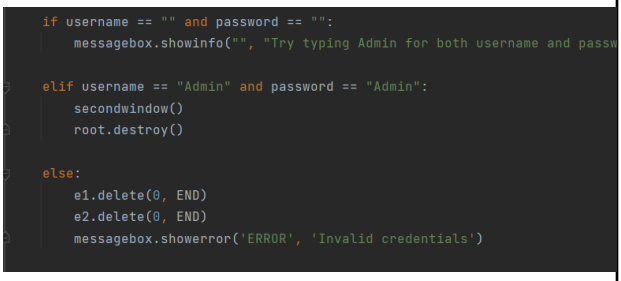
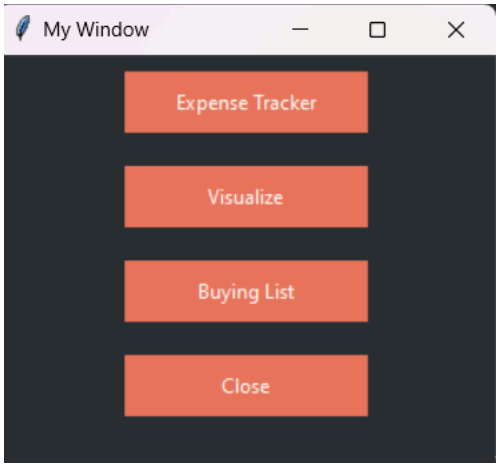
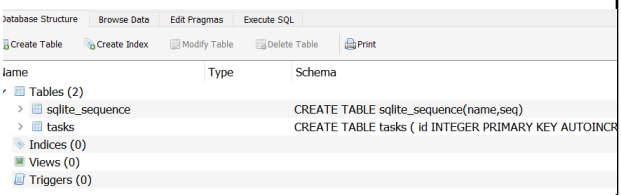
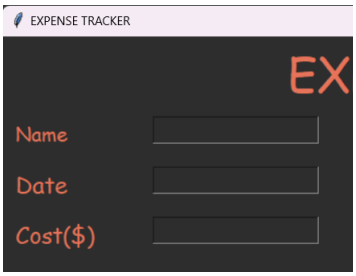
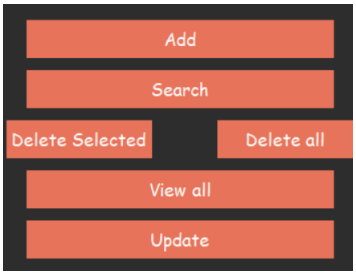
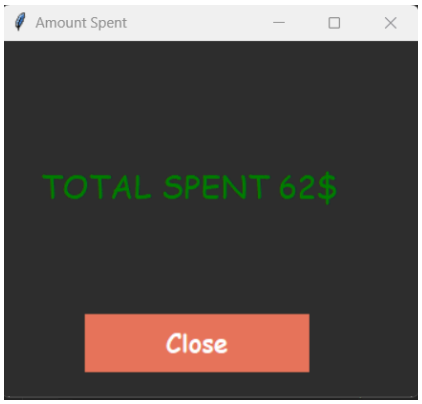
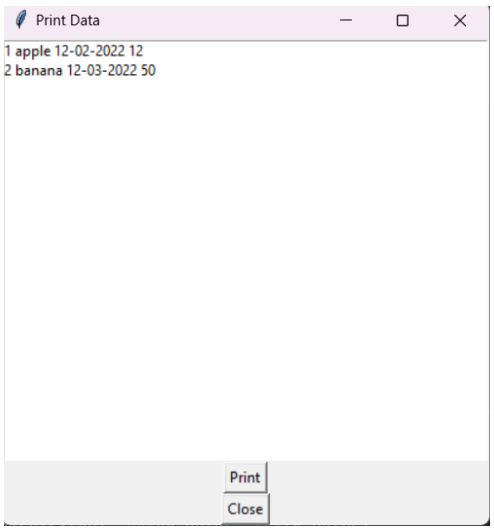
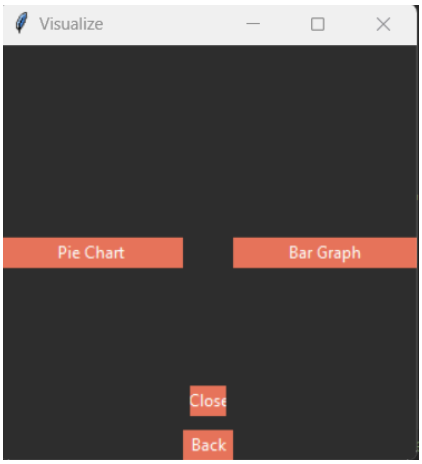
Criterion E: Evaluation

