

## Documentation

I Peter Schwartz (n9500375) would prefer for my partner and I to receive separate individual marks for the assignment rather than the same average mark.

### Group Members:

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## Evidence of GUI functionality

GUI: On start-up

Pizza Palace

WELCOME TO PIZZA GUI

Load Log File Reset

**Customer Information**

Customer Name: Customername

Mobile Number: Mobilenumber

Customer Type: Customertype

Customer Location: Location

Distance (restaurant): Distance

<< Previous

**Order Information**

Pizza Type: Type

Quantity: Quantity

Order Price: Price

OrderCost: Cost

Order Profit: Profit

Next >>

**Order Calculations**

Total Profit: 0

Total Distance Trave... 0

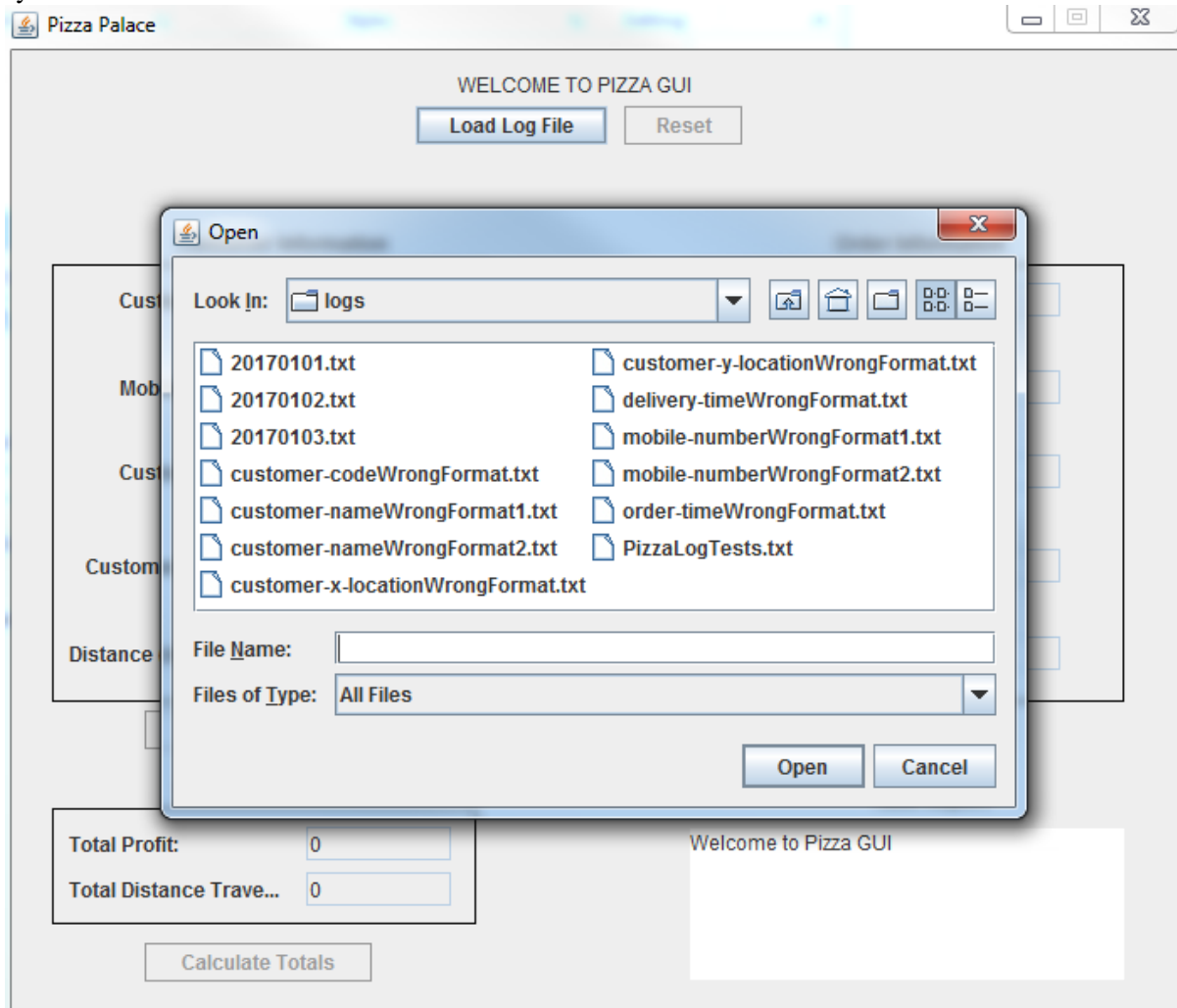
Calculate Totals

**Task Report**

Welcome to Pizza GUI

### GUI: Load Log File Button Press

**PAG to load Log file** - The user must be able to load a log file that is saved on disk. The functionality to request opening a file can be done via JButton or similar and actual files can be chosen via a JFileChooser. Once the log file is chosen it should be processed and analysed by the rest of the system.



