## **Program Pseudocode and Documentation:**

1. Select a business type.

**Beauty Salon**

2. Provide your company name (software company name).

**Anderson Associates**

3. Create a pseudocode for the program.

* **Create class**
* **Create constructor (date, time, service, name)**
* **Getters & setters**
* **Methods (pricing / discounts)**
  + **If price is > $200 get 20% off**
  + **If service is eyelash price gets $35**
  + **Etc …**
* **Super class : Salon**
* **Sub class : hair , nails , eyelashes , makeup**
  + **Hair : braids, straightened, trim, dye**
  + **Nails : long , acrylic , manicure, fill**
  + **Eyelashes : singles , strips**
  + **Makeup : casual , special event**
* **Main method : create objects by client # (starting with 1)** 
  + **Use data constructors and methods**
* **Miscellaneous methods / functions**

**Documentation:**

Initially I planned for my program to be user input based, and very easy to use. I wanted to create a calendar based program with many interfaces but that changed as I got deeper into the design process. The user would simply choose their preferred date for their appointment, select a service, a time, and will be able to leave a note for the beautician. The user would also have access to pricing and pictures of the beautician’s previous work. As I got deeper into the design process and the project I changed some of the specs for my program. The main cause of this was, limitations with creating a way to store a large amount of data as more customers use the app,.

The program stores appointment information for my mom’s salon that she owns. The program will show the client’s name, preferred date for their appointment, the service, a time, and will be able to calculate any possible discounts, as well as total cost for service. My program will help my mom’s business become more organized. She will have a program that stores all of her appointments with very little work on her end. The program is for my mom to store the data of her scheduled appointments. Overall, the program serves as an agenda for the beautician and not for the client which is also beneficial in a small business setting because it does not take much for things to get overwhelming with a lot of information. I hope I can transfer the program from being in an Eclipse based IDE to Android Studio so I can make it more interactive and understandable to my mom. It could also benefit other small business owners that operate in similar settings to her.