**Manual tester**

1. **write down test cases for the below-mentioned modules (Testing Template)**
2. **write down validation for each field**
3. **write down bugs if found:**

**Modules:**

1) Sign Up

2) Forgot Password

3) Sign with OTP

4) Login

**1) Sign Up Module**

**Test Cases**

1. **Sign Up with valid credentials**

* Test entering a valid username, email, password, and confirm password.
* Expected Result: User successfully signs up and is redirected to the welcome page.

1. **Sign Up with an existing email**
   * Test entering a valid username, existing email, password, and confirm password.
   * Expected Result: Error message "Email already exists" is displayed.
2. **Sign Up with mismatched password and confirm password**
   * Test entering a valid username, email, password, and a different confirm password.
   * Expected Result: Error message "Passwords do not match" is displayed.
3. **Sign Up with invalid email format**
   * Test entering a valid username, an invalid email (e.g., user@com), password, and confirm password.
   * Expected Result: Error message "Invalid email format" is displayed.
4. **Sign Up with weak password**
   * Test entering a valid username, email, and a weak password (e.g., 123).
   * Expected Result: Error message "Password is too weak" is displayed.
5. **Sign Up with empty fields**
   * Test submitting the form without entering any data.
   * Expected Result: Error messages for each required field are displayed.

**Validation**

1. **Username**:
   * Should not be empty.
   * Should not contain special characters.
2. **Email**:
   * Should be a valid email format.
   * Should be unique.
3. **Password**:
   * Should not be empty.
   * Should be at least 8 characters long.
   * Should contain at least one uppercase letter, one lowercase letter, and one number.
4. **Confirm Password**:
   * Should match the password field.

**Bugs**

* List any bugs found during testing, including the steps to reproduce, expected result, actual result, and severity.

**2) Forgot Password Module**

**Test Cases**

1. **Forgot Password with a registered email**
   * Test entering a registered email.
   * Expected Result: Password reset link is sent to the email.
2. **Forgot Password with an unregistered email**
   * Test entering an unregistered email.
   * Expected Result: Error message "Email not found" is displayed.
3. **Forgot Password with invalid email format**
   * Test entering an invalid email format.
   * Expected Result: Error message "Invalid email format" is displayed.
4. **Forgot Password with empty email field**
   * Test submitting the form without entering an email.
   * Expected Result: Error message "Email is required" is displayed.

**Validation**

* **Email**:
  + Should be a valid email format.
  + Should be a registered email.

**Bugs**

* List any bugs found during testing, including the steps to reproduce, expected result, actual result, and severity.

**3) Sign in with OTP Module**

**Test Cases**

1. **Sign in with a valid OTP**
   * Test entering a valid OTP.
   * Expected Result: User successfully signs in and is redirected to the welcome page.
2. **Sign in with an invalid OTP**
   * Test entering an invalid OTP.
   * Expected Result: Error message "Invalid OTP" is displayed.
3. **Sign in with expired OTP**
   * Test entering an expired OTP.
   * Expected Result: Error message "OTP has expired" is displayed.
4. **Sign in with empty OTP field**
   * Test submitting the form without entering an OTP.
   * Expected Result: Error message "OTP is required" is displayed.

**Validation**

* **OTP**:
  + Should not be empty.
  + Should be valid (correct and not expired).

**Bugs**

* List any bugs found during testing, including the steps to reproduce, expected result, actual result, and severity.

**4) Login Module**

**Test Cases**

1. **Login with valid credentials**
   * Test entering a valid email and password.
   * Expected Result: User successfully logs in and is redirected to the dashboard.
2. **Login with invalid email**
   * Test entering an invalid email format.
   * Expected Result: Error message "Invalid email format" is displayed.
3. **Login with incorrect password**
   * Test entering a valid email and an incorrect password.
   * Expected Result: Error message "Incorrect password" is displayed.
4. **Login with unregistered email**
   * Test entering an unregistered email.
   * Expected Result: Error message "Email not found" is displayed.
5. **Login with empty fields**
   * Test submitting the form without entering any data.
   * Expected Result: Error messages for each required field are displayed.

**Validation**

* **Email**:
  + Should be a valid email format.
  + Should be a registered email.
* **Password**:
  + Should not be empty.

**Bugs**

* List any bugs found during testing, including the steps to reproduce, expected result, actual result, and severity.