Course: CSE-299   Section: 1 Group Number: 6

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Introduction

The Student Portal Login Panel is a C++ application with a graphical user interface (GUI) designed for student authentication. It provides a secure and user-friendly login system using frameworks like Qt or Windows Forms.
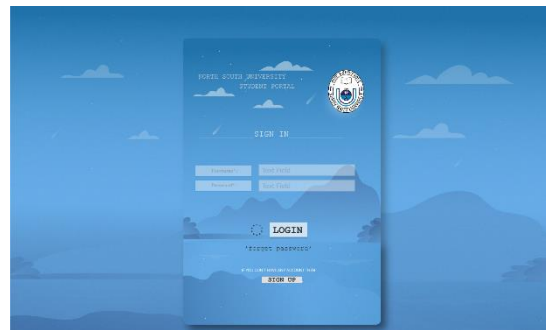
Features

Login Interface:

- Fields for Username and Password.
- Login , SignUP and Forget Password buttons.

Authentication:

- Displays error messages for invalid inputs.

GUI Framework:

- Uses Qt or Windows Forms for a modern interface.

Implementation

Design the GUI:

- Create a window with labels, text boxes, and buttons, Only Readable Text and Rectangular box.
- Using a proper background and logo to make it more user friendly
- Use event handling for button clicks.

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Future Enhancements:

- Ensure the application handles incorrect inputs gracefully.
- Passwords are masked during input.
- Adding of dataset to store a data in a csv file.

Conclusion

The Student Portal Login Panel showcases how C++ can be used to create secure and functional GUI applications. By leveraging frameworks like Qt, developers can build cross-platform solutions that enhance user experience.