

## **SoluLab Assessment R1 – QA Intern**

**1. What are the different use cases you could think about to test Ola/Uber's live tracking screen? Just consider this use case – as a user, you have requested a ride, the driver has accepted, and you can see the driver's live tracking on your screen. Please consider all test cases that you can think about for this one live tracing screen.**

### **Test Cases**

**a. Initial State**

When the driver accepts the ride, the map loads correctly. The initial location of the driver is accurately displayed on the map.

**b. Live Tracking**

In real time as the driver moves the location of driver updates accordingly. The driver's route to the pickup location is correctly displayed. Estimated arrival time updates accordingly as the driver moves.

**c. Driver Information**

Driver's information correctly displayed like name, vehicle details, photo.

**d. Route Details**

The map updates if the user changes its route. Also updates the user's location if he/she will move.

**e. Map**

Users can zoom in and zoom out on the map to see routes properly. The map does not stop live tracking.

**f. Network Issues**

Display appropriate message during network loss. When the user loses their internet connection and can reconnect again.

**g. Data Privacy**

The user's data must be secured. No unauthorized access to location data is possible. The app does not ask for unnecessary permissions.

h. **Load**

The map and live tracking updates are smooth without lagging. Battery consumption is within the acceptable range.

i. **Interface**

It is easy to understand and clearly visible. It should be scaled correctly on different devices. Supports different languages (local languages).

j. **Background Feature**

Switching between apps or when the app is running in the background should be done smoothly.

k. **Edge Cases**

Test the behavior when the driver is stationary for an extended period. Should be perform well when the driver takes an unexpected route.

**2. Can you provide written user stories with acceptance criteria for sign up, log in, and forgot password flow? Please include social sign up as well as regular email sign up here.**

### **User Story: Sign Up**

As a new user, I want to sign up using my email so that I can create an account and access the app.

#### **Acceptance Criteria:**

- When the user goes to the sign-up page, they should see a form with fields for their first name, last name, email, and password.
- The user should be able to fill out the form and click the "Sign Up" button to submit it.
- The system needs to check that all the fields are filled out correctly and that the email is in a proper format.
- The password should meet the security requirements (like being at least 8 characters long and containing both letters and numbers).
- If the email is already in use, the user should get a message telling them to log in instead.
- Once the form is submitted successfully, the user should get a confirmation email with a verification link.
- When the user clicks the verification link, their account should be activated.
- After verifying their email, the user should be automatically logged in and taken to the main dashboard.
- If there's an error during sign-up, the user should see the relevant error message.

### **User Story: Log In**

As a registered user, I want to log in using my email and password so that I can access my account.

#### **Acceptance Criteria:**

- On the login page, the user should see a form with fields for email and password.
- The user should be able to fill out the form and click the "Log In" button to submit it.
- The system should check that both fields are filled out.
- The system should verify that the email is registered, and the password matches the stored password.
- If the login details are correct, the user should be logged in and taken to the main dashboard.
- If the login details are incorrect, the user should see an appropriate error message.
- There should be an option for the user to view and hide their password while typing.
- The user should also have options to log in using their Google or Facebook accounts.

Clicking on these options should redirect the user to the respective social media login page, and upon successful authentication, the user should be logged in and taken to the main dashboard.

## **User Story: Forgot Password**

As a user who has forgotten my password, I want to reset my password so that I can regain access to my account.

### **Acceptance Criteria:**

- On the login page, the user should see a "Forgot Password" link.
- Clicking this link should take the user to a password reset request form with an email field.
- The user should be able to enter their registered email and click the "Submit" button.
- The system should check if the email is registered and send a password reset email with a reset link if it is.
- The reset link should take the user to a form where they can enter a new password.
- The new password should be validated to meet the security requirements.
- The user should be able to submit the new password by clicking the "Reset Password" button.

- After successfully resetting their password, the user should get a confirmation message and be able to log in with the new password.
- If the email isn't registered, the user should see an appropriate error message.
- The password reset link should expire after a certain period (like 24 hours) for security reasons.

## **User Story: Sign Up (Social)**

As a new user, I want to sign up using my social media account (Google or Facebook) so that I can quickly create an account without filling out my details.

### **Acceptance Criteria:**

- On the sign-up page, the user should see options to sign up with Google or Facebook.
- Clicking on one of these options should redirect the user to the respective social media login page.
- The user should be able to log in to their social media account and grant permission to share their profile information.
- The app should use this information to create a new account for the user.
- If the social media account is already linked to an existing user, the user should be logged in and taken to the main dashboard.
- If the social media account is not linked, a new account should be created, and the user should be taken to the main dashboard.
- If there's an error (like the user denying permissions or authentication failing), an appropriate error message should be shown.