Test Case Planning

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1. Use Case 1 - User Registration

Test Case ID	TC01 – Create Username and Password
Test Objective	**A user will be able to create a unique user id and password for the app.**
Preconditions	have the program downloaded and saved on local disk, and register an acceptable username and password
Test steps	1. user hits register button 2. user enters a username(duncand3) and password(12345) 3. hit create account 4. close program 5. rerun program 6. user should be able to login to account using their previously saved and registered username and password
Input Values	username: duncand3 , password:12345 , saved over multiple runnings of program
Expected results	program should recognize a previously created username and password when being run after being closed and recompiled.

Test Case ID	TC02 – New users must have unique usernames
Test Objective	**New users are not allowed to create an account with an invalid or occupied username.**
Preconditions	User is within 'Registration' page. The account that the user is attempting to register is ineligible (due to incorrect characters) or unavailable (already occupied).
Test steps	1. User clicks 'Register' button 2. User enters an unavailable username, in this case duncand3 and a password (12345) 3. User clicks 'Create Account' button 4. Error message: "username already taken" 5. User will be returned to registration screen
Input Values	username: duncand3 password :12345
Expected results	User will receive an error message: "Username in use". Upon exiting the error, they will be returned to the 'Login' page.

Test Case ID	TC03 – Return to the Login screen from the Registration screen
Test Objective	**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.**
Preconditions	User is on Registration page
Test steps	1. User enters any value into Username and Password fields 2. User clicks 'Back to Login' 3. User is returned to the 'Login' screen
Input Values	username: abcde, password: qwert. select 'Back to Login' button will be clicked prior to attempting registration.
Expected results	User returns to Login screen with blank fields. No data from interaction with the 'Registration' page remains after the page is exited.

Test Case ID	**TC04 – User Attempts to Create Account with Invalid values for username/password.**
Test Objective	**Upon submitting a blank input field for username/password, the user will receive an error message: "**username and password must be at least 5 characters.**"**
Preconditions	User is on 'Registration' page The minimum values allows for input in username/password fields is 5 characters.
Test steps	1. User will enter less than 5 characters into username/password field 2. User will click 'Create Account' 3. Error message: 'username and password must be at least 5 characters." 4. User is returned to the registration page.
Input Values	username:1234 password:1234
Expected results	Error message: 'username and password must be at least 5 characters."