

Problem: The task was to create a program that stores, retrieves, adds, updates, and searches addresses. To make it visual, I set up JavaFX. First, I designed the interface using JavaFX objects and the start method (which comes from the superclass Application in the javafx.application.Application library) in the App class. Then, I created a Person class with a constructor, getter-setters, and the necessary data fields.

After that, I developed a PersonService class that includes a Person array to hold the information of the individuals entered. In that class, I created a .txt file to read and write the entered person information. I used the writePersonToFile method to write to the text file, and I also created a method called readAllPerson that reads every entry. Additionally, I wrote methods that search through the Person array, update entries, and find the first, last, next, and previous entries in that class.

Once the methods were written, I made the buttons functional in the start method, which I overrode (except for the cleanText and setPersonInfo methods). For example, the first method I created was cleanText, and I made the button that corresponds to it (Clean TextFields) functional after writing that method.

Test: I designed the interface of my program, and then I tested each button after writing the methods. For instance, I made the addButton functional and then checked if it successfully wrote the entry to the text file.

