**Project:**  Business Program

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This java program’s main purpose is to set up an appointment for a nail salon. Our program's targeted audience is nail salon businesses that do not have a way to set appointments online. This program eliminates the hassle for the customer and time effectively sets up an appointment making it simple for the customer and business. A problem many customers have is that most nail salons do not have a way to set up an appointment online, usually it's through the phone or in person, this program eliminates that problem. Overall this program's main goal is to create a simple yet time effective experience for the customer and business when setting up a nail appointment, while letting the customer have control of the number of services they want.

This program begins with welcoming the customer, it then prints out the option menu, with a total of 6 options and 2 add-ons. It prompts the user to select an option, once the user inputs a valid option the program will then ask if they would like another service. After the user enters all the options they want the program will then ask if they would like an add-on. Depending on the customer's choice it will either display the available add-ons and get their input or move on to the next thing. In the next section the user will enter their name and select a date and time from the available options. Once all the information is filled out a receipt will print out displaying all the appointment details including the total, this receipt will also print to a text file. Our program uses a combination of appropriate data types, a switch statement, 2 or more controlled statements, operators, multiplue classes, objects and methods, 2 arrays, inheritance, imports packages, and implements interfaces. This program does have some limitations, in the segments where the customer is prompted to enter yes or no it is not validated, so the next prompt will continue as if they entered no. For future projects validating every input from the user is something we will work on. Some possible fixes would be implementing an if-else statement with a loop inside that will display an error message and then prompt the user to enter again until their input is valid. Some strengths include letting the user add as many services, and printing the receipt to a text file. Overall the program does work effectively to set up an appointment and print a receipt to a text file displaying all appointment details.