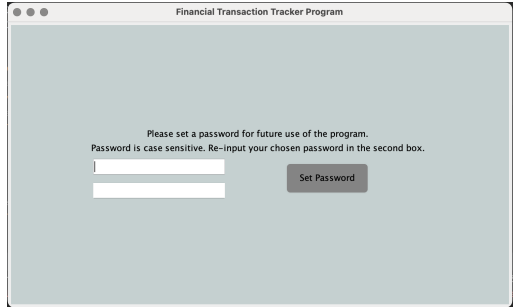
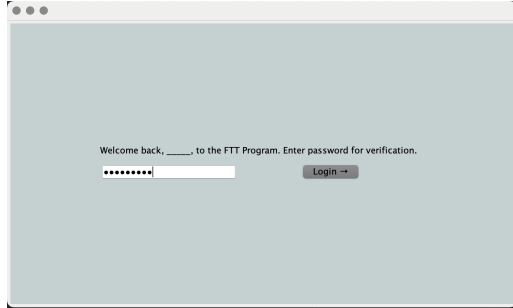
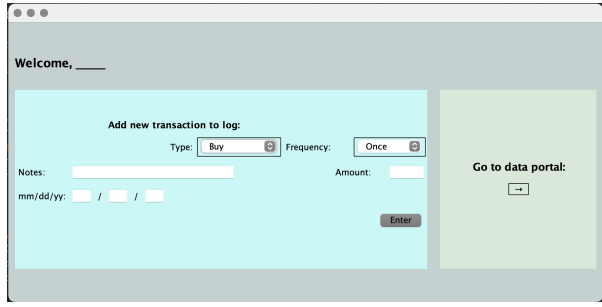
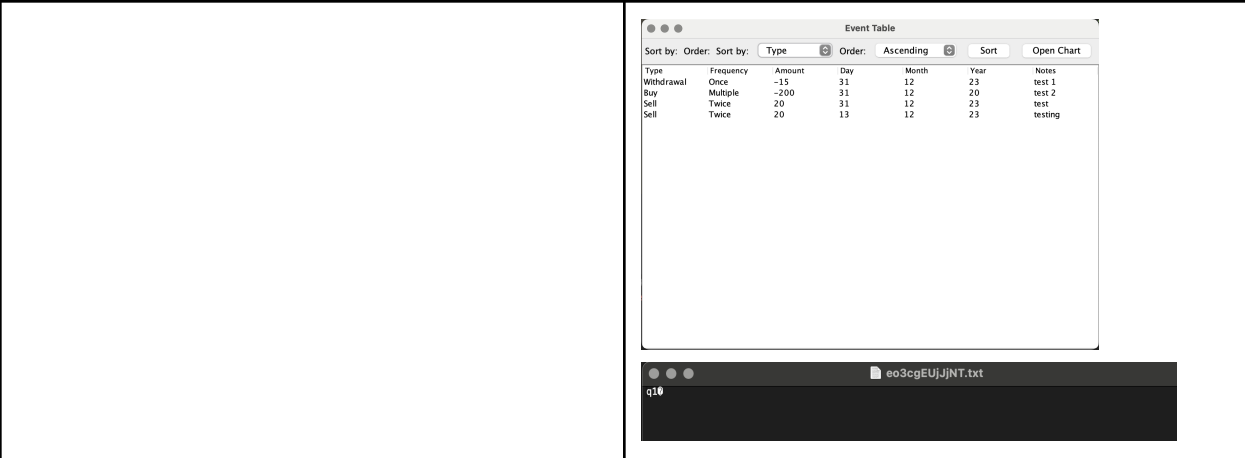


