DSA Project Progress Report	
Course Code: 201L DSA	**Program:** BSCpE
Course Title: Data Structure Analysis	**Date Performed:** September 09, 2025
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- **Objectives**

This Project “Money Rider” aims to:

- To make the User Interface Modernize (green and lively)
- To fix the bug the interactive calendar (months and years)
- To fix the arrangement of the calendar days and years

2. Discussion

This project successfully applied array concepts to achieve its core objectives for the "Money Rider" application, which helps riders finance their daily income by providing a tool to manage their earnings from delivering. The user interface was modernized with a green and lively theme to enhance usability, while the critical bug in the interactive calendar was fixed by utilizing arrays to correctly manage and iterate through data, ensuring the accurate functioning of months and years. Furthermore, the arrangement of the calendar days and years was corrected using array structures to properly align weekdays and dates, resulting in a logical and user-friendly display that allows riders to reliably track their finances.

3. Materials and Equipment

Computer: used to make the source code for the Skill-Test

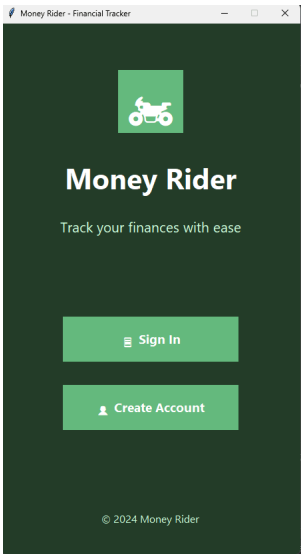
Visual Studio Code: used for running the program

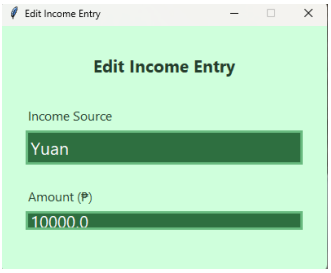
Github: used to collaborate and manipulate the program

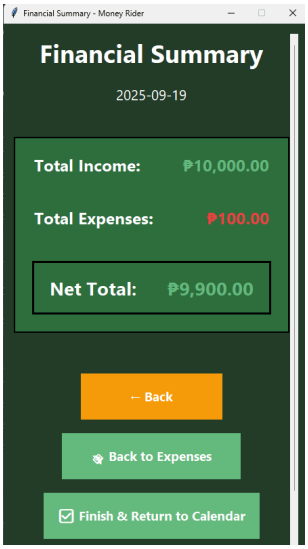
Mouse: used to navigate the Computer

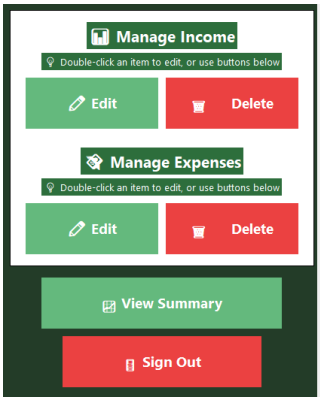
Keyboard: Used to type the source code

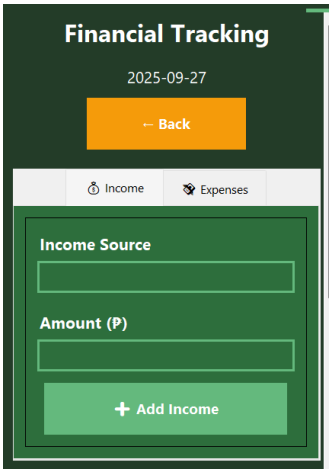
4. Output

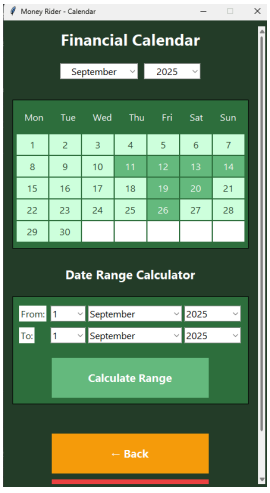


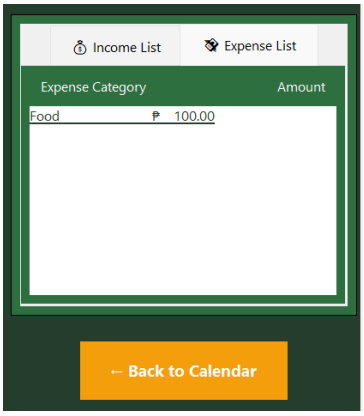












5. Procedure

The procedure for the development of the "Money Rider" program was conducted in several key stages. First, we program the interactive calendar, using arrays to arrange the days and to add the functional choices for selecting months and years. Second, we implement the working input for income and expenses; this involved coding a function so that clicking on dates would navigate to another interface where users can input and save their financial data. Lastly, we redesigned the layout of the program's interface, applying a modernized color scheme to make it more green and lively for the users. Throughout this process, the array concept was central to manipulating and managing the data for the calendar and financial entries.

6. Conclusion

This progress report demonstrates how we manipulate the program using array. First, we programmed the interactive calendar by using arrays to arrange the days ansd implement the working choices for months and years. Second, we used arrays to manage the data for the input of income and expenses, allowing users to click on dates and save their financial information. Lastly, we successfully redesigned the layout of the interface to be more modern. The arrays were essential to implement the working months and years, add the income and expenses feature, and complete the redesigned interface.