Food Delivery Application

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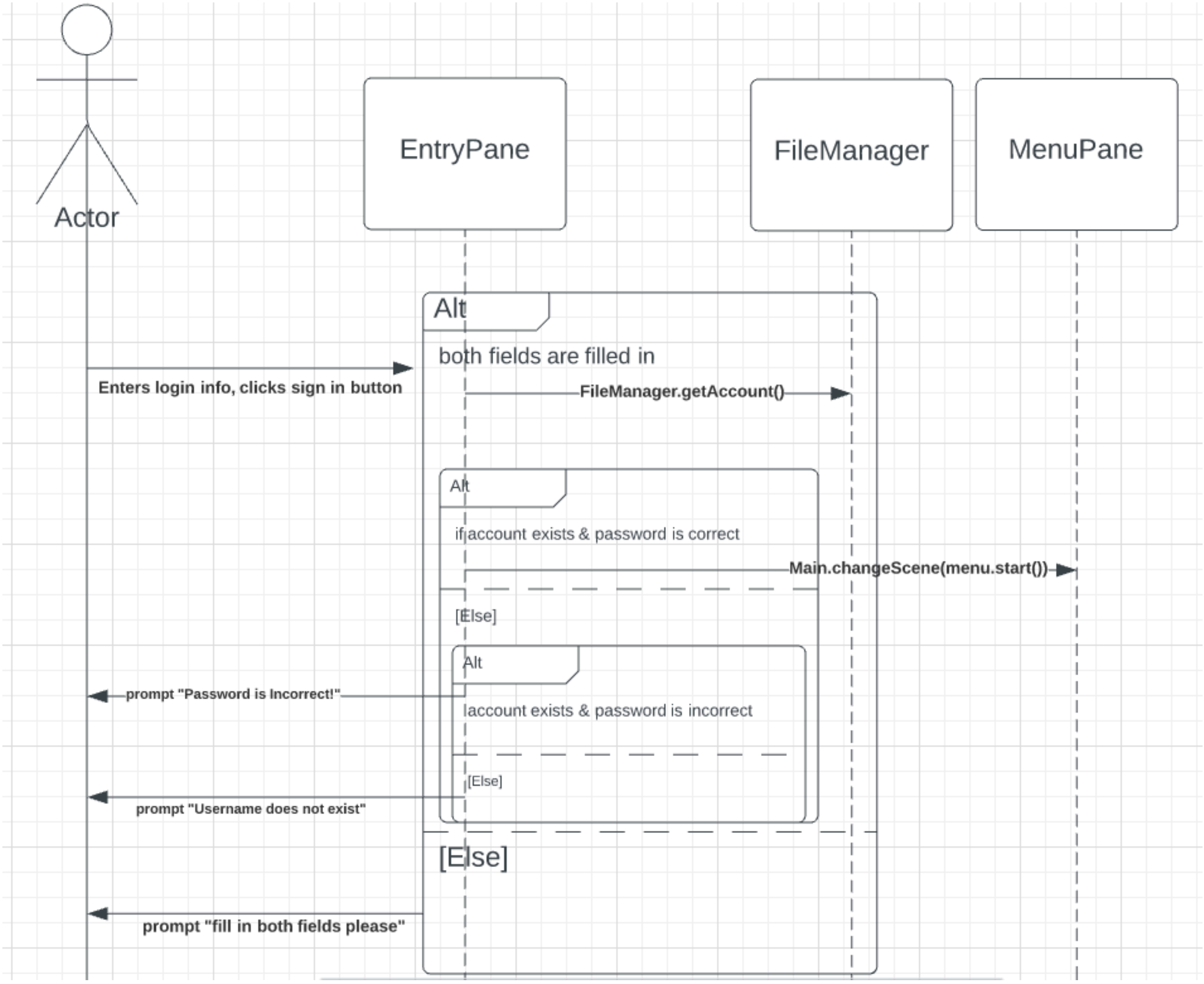
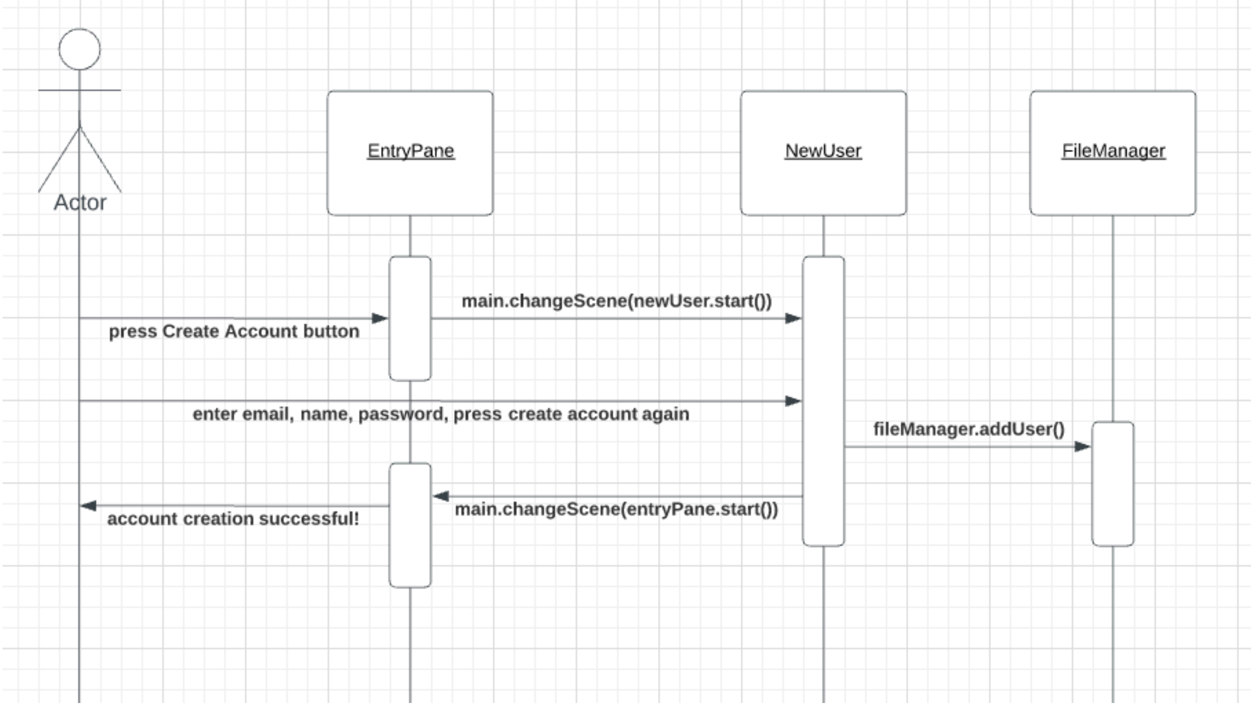
Final UML Diagrams

