

Daisha Randolph

Course Project Part 1 - Documentation

The option that I chose is the business option. My project aims to create a shoe delivery service that gives you five minutes to order shoes or you are unable to receive them. The background of my project is my love for buying shoes with release dates/special editions. I want the program to replicate my experience with buying/preordering shoes. If a shoe is supposed to be available to order at 7:00 am and you order the shoe at 7:30 am, the shoe may sell out before 7:30 am. The target audience for my program is older teens and adults who enjoy collecting shoes. In addition, the program can be for people who want to buy special edition shoes as a gift.

The strength of my program is that it is a simplified version of a shoe ordering site where it will only list shoes that are currently shoes to purchase/preorder. It will be simpler to use only six shoes to stop lag issues. I also intend to add dates for when specific shoes will be available. One weakness I intend to occur is that there will only be a limited amount of shoes available for sale. I plan to limit the code to only one/two shoes for sale a day.

The future outlook of my program is that I can grow the program to be utilized for all future shoe drops to make preordering shoes convenient for people. The biggest problem with preordering special edition shoes is that they are only available at a specific timeframe, which doesn't work for people with other obligations such as work and school. In the future, I also hope that I can expand the business so that it features a bigger range of shoes and different models.

First, I'm going to import scanner.until and define the class Shoes

Next, I'm going to introduce the variables;

```
Int aj1orange  
Int aj1blue  
Int aj1red  
Int aj3pink  
Int aj3red  
Int aj4white
```

Next I'm going to create either a private or public class called DayofRelease

```
Aj1orange ("Monday")  
aj1blue("Tuesday")  
aj1red("Wednesday")  
aj3pink("Thursday")  
aj3red("Friday")  
aj4white("Saturday")
```

The next class will be the prices of the shoes

```
Aj1orange ("150")  
aj1blue("150")  
aj1red("150")  
aj3pink("200")  
aj3red("200")  
aj4white("400")
```

Next I'm going to add an array for the shoe types and their availability

```
private String[] shoeTypes = {"aj1 orange", "aj1 blue", "aj1 red", "aj3 pink", "aj3 red", "aj4  
white"};  
private int[] availableDays = {1, 2, 3, 4, 5, 6};
```

Next I'm going to add a if statement

If the shoe is available on the day your trying to purchase then you will be able to move on with the code but if the shoe is not available then you will receive a try again message.

```
for (int i = 0; i < shoeTypes.length; i++)  
{ if (shoeTypes[i].equals(shoeType)) { return availableDays[i];
```

Next I'm going to add another method

```
int availableDay = availability.getAvailability(shoeType); if (availableDay == dayOfWeek) {  
System.out.println("Congrats, your shoes are confirmed! Price: $" + prices.get(shoeType) *  
quantity); }  
else { System.out.println("Try again next time.")
```