

## **Streakify**

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### **1. SignUpView Test Scenarios**

#### **Scenario 1: Sign Up with Valid Details (Pass/Fail)**

1. Start the app and navigate to the Sign-Up view.
2. Enter the following details:
  - Name: "John Doe"
  - Username: "johndoe"
  - Email: "john.doe@example.com"
  - Password: "Pass1234"
  - Confirm Password: "Pass1234"
3. Press the "Sign Up" button.
4. Expected outcome: The user should be signed up successfully, and the view should be transitioned to the main page or login page.

#### **Scenario 2: Sign Up with Mismatched Passwords (Pass/Fail)**

1. Start the app and navigate to the Sign-Up view.
2. Enter the following details:
  - Name: "Jane Doe"
  - Username: "janedoe"
  - Email: "jane.doe@example.com"
  - Password: "Pass1234"
  - Confirm Password: "Pass5678"
3. Press the "Sign Up" button.
4. Expected outcome: The sign up process should fail, and an error message should be displayed indicating the passwords do not match.

### **2. LoginView Test Scenarios**

#### **Scenario 1: Login with Valid Credentials (Pass/Fail)**

1. Start the app and navigate to the Login view.
2. Enter the following details:
  - Username: "johndoe"
  - Password: "Pass1234"
3. Press the "Login" button.
4. Expected outcome: The user should be logged in successfully, and the view should transition to the main page.

#### **Scenario 2: Login with Invalid Credentials (Pass/Fail)**

1. Start the app and navigate to the Login view.
2. Enter the following details:
  - Username: "johndoe"
  - Password: "WrongPass"
3. Press the "Login" button.

4. Expected outcome: The login should fail, and an error message should be displayed indicating invalid credentials.

### **3. AddHabitView Test Scenarios**

#### **Scenario 1: Add Habit with Valid Details (Pass/Fail)**

1. Start the app and navigate to the Add Habit view.
2. Enter the following details:
  - Habit Name: "Exercise"
  - Description: "Daily exercise"
  - Total Days: "30"
3. Press the "Add Habit" button.
4. Expected outcome: The habit should be added successfully, and the view should transition back to the habit list.

#### **Scenario 2: Add Habit with Empty Name (Pass/Fail)**

1. Start the app and navigate to the Add Habit view.
2. Enter the following details:
  - Habit Name: ""
  - Description: "Daily exercise"
  - Total Days: "30"
3. Press the "Add Habit" button.
4. Expected outcome: The habit should not be added, and an error message should be displayed indicating the habit name cannot be empty.

### **4. EditHabitView Test Scenarios**

#### **Scenario 1: Edit Habit with Valid Details (Pass/Fail)**

1. Start the app and navigate to the Edit Habit view for an existing habit.
2. Modify the following details:
  - Habit Name: "Yoga"
  - Description: "Daily yoga practice"
  - Total Days: "60"
3. Press the "Save Changes" button.
4. Expected outcome: The habit should be updated successfully, and the view should transition back to the habit list.

#### **Scenario 2: Edit Habit with Empty Name (Pass/Fail)**

1. Start the app and navigate to the Edit Habit view for an existing habit.
2. Modify the following details:
  - Habit Name: ""
  - Description: "Daily yoga practice"
  - Total Days: "60"
3. Press the "Save Changes" button.
4. Expected outcome: The habit should not be updated, and an error message should be displayed indicating the habit name cannot be empty.

## 5. DeleteHabitView Test Scenarios

### Scenario 1: Delete Existing Habit (Pass/Fail)

1. Start the app and navigate to the habit list view.
2. Select an existing habit and press the "Delete" button.
3. Expected outcome: The habit should be deleted successfully, and the habit list should be updated to reflect the deletion.

### Scenario 2: Delete Non-Existing Habit (Pass/Fail)

1. Start the app and navigate to the habit list view.
2. Attempt to delete a habit that does not exist in the list.
3. Expected outcome: The deletion should fail gracefully, and the habit list should remain unchanged.