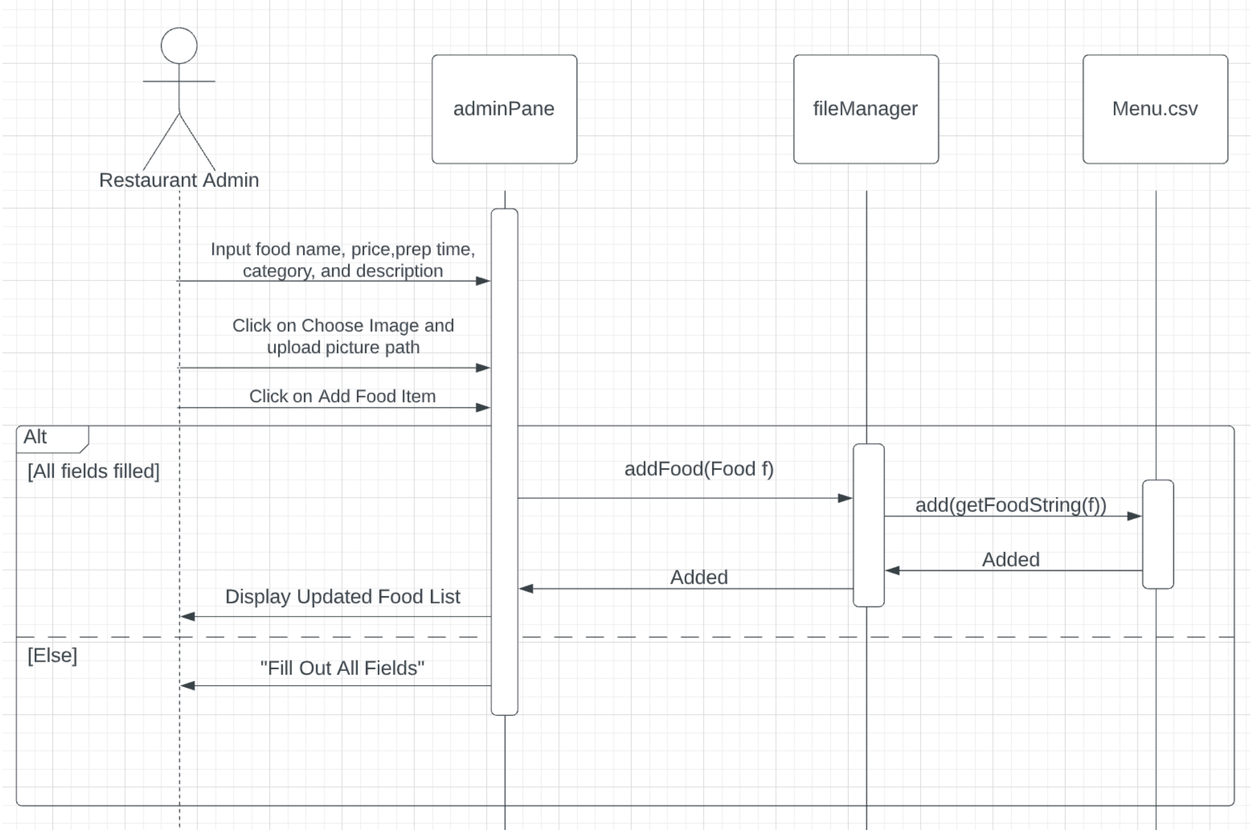
Logging In


Actor
EntryPane
FileManager
MenuPane
Alt
both fields are filled in
Enters login info, clicks sign in button
FileManager.getAccount()
Alt
if account exists & password is correct
Main.changeScene(menu.start())
[Else]
Alt
account exists & password is incorrect
prompt "Password is Incorrect!"
[Else]
prompt "Username does not exist"
[Else]
prompt "fill in both fields please"

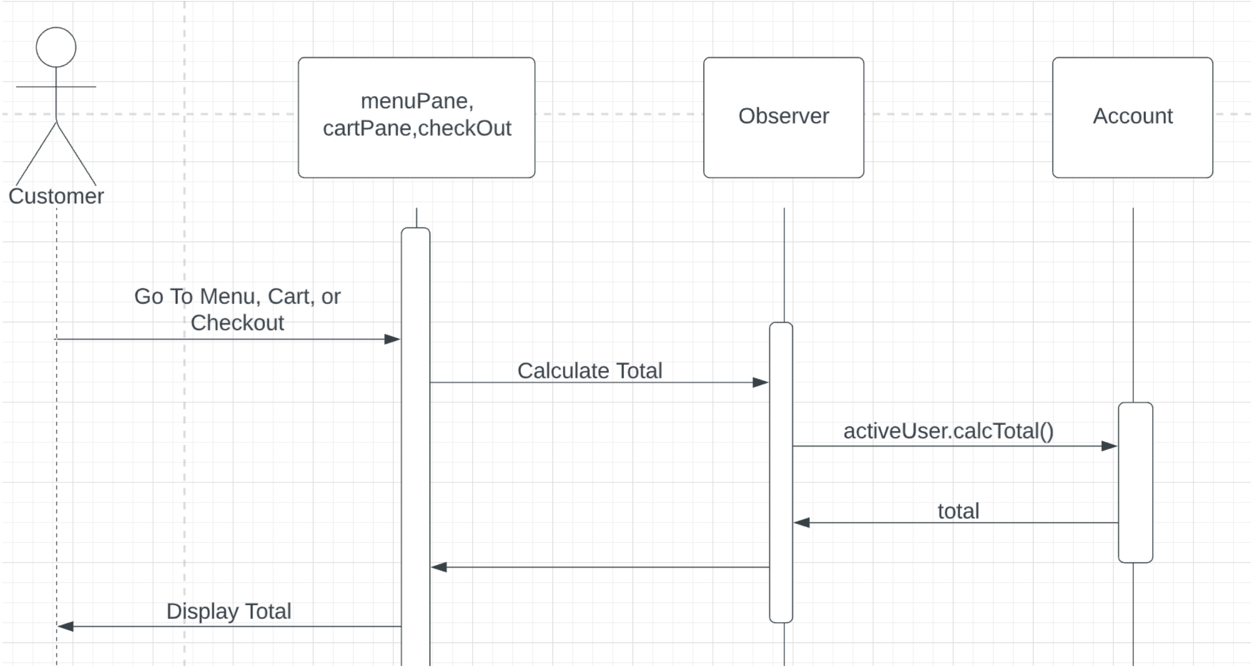
Creating an Account


Actor
EntryPane
NewUser
FileManager
main.changeScene(newUser.start())
press Create Account button
enter email, name, password, press create account again
fileManager.addUser()
main.changeScene(entryPane.start())
account creation successful!

Add Food To Menu



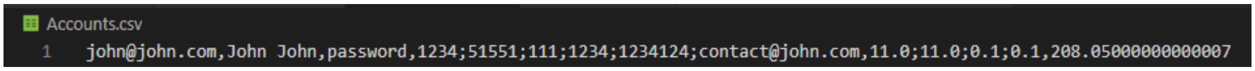
Calculate Total



List of Tests

Test 1: Checking for User Existence - This tests to see if the user information saved in the Accoutns.csv file is used correctly

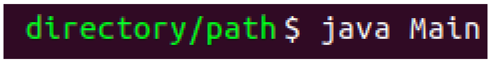
Step 1: Make sure a username and password is saved in Accounts.csv



Accounts.csv

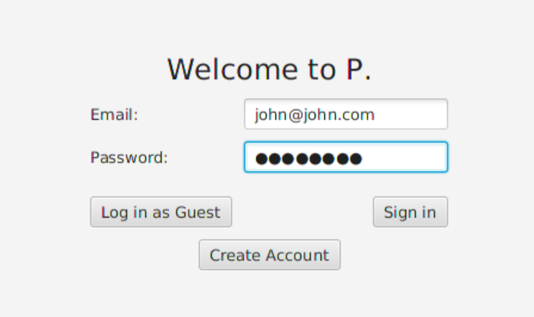
```
john@john.com,John John,password,1234;51551;111;1234;1234124;contact@john.com,11.0;11.0;0.1;0.1,208.05000000000007
```

Step 2: Start the program using 'java Main' in the directory with the stored files.



```
directory/path$ java Main
```

