Ubaid Ur Rehman

BSCS-5B

Reg. number: 00000123495

uurehman.bscs15seecs@seecs.edu.pk

Advanced Programming

Lab 3 Document (e-Cafe)

# Introduction

# A new restaurant in Islamabad wants to establish a niche by providing an online reservation system for their customers. The administration wants to use the same system to ensure optimal resource (servers, tables, time) allocation for any impromptu guests. The restaurant plans to stay open between 11:00am – 10:00pm. The customer can select any number of items and will be able to see a bill generated for all the selected items. Every delivery must happen with-in 30 minutes between the cafe opening time and 10:30pm.

# Approach

First a user is shown a menu of items available in the café. And he can select as many items as he can. In parallel, total bill amount is being calculated. After the user is done with order, a timeEstimate function is being called which provides the time when the order will be ready. And A string “order” is being maintained throughout the process and been displayed at the end of program in the form of a receipt.

# Output:

\_\_\_\_\_\_ E-Cafe \_\_\_\_\_\_

Enter your choice number to select food.

Item Price

--Appetizers--

1. Butter Bread 30

2. Ginger Bread 40

3. Cheese Bread 50

4. Sweet Bread 60

--Soups--

5. Chicken Soup 180

6. Corn Soup 140

--Main Course Dishes--

7. Zinger Burger 280

8. Fish Burger 390

9. Plain Burger 220

10. Spicy Burger 210

11. Cheese Burger 250

12. Tikka Burger 270

--Side Dishes--

13. Hot Wing 40

14. Chicken Shashlick 200

15. Club Sandwich 170

0. Finish Order

5

Chicken Soup 180

Item Price

--Appetizers--

1. Butter Bread 30

2. Ginger Bread 40

3. Cheese Bread 50

4. Sweet Bread 60

--Soups--

5. Chicken Soup 180

6. Corn Soup 140

--Main Course Dishes--

7. Zinger Burger 280

8. Fish Burger 390

9. Plain Burger 220

10. Spicy Burger 210

11. Cheese Burger 250

12. Tikka Burger 270

--Side Dishes--

13. Hot Wing 40

14. Chicken Shashlick 200

15. Club Sandwich 170

0. Finish Order

9

Plain Burger 220

Item Price

--Appetizers--

1. Butter Bread 30

2. Ginger Bread 40

3. Cheese Bread 50

4. Sweet Bread 60

--Soups--

5. Chicken Soup 180

6. Corn Soup 140

--Main Course Dishes--

7. Zinger Burger 280

8. Fish Burger 390

9. Plain Burger 220

10. Spicy Burger 210

11. Cheese Burger 250

12. Tikka Burger 270

--Side Dishes--

13. Hot Wing 40

14. Chicken Shashlick 200

15. Club Sandwich 170

0. Finish Order

12

Tikka Burger 270

Item Price

--Appetizers--

1. Butter Bread 30

2. Ginger Bread 40

3. Cheese Bread 50

4. Sweet Bread 60

--Soups--

5. Chicken Soup 180

6. Corn Soup 140

--Main Course Dishes--

7. Zinger Burger 280

8. Fish Burger 390

9. Plain Burger 220

10. Spicy Burger 210

11. Cheese Burger 250

12. Tikka Burger 270

--Side Dishes--

13. Hot Wing 40

14. Chicken Shashlick 200

15. Club Sandwich 170

0. Finish Order

0

How would you like to get you order?

1. Take away

2. Home Delivery

Enter your choice

2

Enter the address you want your order to be delivered.

Seecs, NUST

Current time: 7:5:39

Your order will be ready at 7:35:39

--Your Recipt--

Chicken Soup 180

Plain Burger 220

Tikka Burger 270

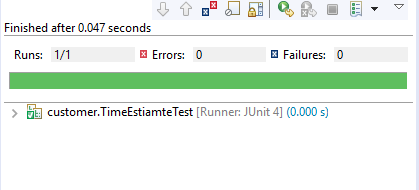
Total bill amount = 670

Current time: 7:5:39

Order to be delivered at "Seecs, NUST" within 30 min.

Thanks for visiting E-Cafe. Hope you will come again.

Unit Test:



Github link: https://github.com/uurehman/e-Cafe