### Scenario: Full End-to-End User Flow (Pass/Fail)

#### User Stories:

- **User-Registration:** As a user, I want to register an account so that my data is personalized and secure.
- **User-Log In:** As a user, I want to log in to my account so that I can access my personal data.
- **Add Habit:** As a user, I want to add a new habit so that I can track a new goal.
- **Edit Habit:** As a user, I want to edit a habit to update my goals.
- **Delete Habit:** As a user, I want to delete a habit that I no longer wish to track.

#### Steps:

1. **Sign Up** (Pass/Fail)
  - Open the Sign-Up view.
  - Fill in the name as "John Doe".
  - Fill in the username as "johndoe".
  - Fill in the email as "john.doe@example.com".
  - Fill in the password as "Pass1234".
  - Confirm the password as "Pass1234".
  - Click the "Sign Up" button.
  - Verify that the user is created successfully and no error message is shown.
2. **Log In** (Pass/Fail)
  - Open the Log-In view.
  - Fill in the username as "johndoe".
  - Fill in the password as "Pass1234".
  - Click the "Login" button.
  - Verify that the user is logged in successfully and no error message is shown.
3. **Add Habit** (Pass/Fail)
  - Open the Add Habit view.
  - Fill in the habit name as "Exercise".

- Fill in the habit description as "Daily exercise".
- Fill in the total duration as "30".
- Click the "Add Habit" button.
- Verify that the habit is added successfully and appears in the habit list.
- 4. **Edit Habit** (Pass/Fail)
  - Open the Edit Habit view for the "Exercise" habit.
  - Change the habit name to "Yoga".
  - Change the habit description to "Daily yoga practice".
  - Change the total duration to "60".
  - Click the "Save Changes" button.
  - Verify that the habit is updated successfully and reflects the new details.
- 5. **Delete Habit** (Pass/Fail)
  - Swipe left on the "Yoga" habit and click the "Delete" button.
  - Verify that the habit is deleted successfully and no longer appears in the habit list.
- 6. **Sign Out** (Pass/Fail)
  - Sign out from the application.
  - Verify that the user session is cleared.
- 7. **Log Back In** (Pass/Fail)
  - Open the Log-In view.
  - Fill in the username as "johndoe".
  - Fill in the password as "Pass1234".
  - Click the "Login" button.
  - Verify that the user is logged in successfully and no error message is shown.
  - Verify that no habits exist after logging back in.
- 8. **Add Another Habit** (Pass/Fail)
  - Open the Add Habit view.
  - Fill in the habit name as "Reading".
  - Fill in the habit description as "Daily reading".
  - Fill in the total duration as "15".
  - Click the "Add Habit" button.
  - Verify that the habit is added successfully and appears in the habit list.
- 9. **Sign Out** (Pass/Fail)
  - Sign out from the application.
  - Verify that the user session is cleared.
- 10. **Log Back In** (Pass/Fail)
  - Open the Log-In view.
  - Fill in the username as "johndoe".
  - Fill in the password as "Pass1234".
  - Click the "Login" button.
  - Verify that the user is logged in successfully and no error message is shown.
  - Verify that the "Reading" habit exists after logging back in.

#### Test Execution Results

Scenario	Expected Outcome	Actual Outcome	Pass/Fail
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Sign Up with Valid Details	User signed up successfully		P
Sign Up with Mismatched Passwords	Sign-up fails, error message displayed		P
Login with Valid Credentials	User logged in successfully		P
Login with Invalid Credentials	Login fails, error message displayed		P
Add Habit with Valid Details	Habit added successfully		P
Add Habit with Empty Name	Habit not added, error message displayed		P
Edit Habit with Valid Details	Habit updated successfully		P
Edit Habit with Empty Name	Habit not updated, error message displayed		P
Delete Existing Habit	Habit deleted successfully		P
Delete Non-Existing Habit	Deletion fails gracefully, habit list unchanged		P
End-to-End Test All Components	User should be able to signup, login, add habit, delete habit, sign out, sign in, and see the habits in the same state		P