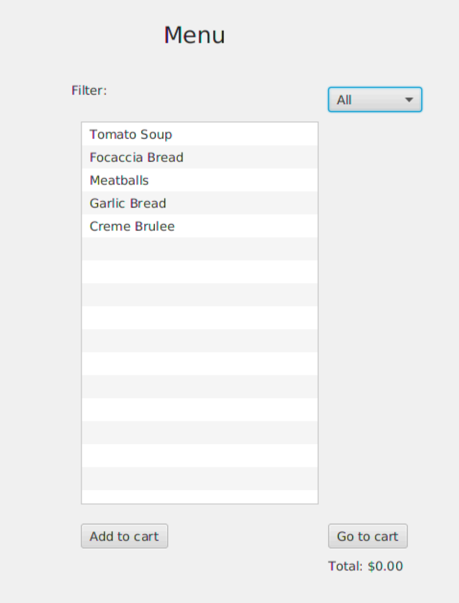
Step 3: Input username and password



Email: john@john.com

Password: ●●●●●●●●

Step 4: Click the 'Sign In' button



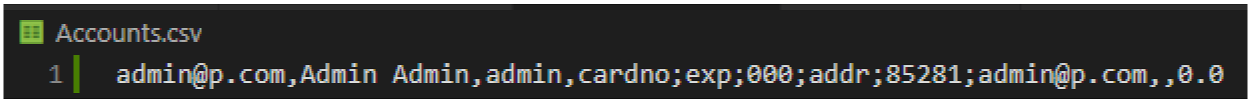
Filter: All

Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee

Total: $0.00

Test 2: Admin Login - This tests to see if the admin can login to their admin account. This test is successful if the admin is able to reach the AdminPane screen, where they can update coupon settings and add food to the menu.

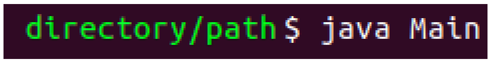
Step 1: Make sure there is a Username with admin access in the Accounts.csv



Accounts.csv

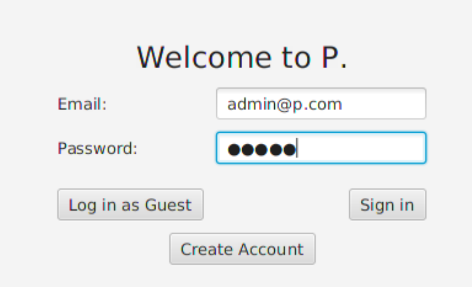
```
admin@p.com,Admin Admin,admin,cardno;exp;000;addr;85281;admin@p.com,,0.0
```

Step 2: Start the program using ‘java Main’ in the directory with the stored files.



```
directory/path$ java Main
```

Step 3: Log into the admin account.

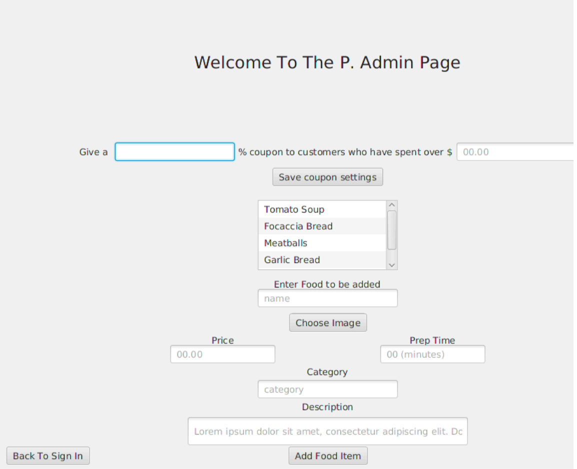


Welcome to P.

Email: admin@p.com

Password: ●●●●●

Step 4: Click the ‘Sign In’ button



Welcome To The P. Admin Page

Give a [ ] % coupon to customers who have spent over $ 00.00

Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread

Enter Food to be added: name

Price: 00.00

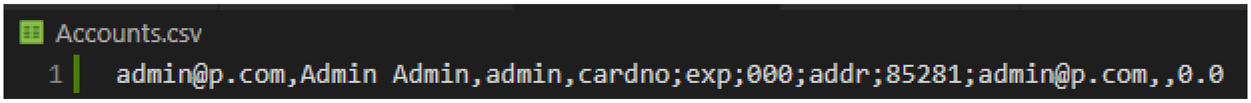
Prep Time: 00 (minutes)

Category: category

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Dc

Test 3: (Admin) Updating Coupon Settings - This tests to see that the admin can update coupon settings, and that they are saved in the system

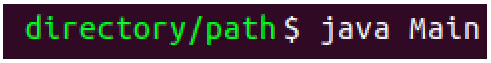
Step 1: Make sure there is a Username with admin access in the Accounts.csv



Accounts.csv

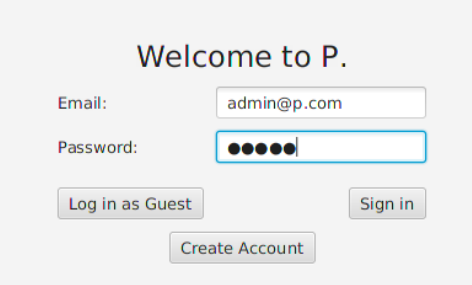
```
admin@p.com,Admin Admin,admin,cardno;exp;000;addr;85281;admin@p.com,,0.0
```

Step 2: Start the program using ‘java Main’ in the directory with the stored files.



```
directory/path$ java Main
```

Step 3: Log into the admin account.

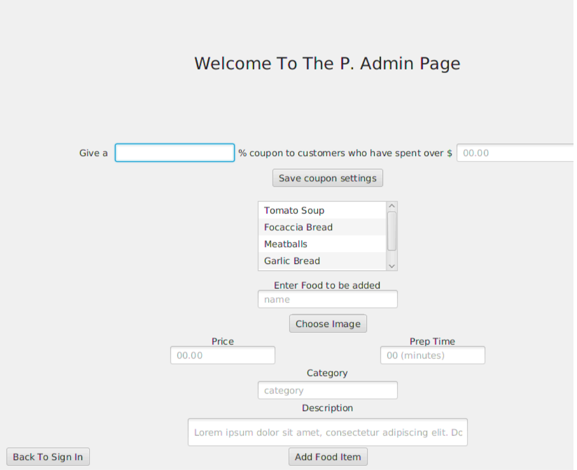


Welcome to P.

Email: admin@p.com

Password: ●●●●●

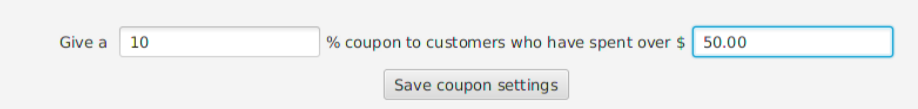
Step 4: Click the ‘Sign In’ button



Welcome To The P. Admin Page

Give a [ ] % coupon to customers who have spent over $ 00.00

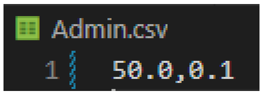
Step 5: Insert new coupon information in the text fields.