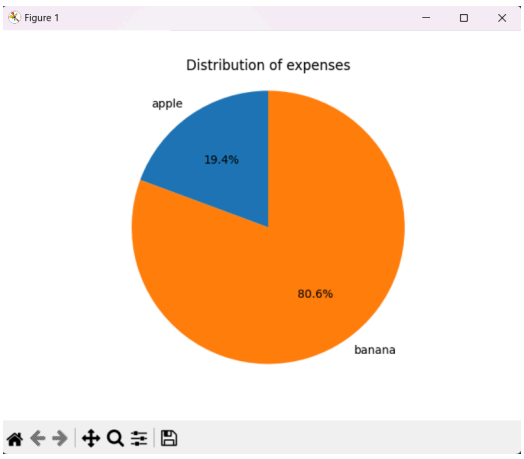
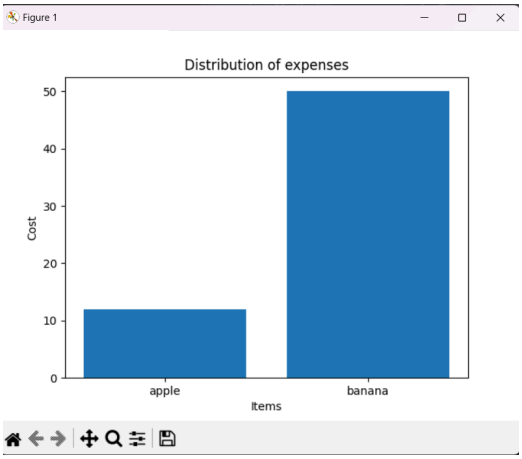
Evaluation of Completion of Success Criteria:

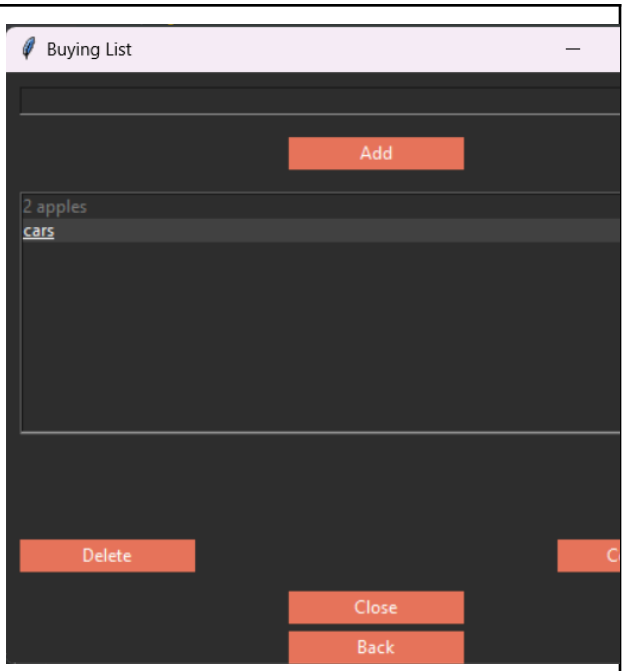
Criterion Tested	Test Plan used	Met?	Remarks
1	Logging in Test	✓	 *In order to access the application the user needs to enter the correct username and password.*
2	Window functionality Test	✓	 *Screenshot of Mywindow where user can access entirety of the application*

3	Database connectivity Test	✓	task.db  Trackerdata.db 
4	Database connectivity Test	✓	 *The user can add the purchase date, the purchase price, and the product's name.*
5	Database connectivity Test	✓	 *The user can search, remove and update items*

6	Viewing item Test Database connectivity Test	✓	 *The user can view their expenses with their respective date, price, and item name*
7	Window functionality Test	✓	 *The user can see their total expenses*

8	Printing Test	✓	 *The user can print their expenses*
9	Visualize Test Window functionality Test	✓	 *Screenshot of Visualize function*

			  *Screenshot of visualization of both pie chart and bar graph*

10	Buying list function Test Database connectivity Test Window functionality Test	✓	 *buying list where user can add, delete and mark their tasks as completed*
11	Error Test	✓	*Error/alert messages are displayed if any invalid data has been entered by the user*

Client Feedback

Upon the client's feedback the color theme was changed[1]. In order to assess the effectiveness of the application, a questionnaire was afterwards created for the client. The client claims that the program satisfies all of his requirements and has significantly reduced his stress levels and work load. He also mentioned the feature that conforming if the user wants to delete all data has been helpful as he has misclicked it and thought all data would be erased but the confirmation prevented it which he really liked and appreciated.

Recommendations for Further Development

Overall the client was satisfied with the product but the client had some suggestions[2] for the program that wasn't absolutely necessary to include but may still enhance the overall experience.

Multiple user Support: As the client suggested that others were also interested in using the application , creating a simple signup and login system can be done in the future. This will allow multiple users to gain access to the application without one hindering another. The code can be extended to include support for multiple database drivers. The database driver and connection information can be specified in a configuration file or via the use of a properties file. To use the supplied driver and connection information, the code can be changed. Hence, without changing any code, the user may quickly switch between various databases by modifying the configuration file.

[1] Refer Appendix A.3
[2] Refer Appendix A.4

Integration of csv files into the application: Python has many libraries. One of them is the csv module. I can use this module to import csv files into my application and convert it into a form that is suitable to be sorted in a database. After that I can add features where the user can see his expenses in months and the user can filter it out based on month and year.

Word count: 380