

Test Case 1:

Login/Register

Steps:

1. Create User schema
2. Get data from form to store in database
3. Send tokens to be cached for user session
4. Authenticate user based on presence of valid token

Verification:

1. User is redirected to home page on successful login/registration.
2. User is displayed an error on failure to authenticate.

Test Case 2:

Posting Questions

Steps:

1. Create a table for questions in the database
2. Get data from form to store in database
3. Sort questions by date in descending order

4. Set foreign key point for replies

Verification:

1. ~~Replies~~ Questions posted are visible immediately on top in descending order.
2. User is displayed an error if a question failed to send.

Test Case 3:

Posting Replies

Steps:

1. Create a table for replies in the database
2. Get data from form to store in database
3. Each form must pass appropriate foreign key id for respective question
4. Sort replies by date/time in descending order.

Verification:

1. Replies posted are visible immediately on top of a scrollable interface of a question and only the replies belonging to the appropriate question are visible.
2. User is displayed an error if a ~~question~~ ^{reply} failed to send.

Test Case 4 :

Viewing Profiles

Steps :

1. Collect data stored in Users tables
2. Receive data and perform calculations to set milestone achievement states
3. Display statistics and accolades based on milestone achievement states
4. Create search bar to view profile by username.

Verifications :

1. On selecting user, information and accolades are displayed.
2. Information and accolades are accurate as per data stored in database
3. User is displayed error on failure to receive data from database.