Give a 10 % coupon to customers who have spent over $ 50.00

Step 6: Click the ‘Save coupon settings’ button

Step 7: Check that the coupon was added to the Admin.csv (spentAmount, precent)

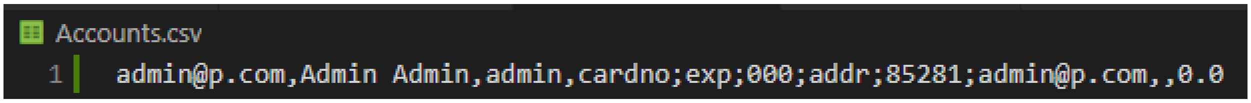


Admin.csv

```
50.0,0.1
```

Test 4: (Admin) Adding food to the Menu - This tests that the admin can add food to the menu, and that the new item is saved to the file properly

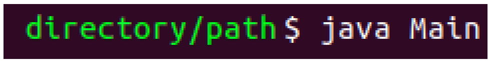
Step 1: Make sure there is a Username with admin access in the Accounts.csv



Accounts.csv

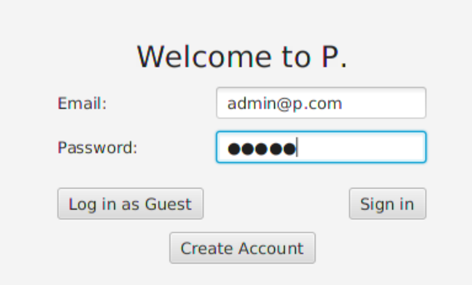
```
admin@p.com,Admin Admin,admin,cardno;exp;000;addr;85281;admin@p.com,,0.0
```

Step 2: Start the program using ‘java Main’ in the directory with the stored files.



```
directory/path$ java Main
```

Step 3: Log into the admin account.

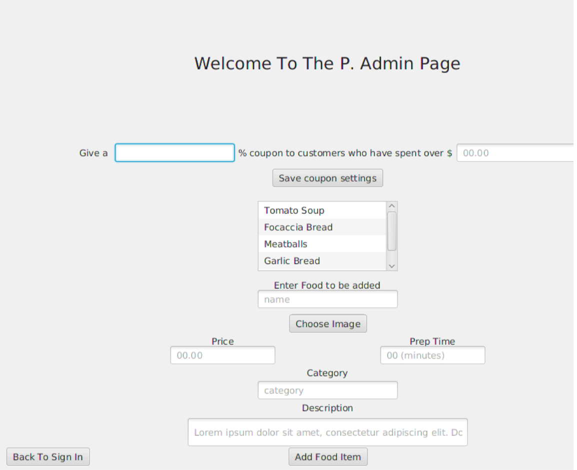


Welcome to P.

Email: admin@p.com

Password: ●●●●●

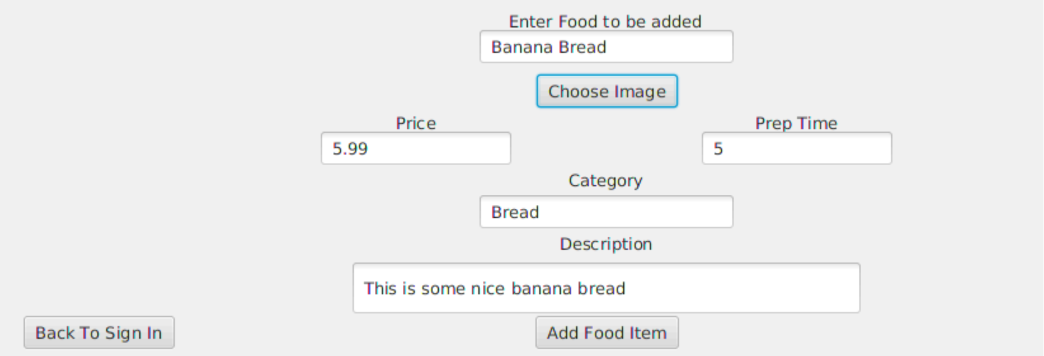
Step 4: Click the ‘Sign In’ button



Welcome To The P. Admin Page

Give a ____ % coupon to customers who have spent over $ 00.00

Step 5: Fill in the following text boxes: Enter Food to be added, Proce, Price Time, Category, Description, and choose an image for the food



Enter Food to be added
Banana Bread

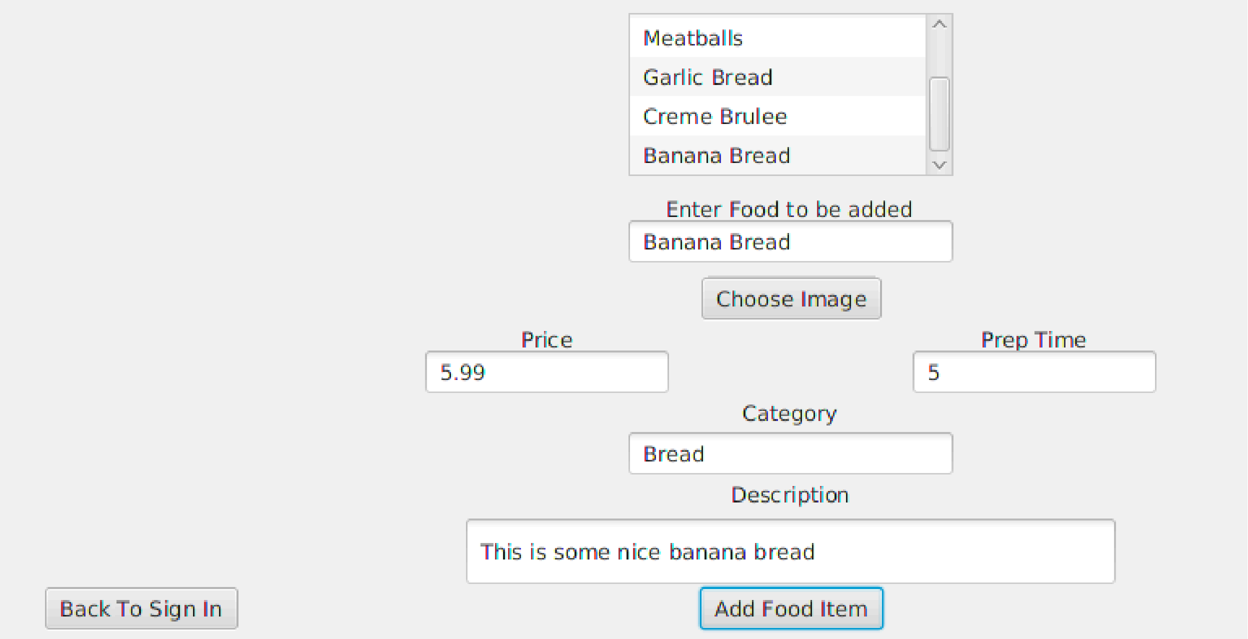
Price
5.99

Prep Time
5

Category
Bread

Description
This is some nice banana bread

Step 6: Click the ‘Add Food Item’ button, and scroll down the box to see if the item is there



