

## Test Case Planning

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### 1. Use Case 1 – *User Login*

<b>Test Case ID</b>	<b>TC01 – User Login</b>
<b>Test Objective</b>	<b>User is able to login successfully with the correct username and password</b>
<b>Preconditions</b>	User is registered, username and password are correct
<b>Test steps</b>	1. Enter username 2. Enter password 3. Click 'Login' 4. User is given access to the app.
<b>Input Values</b>	Username, password, 'Login' button click
<b>Expected results</b>	Successful login to the app splash page.

<b>Test Case ID</b>	<b>TC02 – User Registration</b>
<b>Test Objective</b>	<b>A new user is able to register for an account from the login page 'Register' button.</b>
<b>Preconditions</b>	Unregistered user, valid username, valid password
<b>Test steps</b>	1. Click 'Register' button on the app login page 2. Registration page will appear 3. User enters valid user name in the username bar. 4. User enters valid password in the password bar. 5. The user receives a confirmation message. 6. The user is returned to the login page.
<b>Input Values</b>	'Register' button click, valid username, valid password, 'Register' button click
<b>Expected results</b>	User will receive a confirmation message that they've successfully logged in. The user will also be returned to the login page.

<b>Test Case ID</b>	<b>TC03 – Invalid Login</b>
<b>Test Objective</b>	<b>User will receive a message 'Invalid Username or Password' upon entering an invalid username and/or password.</b>
<b>Preconditions</b>	Username/Password combination entered is not a valid combination. Username may not be blank Password may not be blank
<b>Test steps</b>	1. At the login page for the app, the user will enter an invalid username/password.

	<ol style="list-style-type: none"><li>2. The user will click 'Login'</li><li>3. The user will receive a message: 'Invalid Username or Password'</li><li>4. The user will be returned to the login page.</li><li>5. The user will be able to try to enter their password again</li></ol>
<b>Input Values</b>	Invalid username and/or password, 'Login' button click
<b>Expected results</b>	'Invalid username or password' message, return to login page.

<b>Test Case ID</b>	<b>TC04 – User receives an error message for a blank input</b>
<b>Test Objective</b>	<b>Error Message- Blank input</b>
<b>Preconditions</b>	Input of username/password field will be blank App is functional for regular login
<b>Test steps</b>	<ol style="list-style-type: none"><li>1. User will navigate to the login page of the app</li><li>2. User will leave the username/password fields blank</li><li>3. User will click 'Login' button</li><li>4. User will receive an error message: 'Username/Password field may not be blank.'</li><li>5. User will be returned to the login page.</li></ol>
<b>Input Values</b>	Blank username/password field
<b>Expected results</b>	Error message – 'Username/Password field may not be blank'.