

User Acceptance Testing

Feature 1: Registration

Specific Test Cases:

- User should be able to register with new credentials
- User registration fails when the user provides a username that already exists within the users table of the database
- User registration fails when the user provides a password within the confirm password field that is different from the password within the password field
- The form provides the user with specific feedback regarding the error

Acceptance Criteria:

- The user's credentials do not already exist in the users table within the database
- A user cannot submit a form without completing all of the mandatory fields, including:
 - Username
 - Email Address
 - Password
 - Confirm Password
- Information from the form is stored in the users table in the database
- A duplicate username will result in an error message to the user stating that the username already exists
- Mismatching password fields will result in an error message to the user stating that the username already exists
- Attempting to submit a form without all of the mandatory fields will result in an error message to the user stating that the username already exists

Test Data Description:

- Test data will be composed of site feedback and database entries, particularly...
 1. Successful or failed registration entries of user credentials into the users table
 2. User interface error messages describing the issue the user is facing if registration fails

Test Environment Description:

- The test environment will be controlled, with specific instructions provided to the tester.
 1. The tester will be presented with the "Register" page.
 2. The tester will be provided with a specific set of information to enter into the registration form, and a specific set of instructions to follow.
 3. The tester will be asked to enter the set of information provided into the corresponding fields of the registration form. The first set of information will include a duplicate username.
 4. The tester will then be asked to enter a second set of information, which includes a unique username, but password and confirm password credentials that do not match.
 5. Finally, the tester will then be asked to enter a third set of information into the tables, which includes a unique username and password and confirm password credentials which match.

6. The user will then be asked about their experience with the test.

Test Results Description:

- Test results will pass if...
 1. When the user enters the credentials with the duplicate username, they receive an error informing them of such
 2. When the user enters the credentials with the unique username but mismatching passwords, they receive an error informing them of such
 3. When the user enters the credentials with the unique username and matching passwords, they receive a message stating their registration was successful, and the database reflects a successful registration
 4. The user was not confused regarding the site's response during any portion of testing

User Acceptance Testers:

- For each feature's testing, two team members will each select one feature to test. Each team member will individually test their feature with someone they know who falls within the expected audience of Quizletics. The team members will then compare their returned data with that of the other team member testing the same feature.

Feature 2: Login

Specific Test Cases:

- User should be able to login with existing credentials
- User login fails when the user enters an incorrect username-password pair
- The form provides the user with specific feedback regarding the error

Acceptance Criteria:

- The user's credentials already exist within the users table in the database
- When the user inputs incorrect credentials, they are not logged in and instead presented with an error message informing them of such
- When the user inputs correct credentials, they are logged in and redirected to the home page

Test Data Description:

- Test data will be composed of site feedback, particularly...
 1. User interface error messages describing the issue the user is facing if login fails
 2. Redirection to the home page upon successfully logging in

Test Environment Description:

- The test environment will be controlled, with specific instructions provided to the tester.
 1. The tester will be presented with the "Log In" page.
 2. The tester will be provided with a specific set of information to enter into the registration form, and a specific set of instructions to follow.
 3. The tester will be asked to enter the set of information provided into the corresponding fields of the login form. The first set of information will include a set of incorrect credentials.

4. The tester will then be asked to enter a second set of information, which includes a correct set of login credentials.
5. The user will then be asked about their experience with the test.

Test Results Description:

- Test results will pass if...
 1. When the user enters the incorrect credentials with the duplicate username, they receive an error informing them of such
 2. When the user enters the correct credentials, they are logged in to the account and redirected to the home page
 3. The user was not confused regarding the site's response during any portion of testing

User Acceptance Testers:

- For each feature's testing, two team members will each select one feature to test. Each team member will individually test their feature with someone they know who falls within the expected audience of Quizletics. The team members will then compare their returned data with that of the other team member testing the same feature.

Feature 3: Quiz Page

Specific Test Cases:

- Users should be directed to the appropriate quiz upon selecting one from the list of quizzes
- Users should be presented with questions and appropriate answers in multiple choice fashion
- Users should be able to select an answer, where it automatically submits
- Upon finishing all questions, the user should be presented with a summary of their score and any changes made to their profile stats

Acceptance Criteria:

- The quiz users take corresponds with the one selected within the list
- Each quiz question presents the user with the question, one correct answer, and three incorrect answers listed in a randomized fashion.
- Selecting any answer automatically submits it
- Upon finishing the quiz, users are presented with an accurate summary of their score and profile changes reflected in real time
- The changes to the user's profile are reflected in the users table

Test Data Description:

- Test data will be composed of site feedback and database entries, particularly...
 1. Successful redirection to correct quiz
 2. Successful presentation of quiz questions
 3. Successful submission of quiz answers
 4. Successful and accurate showcase of user score and updated profile stats
 5. Successful alteration to users table within the database with new stats

Test Environment Description:

- The test environment will be controlled, with specific instructions provided to the tester.

1. The tester will be presented with the “Quiz List” page.
2. The tester will be asked to select a quiz from the list.
3. The tester will be instructed to take the quiz as they see fit.
4. The tester will then be asked about their experience with the test.

Test Results Description:

- Test results will pass if...
 1. The user is directed to the quiz page corresponding to the quiz they selected on the quiz list
 2. Each quiz question presents the user with the question, one correct answer, and three incorrect answers listed in a randomized fashion.
 3. The users answer is submitted upon selecting an answer
 4. Upon completing the quiz, the user is presented with their results and updates to their profile
 5. The users table in the database is updated with the player’s new stats
 6. The user was not confused regarding the site’s response during any portion of testing

User Acceptance Testers:

- For each feature’s testing, two team members will each select one feature to test. Each team member will individually test their feature with someone they know who falls within the expected audience of Quizletics. The team members will then compare their returned data with that of the other team member testing the same feature.