Meatballs
Garlic Bread
Creme Brulee
Banana Bread

Enter Food to be added
Banana Bread

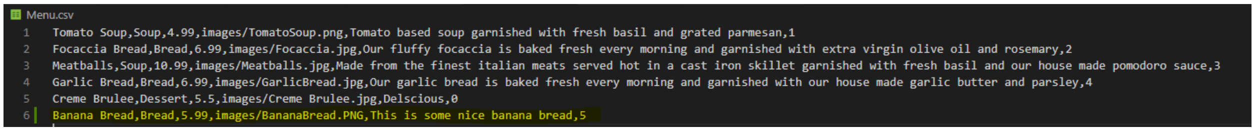
Price
5.99

Prep Time
5

Category
Bread

Description
This is some nice banana bread

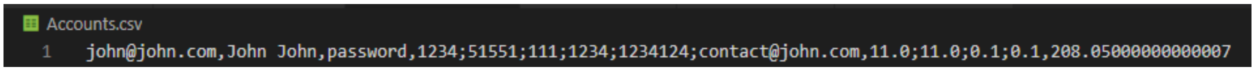
Step 7: Check Menu.csv to make sure that the food has been added successfully



```
Tomato Soup,Soup,4.99,images/TomatoSoup.png,Tomato based soup garnished with fresh basil and grated parmesan,1
Focaccia Bread,Bread,6.99,images/Focaccia.jpg,Our fluffy focaccia is baked fresh every morning and garnished with extra virgin olive oil and rosemary,2
Meatballs,Soup,10.99,images/Meatballs.jpg,Made from the finest italian meats served hot in a cast iron skillet garnished with fresh basil and our house made pomodoro sauce,3
Garlic Bread,Bread,6.99,images/GarlicBread.jpg,Our garlic bread is baked fresh every morning and garnished with our house made garlic butter and parsley,4
Creme Brulee,Dessert,5.5,images/Creme Brulee.jpg,Delscious,0
Banana Bread,Bread,5.99,images/BananaBread.PNG,This is some nice banana bread,5
```

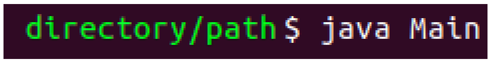
Test 5: (Customer)Adding food to the cart - This tests that food can be added to the cart, and that it's saved properly

Step 1: Make sure a username and password is saved in Accounts.csv



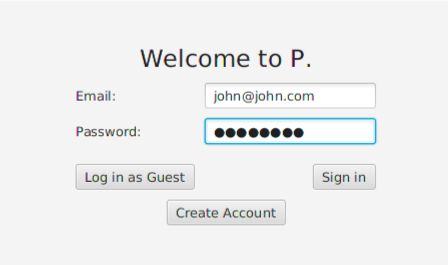
```
Accounts.csv
john@john.com,John John,password,1234;51551;111;1234;1234124;contact@john.com,11.0;11.0;0.1;0.1,208.05000000000007
```

Step 2: Start the program using 'java Main' in the directory with the stored files.



```
directory/path$ java Main
```

Step 3: Input username and password

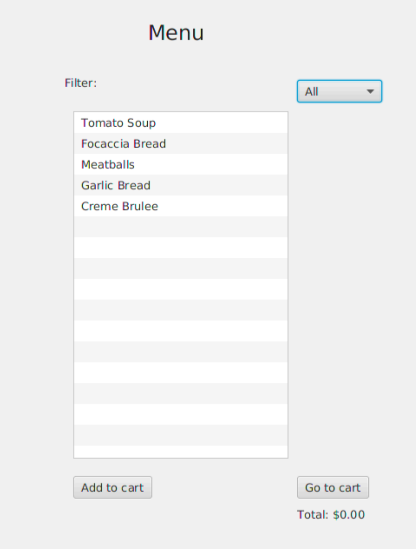


Welcome to P.

Email: john@john.com

Password: ●●●●●●●●

Step 4: Click the 'Sign In' button

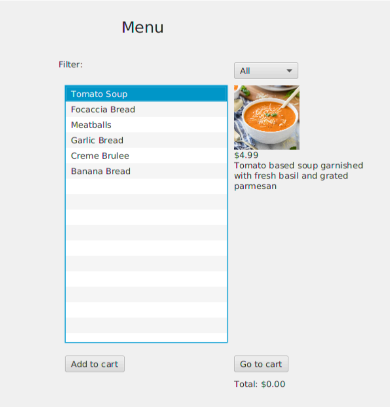


Menu

Filter: All

Total: $0.00

Step 5: Click on a food item



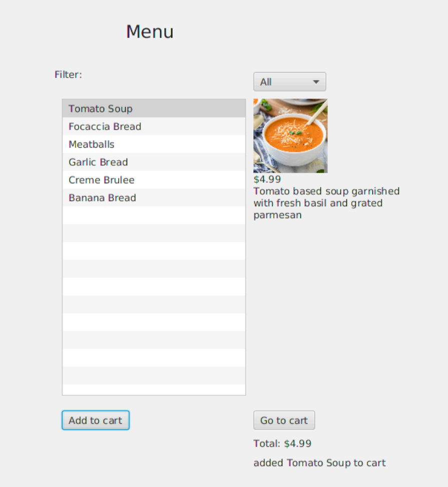
Menu

Filter: All

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $0.00

Step 6: Click ‘Add to cart’ button



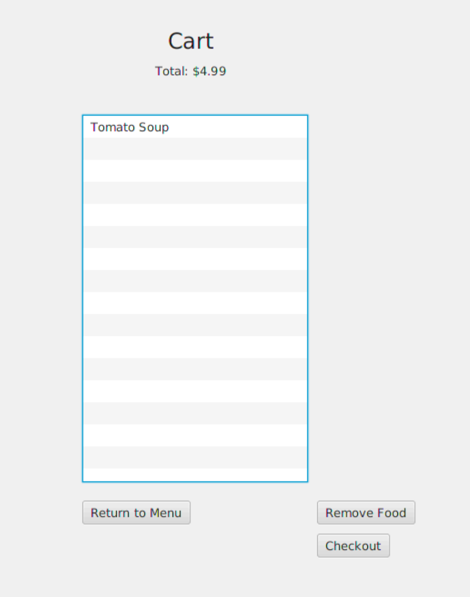
Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee
Banana Bread

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $4.99

added Tomato Soup to cart

Step 7: Click ‘Go to cart’ Button

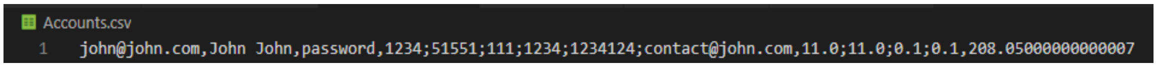


Total: $4.99

Tomato Soup

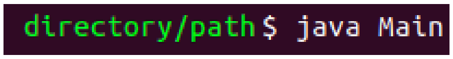
Test 6: Checkout - This tests the checkout functionality, that food is displayed correctly, the total is calculated, and that the prep time is calculated as well as saved to the file.

Step 1: Make sure a username and password is saved in Accounts.csv



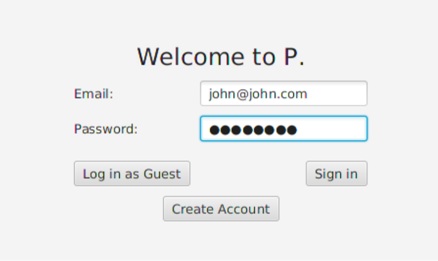
```
Accounts.csv
john@john.com,John John,password,1234;51551;111;1234;1234124;contact@john.com,11.0;11.0;0.1;0.1,208.05000000000007
```

Step 2: Start the program using ‘java Main’ in the directory with the stored files.



```
directory/path$ java Main
```

Step 3: Input username and password

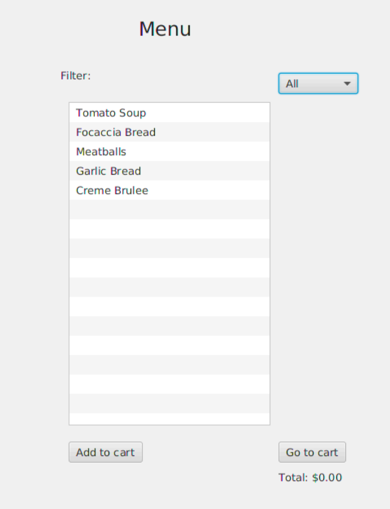


Welcome to P.

