

## Test Case Planning

<b>Group members</b>	Ricky Williams, Ryan Pierce, Dave Duncan, Logan Tucker, Aaron Alexander, Abhinav Prathipati, Matthew Gilbert
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### 1. Use Case 1 - User Registration

<b>Test Case ID</b>	<b>TC01 – Create Username and Password</b>
<b>Test Objective</b>	<b>A user will be able to create a unique user id and password for the app.</b>
<b>Preconditions</b>	have the program downloaded and saved on local disk, and register an acceptable username and password
<b>Test steps</b>	<ol style="list-style-type: none"><li>1. user hits register button</li><li>2. user enters an acceptable username and password</li><li>3. hit create account</li><li>4. close program</li><li>5. rerun program</li><li>6. user should be able to login to account using their previously saved and registered username and password</li></ol>
<b>Input Values</b>	username: duncand3 , password:12345 , saved over multiple runnings of program
<b>Expected results</b>	program should recognize a previously created username and password when being run after being closed and recompiled.

<b>Test Case ID</b>	<b>TC02 – New users must have unique usernames</b>
<b>Test Objective</b>	<b>New users are not allowed to create an account with an invalid or occupied username.</b>
<b>Preconditions</b>	User is within 'Registration' page. The account that the user is attempting to register is ineligible (due to incorrect characters) or unavailable (already occupied).
<b>Test steps</b>	<ol style="list-style-type: none"><li>1. User clicks 'Register' button</li><li>2. User enters an unavailable user name and an acceptable password.</li><li>3. User clicks 'Create Account' button</li><li>4. Error message: "username already taken"</li><li>5. User will be returned to registration screen</li></ol>
<b>Input Values</b>	username: duncand3
<b>Expected results</b>	User will receive an error message: "Username in use". Upon exiting the error, they will be returned to the 'Login' page.

<b>Test Case ID</b>	<b>TC03 – Return to the Login screen from the Registration screen</b>
<b>Test Objective</b>	<b>The user will be able to navigate from the Registration screen to the Login screen. Any information entered into the Registration screen prior to exiting will be deleted.</b>
<b>Preconditions</b>	User is on Registration page
<b>Test steps</b>	<ol style="list-style-type: none"><li>1. User enters any value into Username and Password fields</li><li>2. User clicks 'Back to Login'</li><li>3. User is returned to the 'Login' screen</li></ol>
<b>Input Values</b>	username: abcde, password: qwert. select 'Back to Login' button will be clicked prior to attempting registration.
<b>Expected results</b>	User returns to Login screen with blank fields. No data from interaction with the 'Registration' page remains after the page is exited.

<b>Test Case ID</b>	<b>TC04 – User Attempts to Create Account with Invalid values for username/password.</b>
<b>Test Objective</b>	<b>Upon submitting a blank input field for username/password, the user will receive an error message: “Username/Password field may not be less than 5 characters “</b>
<b>Preconditions</b>	User is on ‘Registration’ page The minimum values allows for input in username/password fields is 5 characters.
<b>Test steps</b>	<ol style="list-style-type: none"><li>1. User will enter less than 5 characters into username/password field</li><li>2. User will click ‘Create Account’</li><li>3. Error message: ‘Username/Password may not be less than 5 characters’</li><li>4. User is returned to the registration page.</li></ol>
<b>Input Values</b>	username:1234 password:1234
<b>Expected results</b>	Error message: ‘Username/Password field may not be less than 5 characters’