Test Plan and Report

Product Name: MoCode
Team Name: MoCoders
Release Date: March 12, 2024

System Test Scenarios

Relevant User Stories

- As a returning user, I need the ability to view my previously attempted questions and receive new recommendations, so I can continue my practice seamlessly.
- As a user, I would like to see my progress and statistics in order to check improvement over time.

Scenarios

Scenario 1: Creating an Account **PASS**
1. Go to the MoCode website
2. Click the "Sign in with Google" button
3. Select a Google Account to sign in with
4. If new user, type in the LeetCode username
    Leetcode username: <leetcode username>
5. User should be logged in, and see the profile screen, which displays their email and leetcode username

Scenario 2: Get new recommended questions **PASS**
1. Go to the MoCode website
2. Go to the User Dashboard Page
3. Click the "Recommend" Button
4. Users should see the generation of three new problems.

Scenario 3: Complete a LeetCode problem and mark it complete **PASS**
1. Go to the MoCode website
2. Sign in with Google
3. Go to the User Dashboard Page
4. Choose a problem to start
    Click the "play" button to start the problem
    Check that the timer starts
5. Mark the problem complete on the User Dashboard Page
6. Check Submission History to see that the problem submission was recorded

Scenario 4: Mark leetcode problem as Incomplete **PASS**

1. Go to the MoCode website
2. Sign in with Google
3. Go to the User Dashboard Page
4. Navigate to the first problem and click the yellow incomplete button
5. The problem should disappear, and a new problem should be generated
6. In submission history, a problem that was marked incomplete should be available with a yellow image on the side to show that is incomplete

Scenario 5: Edit profile   **PASS**
1. Go to the MoCode website
2. Sign in with Google
3. Go to the profile page
4. Click the blue "Edit Profile" button
5. Change the name to "test test"
6. Click the green save changes button
7. The new name should be "test test" on the profile screen
8. Reload to confirm changes, should still be "test test"

Scenario 6: User Logs Out and Logs Back In With Different Account   **PASS**
1. Go to the MoCode website
2. Sign in with Google (1st account)
3. Go to the profile page
4. Click the blue "Log Out" button
5. Sign with Google (2nd account)
6. New profile page should show 2nd account information

All unit tests are in src and are titled in the format: "name.test.js"