**Test Plan**

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Test Type & Test Type ID: White Box - 04

**Requirement Addressed**

Assess the updated logic for login and signup attempts, ensuring seamless integration with the MongoDB database.

**Objective**

To ensure that the login and signup functionalities operate correctly with the new database integration, maintaining data integrity and security.

**Test cases**

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| --- | --- | --- | --- | --- | --- |
| **Description** | **Input field** | **Input value** | **Expected Output** | **Actual Output** | **Pass/Fail** |
| Ensure that the login attempt correctly validates user credentials against the database. | attempt\_login() | User credentials | * Background changes according to the action taken. * UI updates to reflect the selected background. |  |  |
| Verify that the signup attempt correctly handles new user registration and checks for existing user IDs. | attempt\_signup() | New user credentials | * Background changes according to the action taken. * UI updates to reflect the selected background. |  |  |
| Ensure that the login attempt interacts correctly with the MongoDB database to retrieve user data. | find\_one() | User credentials | * Correct database query execution. * Accurate retrieval of user data for valid credentials. |  |  |
| Verify that the signup attempt interacts correctly with the MongoDB database to insert new user data. | find\_one() | New user credentials | * Correct database query execution. * Successful insertion of new user data for valid inputs. |  |  |
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