Email: john@john.com

Password: ●●●●●●●●●

Step 4: Click the ‘Sign In’ button



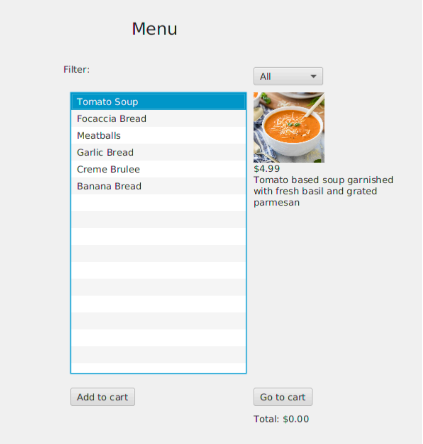
Menu

Filter: All

Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee

Total: $0.00

Step 5: Click on a food item

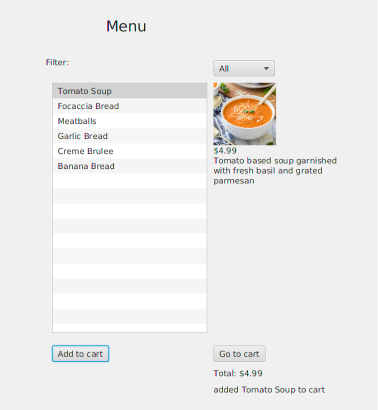


Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee
Banana Bread

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $0.00

Step 6: Click ‘Add to cart’ button



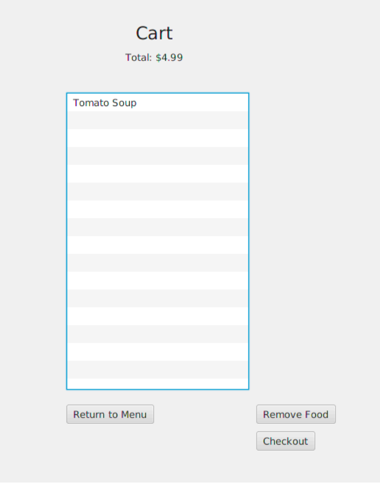
Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee
Banana Bread

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $4.99

added Tomato Soup to cart

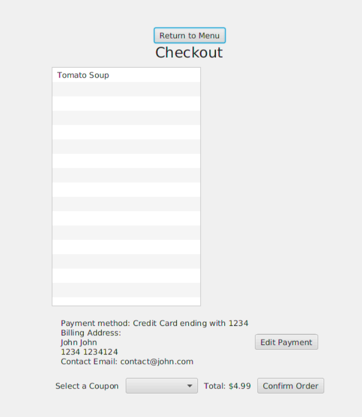
Step 7: Click ‘Go to cart’ Button



Total: $4.99

Tomato Soup

Step 8: Check to see if total price to be paid is showed correctly, and click the ‘Checkout’ button



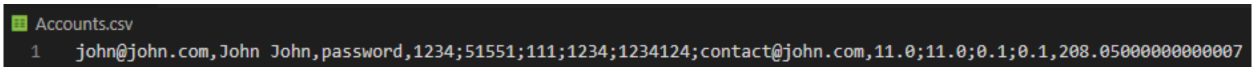
Checkout

Tomato Soup

Payment method: Credit Card ending with 1234
Billing Address:
John John
1234 1234124
Contact Email: contact@john.com

Select a Coupon   Total: $4.99

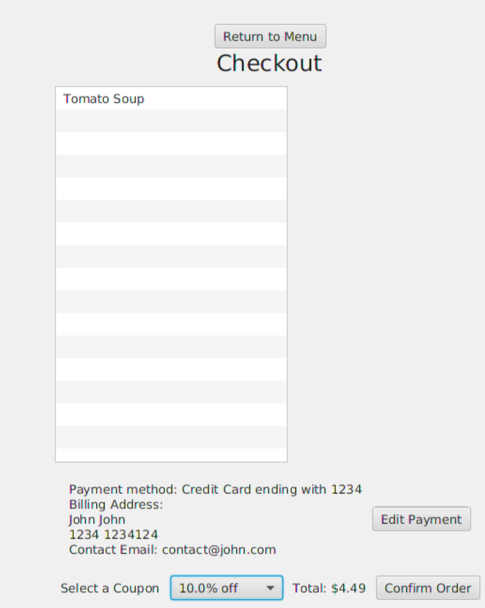
Step 9: Make sure proper payment info is displayed and being used. Check the Account.csv file to see if the info lines up.



Accounts.csv

```
john@john.com,John John,password,1234;51551;111;1234;1234124;contact@john.com,11.0;11.0;0.1;0.1,208.05000000000007
```

Step 10: Click to apply a coupon, and double check the new total



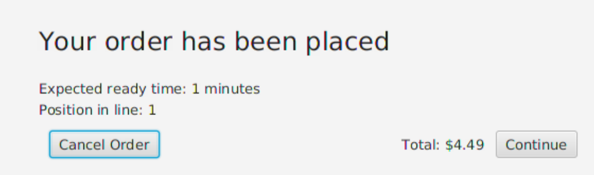
Checkout

Tomato Soup

Payment method: Credit Card ending with 1234
Billing Address:
John John
1234 1234124
Contact Email: contact@john.com

Select a Coupon 10.0% off Total: $4.49

Step 11: Click the ‘Confirm Order’ button.

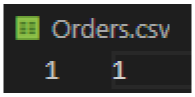


Your order has been placed

Expected ready time: 1 minutes
Position in line: 1

Total: $4.49

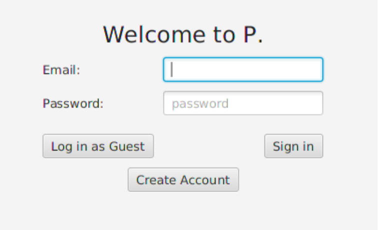
Step 12: Check the Orders.csv file to see if the correct order time is saved



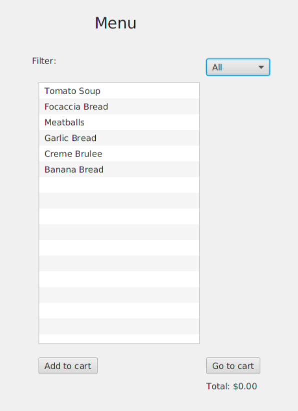
Orders.csv

```
1
```

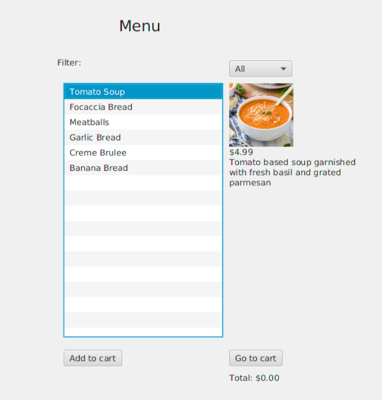
Test 7: Guest Login and Ordering - This tests that the guest login works just like a normal account, and that the payment info can be added at the end for guest accounts



Step 1: Click the ‘Log in as Guest’ button.

