

Garden Java Project: Summary

The program that I created was the Appointment Service program for a community garden at the local college. The target audience for this application is generalized for the community as the space of the garden is open to the public that find an interest in participating in a garden. This program includes three java files that each serve a specific task. Register.java is the main file that executes the program and begins with an introduction to the community garden with a button that allows a user to register to form an appointment. This program utilizes a large amount of Swing elements to ensure that the user can direct themselves to create an appointment. One strong point of this application is the Swing interface that it contains as I included dropdown selection menus, textboxes, and checkboxes that are all ease of use. I used different elements that I found easier to comprehend and manipulate that were not originally in the course notes such as “JComboBox” and “GridBagLayout” which is similar to the grid display in Cascading-Style-Sheets. Another strongpoint is the organization of the code itself as each section is clearly defined with what task it is supposed to complete. Date.java has the task of creating an array of the months that are in year and using iteration tools, such as for loops, to establish the amount of days in each month by utilizing the “java.util” package to gain access to “Calendar”. Time.java is a separate file that is dedicated to creating a dropdown selection menu that contains an array of various time slots of a day. A user will be able to select from the dropdown menu to choose a specific time for their community garden appointment. Some weak points that I can point out take place towards the end of the program. For example, there is technical difficulties in attempting to display the user time slot selection

within the confirmation class of the program. Also, there seems to be a misconfiguration with the Calendar utility tool in the MonthDaySelector.java file because there is an inconsistency in the number of days available in the dropdown menu after a specific month is selected by the user. Lastly, this program does not contain input validation which is a factor that needs to be implemented to achieve efficient and accuracy when transferring user input towards a database. I decided to create a user interface with this project because I'm able to understand the flow of the backend architecture of program more when I have template that is ready for integration with functionality. In the future, I want to add more functionality to the program by including more visual elements.