

## Log In Page

username:

password:

Log In

Don't have an account? [Create One!](#)

Will match the **username** and **password** with the list of saved usernames and passwords stored in a **text file**. If it matches, the user will be redirected to the **Dashboard**. Otherwise, a pop-up will show with the text, "**Incorrect username or password!**"

Will redirect the user to the **Sign Up** page.

## Sign Up Page

name:

username:

password:

re-type password:

Sign Up

Already have an account? [Log In!](#)

The **username** must be unique; no other user should have the same username. The minimum length for both the **username** and **password** is **six** characters. If the preceding conditions are met, then compare the **password** and **retyped password**. If the answer is affirmative, a new account will be created, and data will be stored in a **text file**. Otherwise, display the error message ("**A user with the same user name already exists**", "**passwords do not match**", "**username and password must be at least six characters**"). After successful account creation, the user will be redirected to the **Login** page.

## Dashboard

Welcome, "username"!

Log Out!

Will redirect to the **Log In** page.

# Windows Forms Application Authentication System

## Description:

In this task, students will create an authentication system using Windows Forms Application. The system will have three pages (Forms) which are Log In, Sign Up, and Dashboard. The Log In form will allow the user to enter their username and password to log in to the system. The Sign Up form lets the user create a new account by giving their username, password, and full name. The Dashboard form will display the user's information after successful authentication.

Students will store the user information in a text file. Each user's information will be stored on a separate line with the following format:

username, password, full name

To complete this task, students will use git (version control). They will create a repository named "SWE4302\_studentID" and create a branch for this task. The task folder will be inside the designated branch. There should be at least five commits in the designated branch. Finally, students will merge the newly created branch with the main branch.

## Task Steps:

- ☐ Create a Windows Forms Application project in Visual Studio.
- ☐ Create three Forms named Log In, Sign Up, and Dashboard.
- ☐ Implement the Log In form, which will allow the user to enter their username and password.
- ☐ Implement the Sign Up form, which will allow the user to create a new account.
- ☐ Implement the Dashboard form, which will display the user's information after successful authentication.
- ☐ Store the user information in a text file with the format: username, password, full name
- ☐ Use git to create a repository named "SWE4302\_StudentID".
- ☐ Create a branch for this task inside the repository.
- ☐ Create the task folder inside the designated branch.
- ☐ Make at least five commits inside the designated branch.
- ☐ Merge the created branch with the main branch.

## Deliverables:

- ☐ Windows Forms Application project containing three Forms (Log In, Sign Up, and Dashboard).
- ☐ User information text file.
- ☐ Git repository named "studentID\_SWE4302\_sessional" with at least five commits.
- ☐ Merged the main branch and the newly created branch.