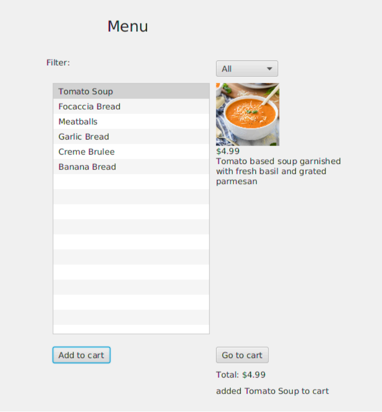


Step 2: Click on a food item



$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Step 3: Click ‘Add to cart’ button



Menu

Filter: All

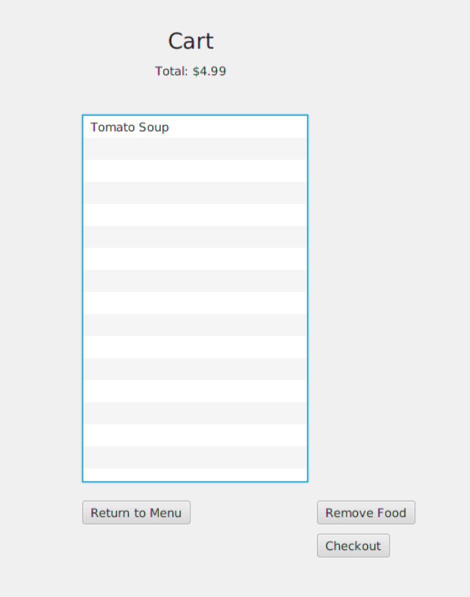
Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee
Banana Bread

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $4.99

added Tomato Soup to cart

Step 4: Click ‘Go to cart’ Button

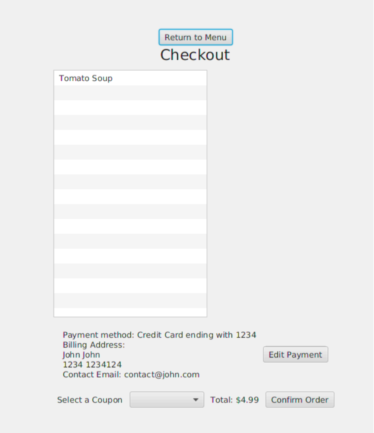


Cart

Total: $4.99

Tomato Soup

Step 5: Check to see if total price to be paid is showed correctly, and click the ‘Checkout’ button



Checkout

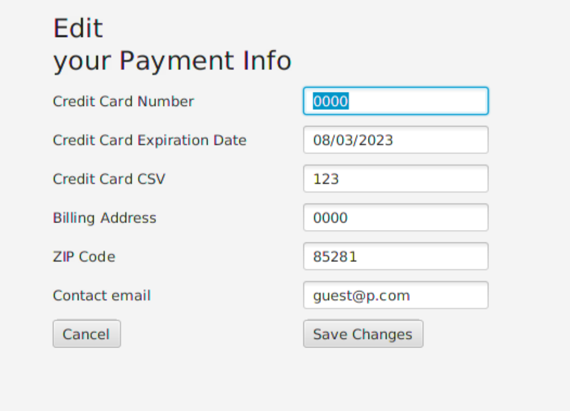
Tomato Soup

Payment method: Credit Card ending with 1234
Billing Address:
John John
1234 1234124
Contact Email: contact@john.com

Select a Coupon

Total: $4.99

Step 6: Check that the guest can input there payment information by clicking the ‘Edit Payment’ button



Edit
your Payment Info

Credit Card Number 0000

Credit Card Expiration Date 08/03/2023

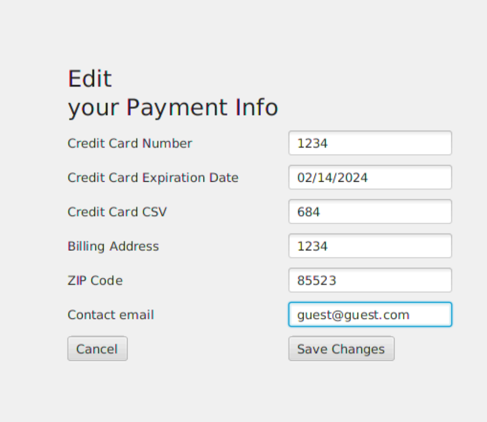
Credit Card CSV 123

Billing Address 0000

ZIP Code 85281

Contact email guest@p.com

Step 7: Input new payment information



Edit
your Payment Info

Credit Card Number 1234

Credit Card Expiration Date 02/14/2024

Credit Card CSV 684

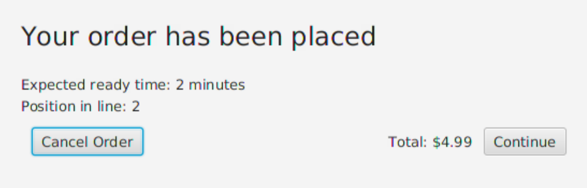
Billing Address 1234

ZIP Code 85523

Contact email guest@guest.com

Step 8: Click the ‘Save Changes’ button to return to the checkout page

Step 9: Click the ‘Confirm Order’ button



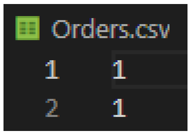
Your order has been placed

Expected ready time: 2 minutes

Position in line: 2

Total: $4.99

Step 10: Check the Orders.csv file, and double check that the corresponding order time was added on the bottom of the file (in this case one lin 2)

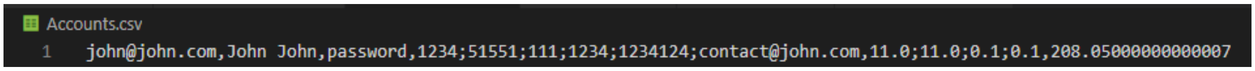


Orders.csv

```
1   1
2   1
```

Test 8: Updating payment/contact information - This tests that the payments and contact information can be changed, is displayed properly, and is saved in the proper file.

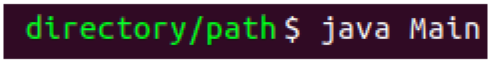
Step 1: Make sure a username and password is saved in Accounts.csv



Accounts.csv

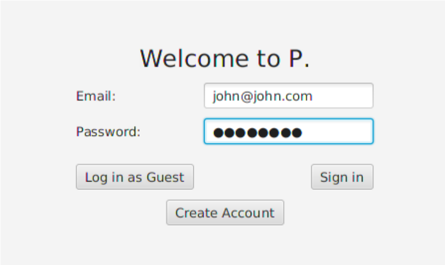
```
john@john.com,John John,password,1234;51551;111;1234;1234124;contact@john.com,11.0;11.0;0.1;0.1,208.05000000000007
```

Step 2: Start the program using ‘java Main’ in the directory with the stored files.



```
directory/path$ java Main
```

Step 3: Input username and password

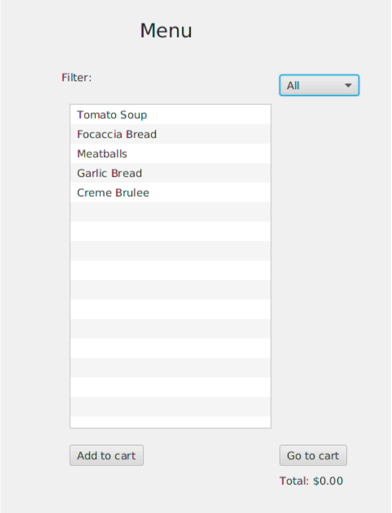


Welcome to P.

