**RANDOM PASSWORD GENERATOR**

**HANDOVER DOCUMENT**

BY **GROUP T**

## Overview:

We reviewed the application based on the project description, previous handover documents, and test cases. We identified and fixed several bugs, refined the code, and ensured that all test cases passed. Below are the fixes we implemented.

## 1) Empty Username or Password Registration and Login:

*Issue:* Users could register or log in with either the username or password field left empty.

*Fix:* Added validation to ensure both fields are filled. Users now receive an alert message: "USERNAME OR PASSWORD CANNOT BE EMPTY."

## 2) Login Window Not Closing:

*Issue:* The login window remained open after logging into the random password generator.

*Fix:* Modified the code to close the login window automatically after a successful login, leaving only the random password generator window open.

## 3) Password Storage:

*Issue:* The old passwordStorage.java code allowed null or empty entries and did not clear the event list before updating, causing duplication.

*Fix:* Added input validation to prevent null or empty entries, ensured the event list is cleared before updating, included debugging messages for deletions, and improved file handling with detailed error messages.

## 4) Failed White Box Test Case - *testChangeLanguageToGerman*

*Issue:* The test case failed because the expected title for the German language was incorrect.

*Fix:* Updated the expected result in the test case after verifying the correct title in the resource bundle properties. The test case now passes.

These fixes enhance the functionality, reliability, and maintainability of the application.