CIS18 A Final Project Documentation.

Option 2: Community Garden Program.

1) Program Description:

The Community Garden App is designed to serve as a platform for the residents of Moreno Valley, California, to engage with a local community garden. The garden provides access to fresh produce during scheduled appointments. This program will allow users to register, set an appointment to visit the garden and make donations, either monetary or in-kind (seeds, soil, tools, etc). It also outputs the user's order summary and appointment details to a text file for record-keeping. The program uses the Swing UI for user interaction.

2) Program goals & Functionality:

The goal of the Community Garden program is to provide a simple and interactive way for Moreno Valley residents to register, schedule appointments, and make donations for a public community garden at MVC. The program allows user to easily input their general and contact information, book an appointment during the operating hours of the garden, and contribute to the garden in various ways.

Functionality:

- User Registration

- Appointment Scheduling

- Donation Options

- File Handling

The program is targeted at the residents of Moreno Valley who are interested in utilizing the community garden, either for fresh produce or to help support the garden through donations. The program is intended to be simple, user-friendly, and efficient in managing user registration, appointment scheduling, and donation handling.

3) Strengths & Weaknesses:

Strengths:

- Easy to use with clear options.

- Efficient management for user registrations, appointments, and donations.

- Outputs all the necessary information to a text file for record-keeping.

Weaknesses:

- The program requires manual input for appointments and donations, which a user might commit an error on.

- Lack of date picker functionality may lead to manual date input errors, despite user being prompted with clear guidelines for a valid input.

4) Future Improvements:

- Implement a date picker for an easier experience.

- Expanding on features that will allow users to modify or cancel appointments.

Pseudocode:

https://replit.com/@ashportia0/CIS18A-Project-Pseudocode#Pseudocode