

Test Case Planning

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1. Use Case 1 - *User Authentication*

Test Case ID	TC01 - Successful Login
Test Objective	Verify that the system allows access when a user enters the correct email and password.
Preconditions	The user is registered in the system with a valid email and password.
Test steps	<ol style="list-style-type: none">1. Open the app's login screen.2. Enter the registered email and correct password.3. Click the "Login" button.
Input Values	Username: valid@email.com Password: correctPassword!
Expected results	The system verifies the credentials and grants access to the user homepage.

Test Case ID	TC02 - Incorrect Password
Test Objective	Verify that the system denies access when a user enters an incorrect password.
Preconditions	The user is registered in the system with a valid email.
Test steps	<ol style="list-style-type: none">1. Open the app's login screen.2. Enter the registered email and an incorrect password.3. Click the "Login" button.
Input Values	Username: valid@email.com Password: wrongPassword
Expected results	The system displays an error message indicating that the email or password is incorrect and denies access.

Test Case ID	TC03 - Non-Existent User
Test Objective	Verify that the system denies access when a user enters a username that is not registered in the system.
Preconditions	The email does not exist in the database.
Test steps	<ol style="list-style-type: none">1. Open the app's login screen.2. Enter a username that is not registered and any password.3. Click the "Login" button.
Input Values	Email: anyEmail, Password: anyPassword
Expected results	The system displays an error message indicating that the email or password is incorrect and denies access.

Test Case ID	TC04 - Empty Input
Test Objective	Verify that the system prompts the user to fill in required fields if the email or password fields are left empty.
Preconditions	The login screen is open.
Test steps	<ol style="list-style-type: none">1. Open the app's login screen.2. Leave the email and/or password field empty.3. Click the "Login" button.
Input Values	Email: Password:
Expected results	The system displays an error message indicating that the email or password is incorrect and denies access.