sample tables code into a database in order to generate the tables which is inside the unit\_testingdatabase\_code.sql file. This can be done by copying and pasting the code in the file to a SQL compiler. After, one has to place the unit testing folder in the HTC docs of a local host or in a folder of a domain that can run on a server like apache. After, the tester will be loaded with a sample primitive registration and login form. Once this is complete the user will be able to test individual sample scripts such as topic and account. The database will then be queued with the correct results and various unit test case confirmation messages will be displayed on the screen. Simply by following the various instructions involving prescribed results. Each individual test case can be confirmed or denied accordingly. Also, every time a piece of information is loaded from a user database a confirmation message will be displayed appearing for the number of replies stored or things such as topics posted. A simple local host like xampp can be used in accordance with phpmyadmin can be used to verify the results or other related materials.

**Unit Test 1: Account Page**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | A user will select the account tab from the menu bar and the user’s personalized account will show up including their profile pick and personal information. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |

**Unit Test 2: Home Page**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | Once a user enters the homepage they will have the ability to view the topics their views and when and by who they were posted as well as an ability to select a topic. When the topic is selected the user will be redirected to the topic page. If there are no topics a no topics message will be displayed. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |

**Unit Test 3: Members Page**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | A user will select the members tab from the menu bar and be directed to the member’s page. When a user selects a member they user will be directed to the member they selected profile. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |

**Unit Test 4: Post Function**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | A user will type the name of their topic in the first text box followed by the content in the second. The user will then select “post”. The user will then see their topic, views, creator name and date posted on the home page. The post will then be stored into the forum database in the topics table. The post will give an error message if the content doesn’t meet a ten character length. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |

**Unit Test 5: REPLY Function**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | While on a specific forum topic a user will select reply. The user will then be redirected to a page where they can enter their reply. They will post their reply in a text box by clicking “reply” and after they will be redirected to their topic page with their reply visible under the topic. The reply will then be stored in a reply table in the forum database. The reply will give an error message if the content doesn’t meet a ten character length. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |

**Unit Test 6: Topic Page**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | A user will select a topic from the homepage of the forum and be redirected to the topic followed by the replies of all the previous users. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |

**Unit Test 7: Profile Function**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Results** | **PASS** | **FAIL** |
| **Expected**  **Result** | A user will select their email from the member bar and be redirected to their public accessible profile page. The user will then be directed to a screen containing their profile pic and personal information. | **X** |  |
| **Actual**  **Result** | Same as expected. |  |  |