Email: john@john.com

Password: ●●●●●●●●

Step 4: Click the ‘Sign In’ button



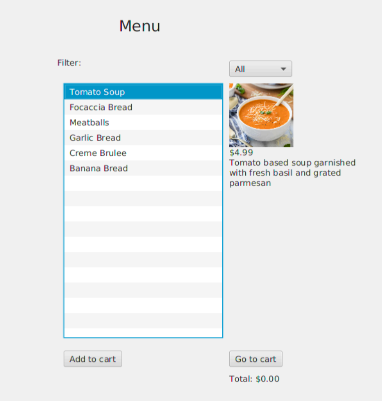
Menu

Filter: All

Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee

Total: $0.00

Step 5: Click on a food item

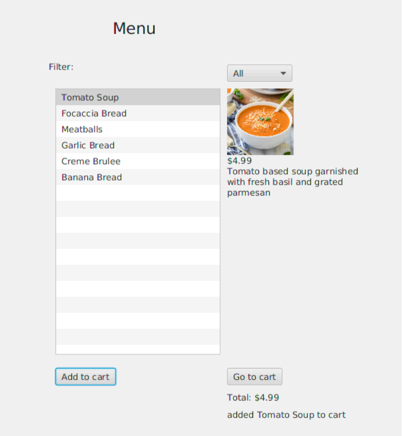


Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee
Banana Bread

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $0.00

Step 6: Click ‘Add to cart’ button



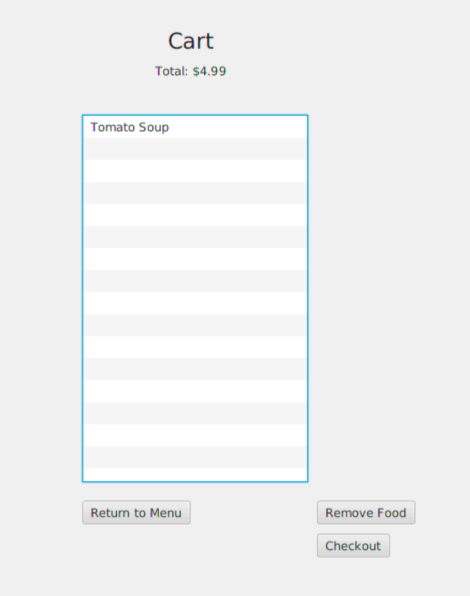
Tomato Soup
Focaccia Bread
Meatballs
Garlic Bread
Creme Brulee
Banana Bread

$4.99
Tomato based soup garnished with fresh basil and grated parmesan

Total: $4.99

added Tomato Soup to cart

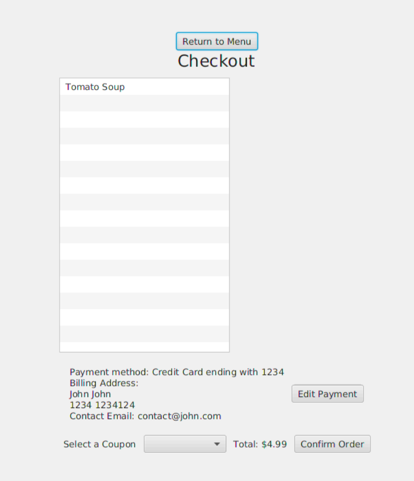
Step 7: Click ‘Go to cart’ Button



Total: $4.99

Tomato Soup

Step 8: Check to see if total price to be paid is showed correctly, and click the ‘Checkout’ button



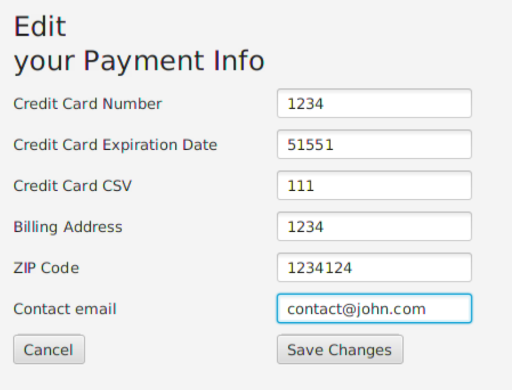
Checkout

Tomato Soup

Payment method: Credit Card ending with 1234
Billing Address:
John John
1234 1234124
Contact Email: contact@john.com

Select a Coupon Total: $4.99

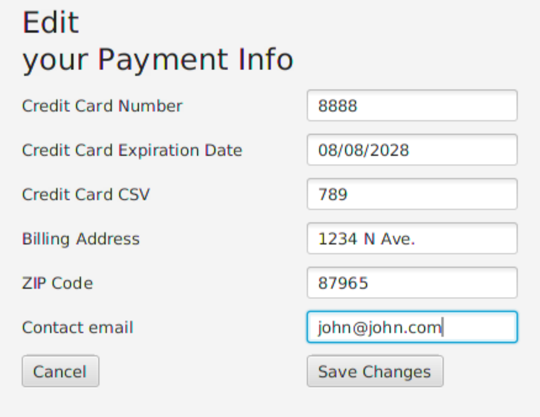
Step 9: Click the ‘Edit Payment’ button



Edit
your Payment Info

Credit Card Number	1234
Credit Card Expiration Date	51551
Credit Card CSV	111
Billing Address	1234
ZIP Code	1234124
Contact email	contact@john.com

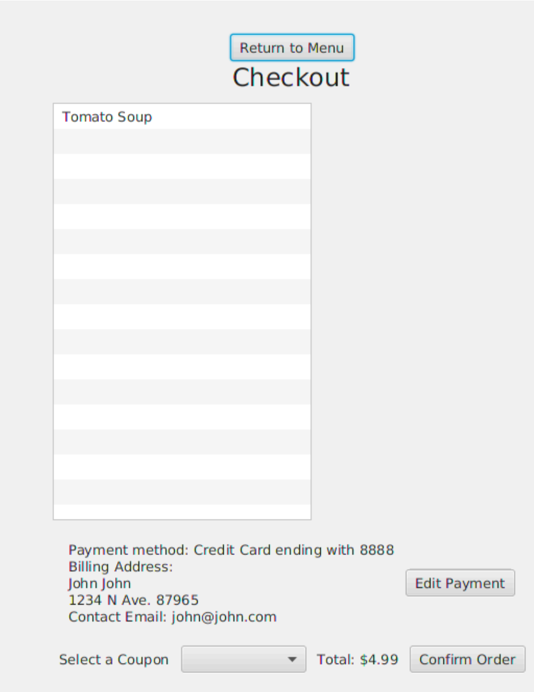
Step 10: Insert the new payment information



Edit
your Payment Info

Credit Card Number	8888
Credit Card Expiration Date	08/08/2028
Credit Card CSV	789
Billing Address	1234 N Ave.
ZIP Code	87965
Contact email	john@john.com

Step 11: Click the ‘Save Changes’ button, and double check that the new info displayed is correct



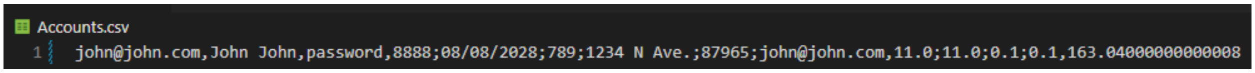
Checkout

Tomato Soup

Payment method: Credit Card ending with 8888
Billing Address:
John John
1234 N Ave. 87965
Contact Email: john@john.com

Total: $4.99

Step 12: Check the Accounts.csv file for the updated payment information



Accounts.csv

```
john@john.com,John John,password,8888;08/08/2028;789;1234 N Ave.;87965;john@john.com,11.0;11.0;0.1;0.1,163.04000000000008
```

Future Work

- Rewrite the program to not use Java (utilizing python or HTML/CSS)
- Include user survey after the order is complete assessing the quality of the service
- Allow the user to split the order onto multiple checks
- Create tables and graphs for the admins to track profit, orders received, and user feedback
- Improve look of the application