

EECS 3311 PROJECT

SmartShoppers System

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SmartShoppers System Report:

SmartShoppers system is an online system that helps customer to find products from a specific store by finding the precise location for the item. It helps them save time and energy rather than trying to find the item in the store which might not be available either. The system let's the customer add the item in the shopping cart, shows them the sale price, the availability of the product, the size of the product along with the name and description. The system also has the Admin and the Manager, where the admin has the most privilege to add or remove and item, store or manager, along with updating any item and store hours for all stores. The manager almost has the same right except from a specific store they are assigned to.

During the implementation of the project, what are the problems in your initial design from Midterm?

Now that I Implemented the project, my initial design was missing some class diagrams especially since we didn't design GUI that time. My initial design was mostly focusing on the Customer rather than the Admin or the Manager. It was mostly missing the GUI classes.

About the SmartShoppers System:

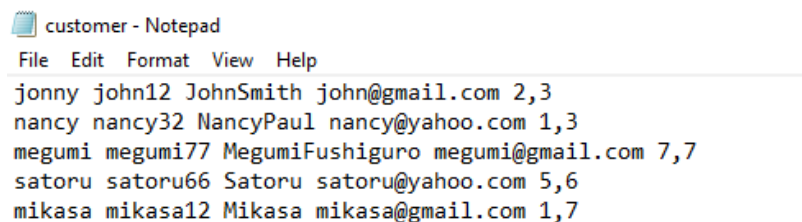
First, to run the program as an Admin, I already added the name and password of the admin as a string in the program, in my SystemDataClass.java.

Username: **Song** (adminUSERNAME)

Password: **song3311** (adminPASS)

Please try logging in with the username and password above to log in as an admin.

To log in as a Customer, I have added a few customers in my customer.txt file.

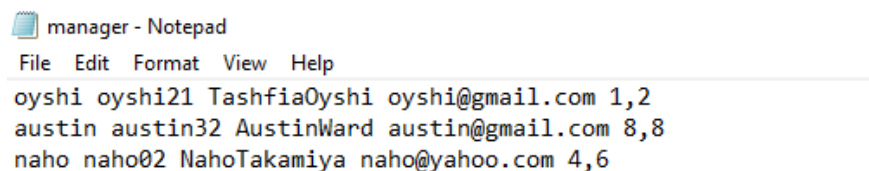


```
customer - Notepad
File Edit Format View Help
jonny john12 JohnSmith john@gmail.com 2,3
nancy nancy32 NancyPaul nancy@yahoo.com 1,3
megumi megumi77 MegumiFushiguro megumi@gmail.com 7,7
satoru satoru66 Satoru satoru@yahoo.com 5,6
mikasa mikasa12 Mikasa mikasa@gmail.com 1,7
```

I saved the customer information as follows:

```
customerData = userid + " " + password + " " + userName + " " + email + " " + locationX + "," +
locationY.
```

To Log In as a Manager, I have also added a few manager names in my manager.txt.



```
manager - Notepad
File Edit Format View Help
oyshi oyshi21 TashfiaOyshi oyshi@gmail.com 1,2
austin austin32 AustinWard austin@gmail.com 8,8
naho naho02 NahoTakamiya naho@yahoo.com 4,6
```

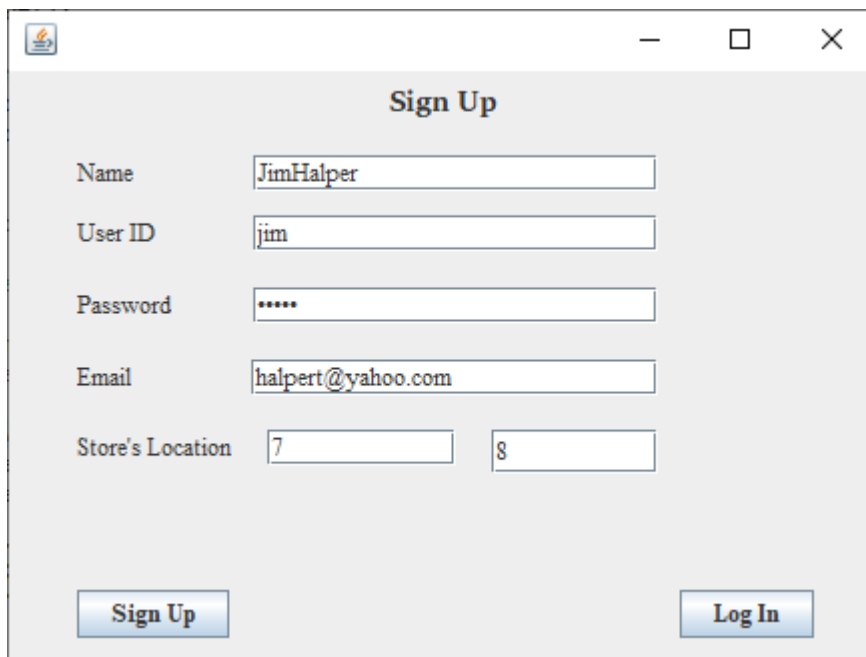
(My apologies for adding the first and last name together since I didn't see it before, and I didn't have the time to fix it).

How I put the Sign Up information in the text file: `userid + " " + password + " " + userName + " " + email + " " + locationX + "," + locationY.`

Here, I took the “userid” and “password” as a string and the userid and the password is used to log in using the SignInPage GUI.

