Test Case Planning

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1. Use Case 1 - *<<Login Page>>*

Test Case ID	TC01 - Successful Login
Test Objective	**If input values are correct for the username and password, there will be a successful login screen displayed.**
Preconditions	The user enters the username and password (including approved special characters created upon registration) that were used and stored in data after registration.
Test steps	1. User launches program 2. User inputs basic username made after registration 3. User inputs basic password made after registration 4. App checks to see that the username or password data exists from registration 5. Successful login screen appears
Input Values	JohnDoe, password123!$ AliceSMITH#122, qwerty bobj0hnson, arandompass
Expected results	Login Success

Test Case ID	TC02 - Invalid Login
Test Objective	**There will be an invalid login screen that appears if the user enters an incorrect username or password that are not registered.**
Preconditions	If the user enters an unregistered username and password that are not found within the registration data.
Test steps	1. User launches program 2. User inputs wrong username, password, or attempts to create an account 3. App checks to see that the username or password do not match the registration data 4. Invalid login screen appears
Input Values	SMITH#122, randompass
Expected results	Invalid Login

Test Case ID	TC03 - Case sensitivity Error Handling
Test Objective	**Case sensitive username and password that adheres to the previous conditions. If there are incorrect characters (including special characters) or missing characters, there will be an invalid login.**
Preconditions	If the user fails to capitalize the username or password, enters the wrong letter, number, or symbol, or adds/misses a character.
Test steps	1. User launches program 2. User inputs no username or unregistered username 3. User inputs no password or unregistered password 4. App detects missing/extra character, invalid symbols, capitalization mistakes for username or password. 5. Invalid login screen appears
Input Values	JohnDoe, password123! Johndoe, password123!$ JohnDo, password123!$ JohnDoe, Password123!$
Expected results	Invalid Login

Test Case ID	TC04 - No input (edge case)
Test Objective	**If there is a missing input from either the username or password, create an error message notifying the user to fill in all fields.**
Preconditions	The user inputs no characters for the username or password.
Test steps	1. User launches program 2. User inputs no username or password 3. App detects there are no username or password inserted 4. Please fill in all fields screen appears
Input Values	
Expected results	Please fill in all fields