Criterion E: Evaluation

Product Evaluation

Success Criteria

1. The program will present the user with a login and registration page.

- Registration and Login are different classes. Registration allows new user information to be entered into the database. Login checks to make sure the information entered is for a real user.

2. The program will give error messages when there are data entry errors.

- Error messages using JOptionPane pop up if the data entered is incorrect or in the wrong format.

3. The program will allow the user to reset their password after security checks if they forget their password.

- Error message pops up using JOptionPane if the entered security questions and corresponding answers are incorrect. If it is correct then the password can be changed.

4. The program will check the strength of the entered password when registering and resetting the password.

- Using an array, the program checks if the entered password contains at least 7 characters, symbols, numbers, at least one uppercase letter, and at least 1 lowercase letter.

5. The program will allow users to view and edit their profile information including a profile picture.

- Criterion was met using JFileChooser to select and save the profile picture. Criterion uses the same method to save data as the reset password criterion.

6. The program will allow the user to input and remove events from a calendar.

- Criterion was met using a JTable and JButtons.

7. The program will allow the user to input and remove financial data specific to the different financial tables which will then display the input data in the appropriate financial tables.

- Criterion was met but not with the initial idea of inserting T-Accounts and then automatically inserting it into the appropriate tables. Instead, it was achieved by allowing the user to enter the different types of accounts, such as current assets and fixed assets separately.

8. The program will calculate the totals based on the inputs for the different aspects of each financial table.

- When creating the format for the tables, the program calculates the totals based on whatever

was entered in the accounts page.

9. The program will allow the user to save/print the financial tables and calendar.

- The program uses the .print() method to save JTables.

10. The administrator will be able to manage the employees which are registered in the program.

- Using the same method as the events page, this criterion was met.

Word Count: 220 (Without success criteria)

Recommendations for Further Development

The client was extremely happy with the product, However, she had a few tiny modifications which she thought would make the product even better: **(See Appendix B)**

Event Notifications: A notification system which alerts the user of the event when they open the application if there was an event scheduled for that day. For example, if electricity bills are due on the 5th July and the user opens the application on 5th July then the first thing which opens when the user logs in is a dialogue box which alerts the user of the event on the day. This could possibly be done by getting the date of the current day and then checking if any events exist in the database for that specific user and that specific day.

Tool Tips: For the accounts page, there should be tooltips when the user hovers their mouse over the JTable to inform them that they can click enter to create a new row and click delete to remove a row. For example, when the user hovers the mouse over the JTable row, a message appears under the mouse which says "Press enter to create a new row" and when a row is selected a message appears under the mouse which says "Press delete/backspace to delete the selected row". However, the user is not completely left in the dark because there is a user guide which they can follow. **(See Appendix C)**

Compact GUI: On pages such as the login page, the JLabel and JTextField were a little too far apart so she suggested that the JComponents are a little closer to avoid big spaces between the JComponents. For example, the page should look like "Username: John" instead of looking like "Username: John".

Word Count: 290