Assumption made: Location is entered as a (x,y) coordinate.

Sign Up Page as a customer:



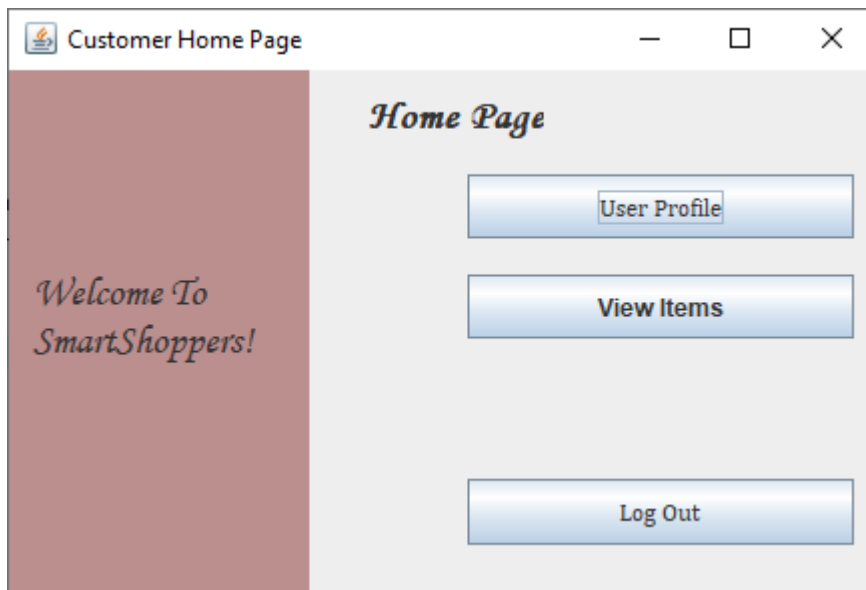
A screenshot of a 'Sign Up' window. The window has a title bar with a small icon and standard minimize, maximize, and close buttons. The title 'Sign Up' is centered at the top. Below the title, there are five input fields: 'Name' with the text 'JimHalper', 'User ID' with the text 'jim', 'Password' with masked characters '*****', 'Email' with the text 'halpert@yahoo.com', and 'Store's Location' which consists of two adjacent input boxes containing the numbers '7' and '8'. At the bottom of the window, there are two buttons: 'Sign Up' on the left and 'Log In' on the right.

After Signing up, it takes the customer to the log in page.



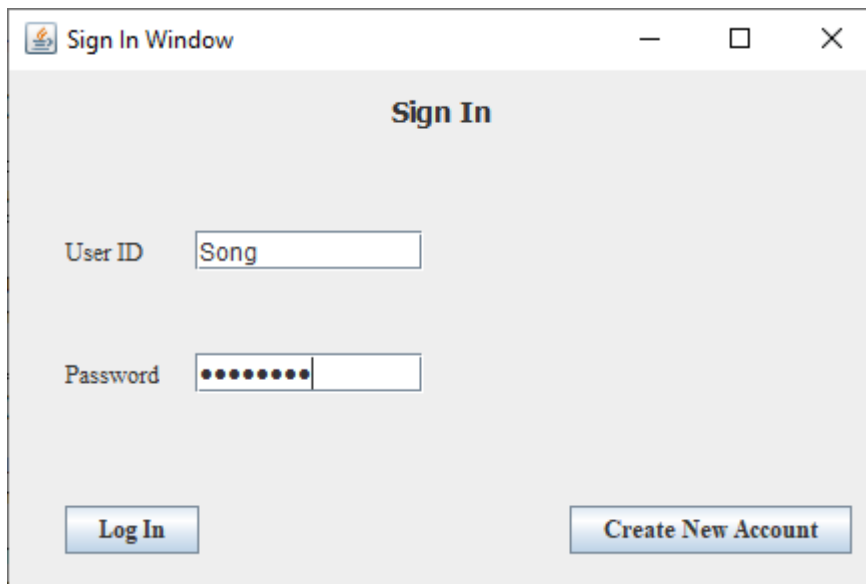
A screenshot of a 'Sign In' window. The window has a title bar with a small icon and standard minimize, maximize, and close buttons. The title 'Sign In' is centered at the top. Below the title, there are two input fields: 'User ID' with the text 'jim' and 'Password' with masked characters '*****'. At the bottom of the window, there are two buttons: 'Log In' on the left and 'Create New Account' on the right.

After the customer signs up, it directly takes them to their home page.



For this project, I have created 3 separate "Home Page" and "User Profile" for customer, manager, and admin. This makes it easier to design the system. I have created a separate itemsGui class for the items where the admin can add or remove or view the items. I plan to create a StoreClass.java class and connect the itemsGui.java to it.

Sign In as an Admin:



User ID: Song

Password: song3311

Please comment the difference between the class diagrams of your final implementation and the initial design in the midterm.

The class diagram of the initial design doesn't have many methods or fields in the class. In my final class diagram, since I got to implement it, I added all the methods and fields that was there on each class. During the midterm class diagram, it was hard to implement a class diagram when we didn't get to program the system. Implementing the system makes it much easier to draw the class diagrams. In my class diagram for the final project, SystemDataClass class diagram manages almost all the other classes.

I have created a demo video, but I had to create 2 videos but it's less than 10mins. Video 1 should be watched first and then Video 2.