JSwing with Text File Manipulation
Initial Output

This project assesses your ability to develop Java applications with graphical user interfaces (GUIs) using Java Swing components and to implement text file manipulation for data persistence.

Instructions:

1. **Update the following projects:**

   o **Calculator:** Your calculator application with a GUI allows users to perform arithmetic operations (addition, subtraction, multiplication, division) on numbers. However, there is minimal text file manipulation and implementation of OOP concepts. What you need to do is to have a menu in your Calculator program wherein the user is allowed to select from the following options:

     [1] Compute

     [2] View History

     [3] Exit

   o **Phonebook System:** Your phonebook application with a GUI enables users to add, delete, search, and update contacts, including names and phone numbers. To make it more comprehensive. Allow the user to create groups. The user must be able to add, edit, and delete group details. Once there is a group, the user can add and delete names already in your phonebook system. Groups may also refer to a category such as Friend, Family, Work, etc.

   o **Payroll System:** Your phonebook application can manage employee records and calculate payroll. However, there is a need to integrate the Phonebook System and Calculator program. To integrate it, there must be an option on your Payroll System menu to use your Calculator program. Once selected, the user can use the Calculator program to calculate the payroll of the employee. There must be a group on your Phonebook System for Employees with complete details. On your Payroll System app, there must be an option to access the details of the employee using the Phonebook database.

2. **Coding Standards:**

   o Follow good coding practices, including meaningful variable names, proper indentation, and comments to explain your code.

   o Organize your code into classes and methods for better readability and maintainability.

3. **Submission:**

   o Submit your Java source code files and any necessary supporting files (e.g., text files for data storage) in your GitHub repository.

   o **Include a brief README file explaining how to compile and run your application.**

   o **Individual evaluation is scheduled on January 22, 2025 from 02:00 pm to 05:00 pm.**