Criterion E: Evaluation

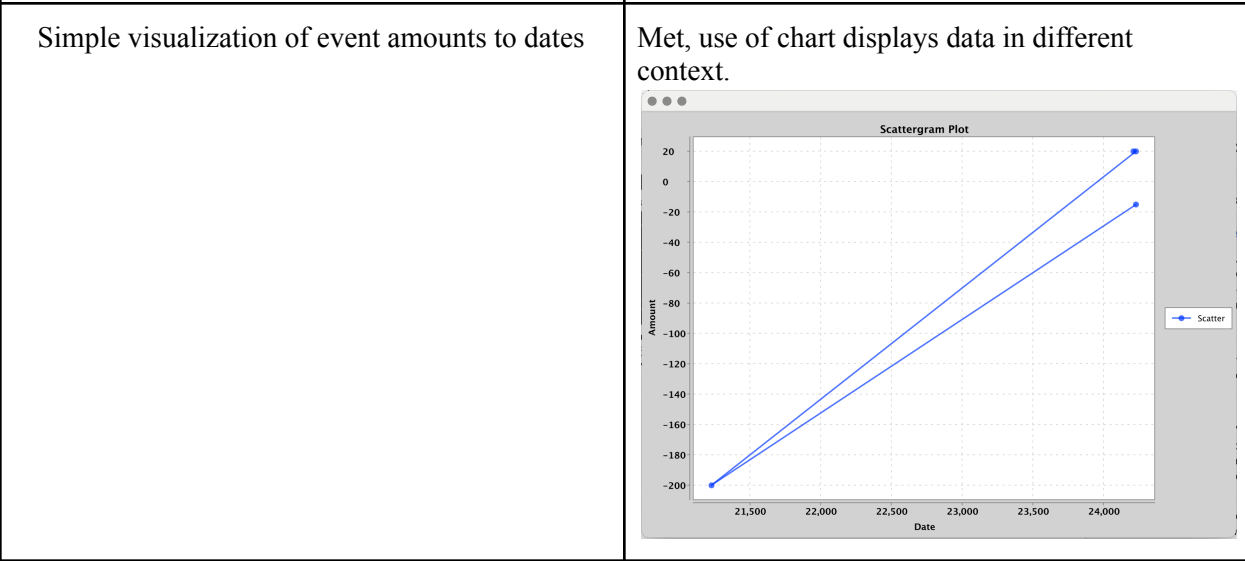
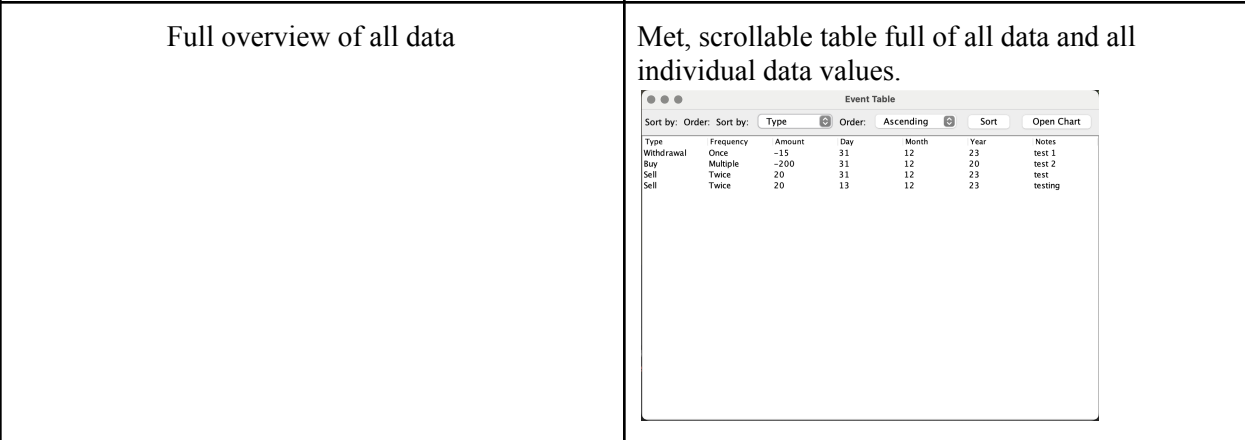
Success Criteria	End Result
User-created password	<p>Met, program has setup page. Both inputs must match to set.</p> 
Verification with password	<p>Met, program has login page. Secure input box.</p> 
Easy to use interface	<p>Met, program splits program into digestible pages. Main function resembles checkbook.</p> 
Stored data on device	<p>Met, data is saved to .txt file and read from file.</p>



Multi-type data storing to secondary memory

Met, string, integer, etc are all stored in a .txt file, and data can be casted back to original type.

```
FileWriter writer = new FileWriter("file", append, true);
Cipher rc4Cipher;
rc4Cipher = Cipher.getInstance("RC4");
String line = toString + " " + freqString + " " + amountString + " " + dayString + " " + monthString + " " + yearString + " " + noteString;
byte[] text = line.getBytes("UTF-8");
rc4Cipher.init(Cipher.ENCRYPT_MODE, rc4key);
byte[] textEncrypted = rc4Cipher.doFinal(text);
String s = new String(textEncrypted);
BufferWriter = new BufferedWriter(writer);
BufferWriter.newLine();
BufferWriter.write(s);
BufferWriter.close();
```



Recommendations for Further Development

- **Login page edge cases** - fixing edge case in login logic for seamless decryption of file-read password.
- **Executable file** - structure accompanying resource files and .jar libraries within program to be able to run .jar file of program instance.
- **More pathing between windows** - creation of back buttons, e. g. going from the chart back to the table window; prevents client from getting stuck in chart window or exiting from program
- **Complete client control of data** - page or button to reset password; ability to delete events in homeWindow or indexWindow; saves resources to clean up old or unneeded entries; ability to fix an input mistake.
- **Other implementations of charts** - after seeing an almost finalized product, my client was intrigued by the creation of charts and the possibility to have different styles with different data being plotted.