## GUI: Log File Selected (open)

Pizza Palace

WELCOME TO PIZZA GUI

Load Log File Reset

Customer Information	Select Customer:	Order Information
Customer Name: Aiden Zhang	Aiden Zhang ▼	Pizza Type: Vegetarian
Mobile Number: 0161429209	Total Customers: 100	Quantity: 2
Customer Type: Driver Delivery	Record Number: 0	Order Price: \$20.00
Customer Location: -3, 9		OrderCost: \$11.00
Distance (restaurant): 12.00		Order Profit: \$9.00

<< Previous

Next >>

Order Calculations	Task Report
Total Profit: 0	Successfully loaded Record info! :)
Total Distance Trave... 0	

Calculate Totals

### GUI: Next button Press

**PAG to display information** - Once the information is processed the user can PAG to display the information contained in the log files. Separate components should be used to display information about the customers and the pizzas. A component such as a JTextField or JTable is suitable to display this information. The information needs to be user friendly, so the codes used to describe pizzas and customers should be translated into pizza and customer 'types' using descriptive language (Margherita, Meat Lovers, Vegetarian/Pick Up, Driver Delivery, Drone Delivery). The user must not be allowed to perform this gesture unless the log file has successfully been loaded.

The screenshot displays the 'Pizza Palace' GUI window. At the top, it says 'WELCOME TO PIZZA GUI' with 'Load Log File' and 'Reset' buttons. The interface is divided into several sections: 'Customer Information' with fields for Name (Aria Thompson), Mobile Number (0695536923), Customer Type (Driver Delivery), Customer Location (6, 0), and Distance (restaurant) (6.00); 'Order Information' with fields for Pizza Type (Vegetarian), Quantity (6), Order Price (\$60.00), Order Cost (\$33.00), and Order Profit (\$27.00); 'Order Calculations' with Total Profit (0) and Total Distance Trave... (0); and a 'Task Report' area showing 'Successfully loaded Record info! :)'. Navigation buttons include '<< Previous', 'Next >>', and 'Calculate Totals'. A central area shows 'Select Customer: Aria Thomp...', 'Total Customers: 100', and 'Record Number: 1'.

Section	Field	Value
Customer Information	Customer Name	Aria Thompson
	Mobile Number	0695536923
	Customer Type	Driver Delivery
	Customer Location	6, 0
	Distance (restaurant)	6.00
Order Information	Pizza Type	Vegetarian
	Quantity	6
	Order Price	\$60.00
	Order Cost	\$33.00
	Order Profit	\$27.00
Order Calculations	Total Profit	0
	Total Distance Trave...	0
Task Report	Message	Successfully loaded Record info! :)

## GUI: Previous button Press

Pizza Palace

WELCOME TO PIZZA GUI

Load Log File Reset

**Customer Information**

Customer Name: Ethan Zhang

Mobile Number: 0724528976

Customer Type: Drone Delivery

Customer Location: -4, -6

Distance (restaurant): 7.21

<< Previous

Select Customer:

Ethan Zhang ▼

Total Customers: 100

Record Number: 99

**Order Information**

Pizza Type: Margherita

Quantity: 5

Order Price: \$40.00

OrderCost: \$7.50

Order Profit: \$32.50

Next >>

**Order Calculations**

Total Profit: 0

Total Distance Trave... 0

Calculate Totals

**Task Report**

Successfully loaded Record info! :)

GUI: Calculate Totals button press

**PAG to perform and display calculations** - Once the information is processed the user can PAG to calculate the total profit made and total distance travelled for all orders made that day. Again, separate components should be used to display each total. A component such as a JTextField is suitable to display each total. The user must not be allowed to perform this gesture unless the log file has successfully been loaded.

The screenshot shows a Java Swing window titled "Pizza Palace". Inside, there's a header "WELCOME TO PIZZA GUI" with "Load Log File" and "Reset" buttons. The main area is divided into several sections:

- Customer Information:** Fields for Customer Name (Aiden Zhang), Mobile Number (0161429209), Customer Type (Driver Delivery), Customer Location (-3, 9), and Distance (restaurant) (12.00).
- Select Customer:** A dropdown menu showing "Aiden Zhang".
- Order Information:** Fields for Pizza Type (Vegetarian), Quantity (2), Order Price (\$20.00), OrderCost (\$11.00), and Order Profit (\$9.00).
- Order Calculations:** Fields for Total Profit (\$2849.00) and Total Distance Trave... (518.67).
- Task Report:** A text area displaying "Successfully calculated totals! :)".

Navigation buttons include "<< Previous", "Next >>", and a "Calculate Totals" button at the bottom.

GUI: Reset button press

**PAG to reset** - Finally, the user should be able to reset and clear all the information from the screen. All components should be also reset to their initial states. The user must not be allowed to perform this gesture unless the log file has successfully been loaded.

The screenshot displays the 'Pizza Palace' application window. At the top, a 'WELCOME TO PIZZA GUI' message is shown above 'Load Log File' and 'Reset' buttons. The interface is divided into several sections: 'Customer Information' with fields for Name, Mobile Number, Type, Location, and Distance; 'Order Information' with fields for Pizza Type, Quantity, Price, Cost, and Profit; 'Order Calculations' with fields for Total Profit and Total Distance Traveled; and a 'Task Report' section. A central area shows 'Select Customer:' with a dropdown menu displaying 'Sophia Singh', and 'Total Customers:' and 'Record Number:' both set to 0. Navigation buttons '<< Previous' and 'Next >>' are located between the Customer and Order Information sections. The 'Calculate Totals' button is at the bottom of the Order Calculations section.

Pizza Palace

WELCOME TO PIZZA GUI

Load Log File Reset

**Customer Information**

Customer Name: Name

Mobile Number: Number

Customer Type: Type

Customer Location: Location

Distance (restaurant): Distance

<< Previous

**Order Information**

Pizza Type: Type

Quantity: Quantity

Order Price: Price

OrderCost: Cost

Order Profit: Profit

Next >>

**Order Calculations**

Total Profit: 0

Total Distance Trave... 0

Calculate Totals

**Task Report**

Welcome to Pizza GUI

Select Customer:  
Sophia Singh

Total Customers:  
0

Record Number:  
0

## GUI: Error Reporting

All error reporting is printed to the Task Report Text Box in the lower Right-hand corner of the GUI. It prints the type of exception that was thrown and the message that was given by the program.

The screenshot shows a Java Swing window titled "Pizza Palace". At the top, it says "WELCOME TO PIZZA GUI" with two buttons: "Load Log File" and "Reset". The main area is divided into four sections:

- Customer Information:** Contains five text input fields labeled "Customer Name:", "Mobile Number:", "Customer Type:", "Customer Location:", and "Distance (restaurant):".
- Order Information:** Contains five text input fields labeled "Pizza Type:", "Quantity:", "Order Price:", "OrderCost:", and "Order Profit:". It also has a "Select Customer:" dropdown menu.
- Order Calculations:** Contains two text input fields labeled "Total Profit:" and "Total Distance Trave...", both showing the value "0". A "Calculate Totals" button is at the bottom.
- Task Report:** A text area at the bottom right displaying the message: "Customer Exception: That is not a valid CustomerCode."

Navigation buttons include "<< Previous" and "Next >>". In the center, it displays "Total Customers: 0" and "Record Number: 0".

Customer Exception



Pizza Palace

WELCOME TO PIZZA GUI

Load Log FileReset

Customer Information

Customer Name: Customername

Mobile Number: Mobilenumber

Customer Type: Customertype

Customer Location: Location

Distance (restaurant): Distance

<< Previous

Order Calculations

Total Profit: 0

Total Distance Trave... 0

Calculate Totals

Select Customer:

Total Customers: 0

Record Number: 0

Order Information

Pizza Type: Type

Quantity: Quantity

Order Price: Price

OrderCost: Cost

Order Profit: Profit

Next >>

Task Report

Pizza Exception: invalid Order Time or Delivery Time

PizzaException