

CAB302 Software Development Assignment 2 (Group Assignment)

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Table of Contents

Test Case Scenario – Veng Sie Choy (Person A)	3
Scenario 1 - Load a Log File	3
Scenario 2 - Display Details Related to the Customers as Outlined in Section 5.4.....	6
Scenario 3 - Calculating and Displaying the Total Distance Travelled as Outlined in Section 5.4	7
Scenario 4 - Resetting the Program and Clearing All Information as Outlined in Section 5.4.....	9
Scenario 5 - Prompt the User When a Log File Contains Invalid Customer Details	10
Test Case Scenario – Khar Jun Shum (Person B)	12
Scenario 1 - Load a Log File	12
Scenario 2 -Display Details Related to the Orders as Outlined in Section 5.4.....	15
Scenario 3 - Calculating and Displaying the Total Profit as Outlined in Section 5.4	16
Scenario 4 - Resetting the Program and Clearing All Information as Outlined in Section 5.4.....	18
Scenario 5 - Prompt the User When a Log File Contains Invalid Customer Details	19
Git Logs.....	21

Test Case Scenario – Veng Sie Choy (Person A)

Scenario 1 - Load a Log File

Test Name	LoadALogFile
Test Objectives	To test the program will prompt user to select a “Log File” in “.txt” format and load the selected file. After that, the program should read the contents of the file and use them for further functions.
User Interaction	<ul style="list-style-type: none">• Run the program• Press the “Choose File” button• Select the correct “Log File”
Initial State	The program will show a screen with empty tab pane and few buttons. A “Reset” button and a “Display Tables” button were initially disabled as the program requires user to select “Log File” first.
Success Case	A message box will be prompted to the user to indicate that the “Log File” has been successfully loaded. The “Choose File” button’s text is changed to the file’s name and the button is disabled.
Failed Case	-

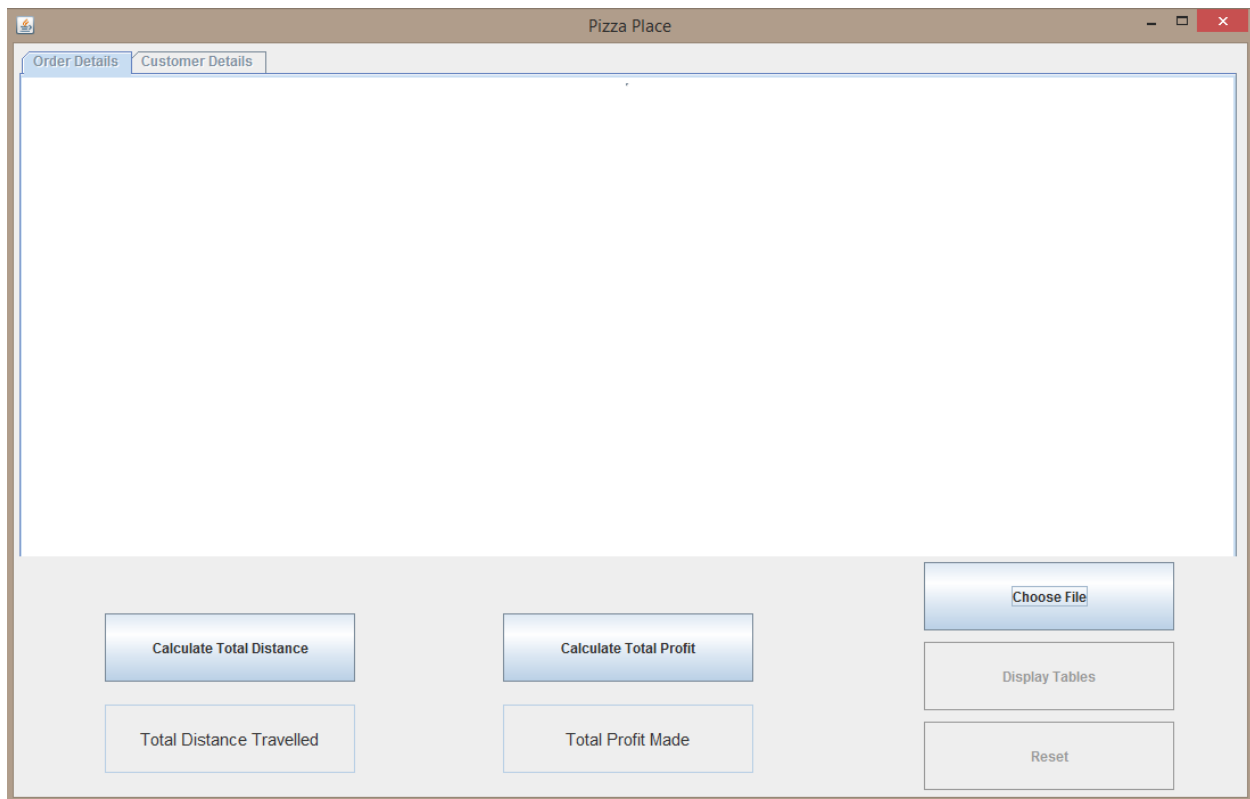


Figure 1: Initiate State

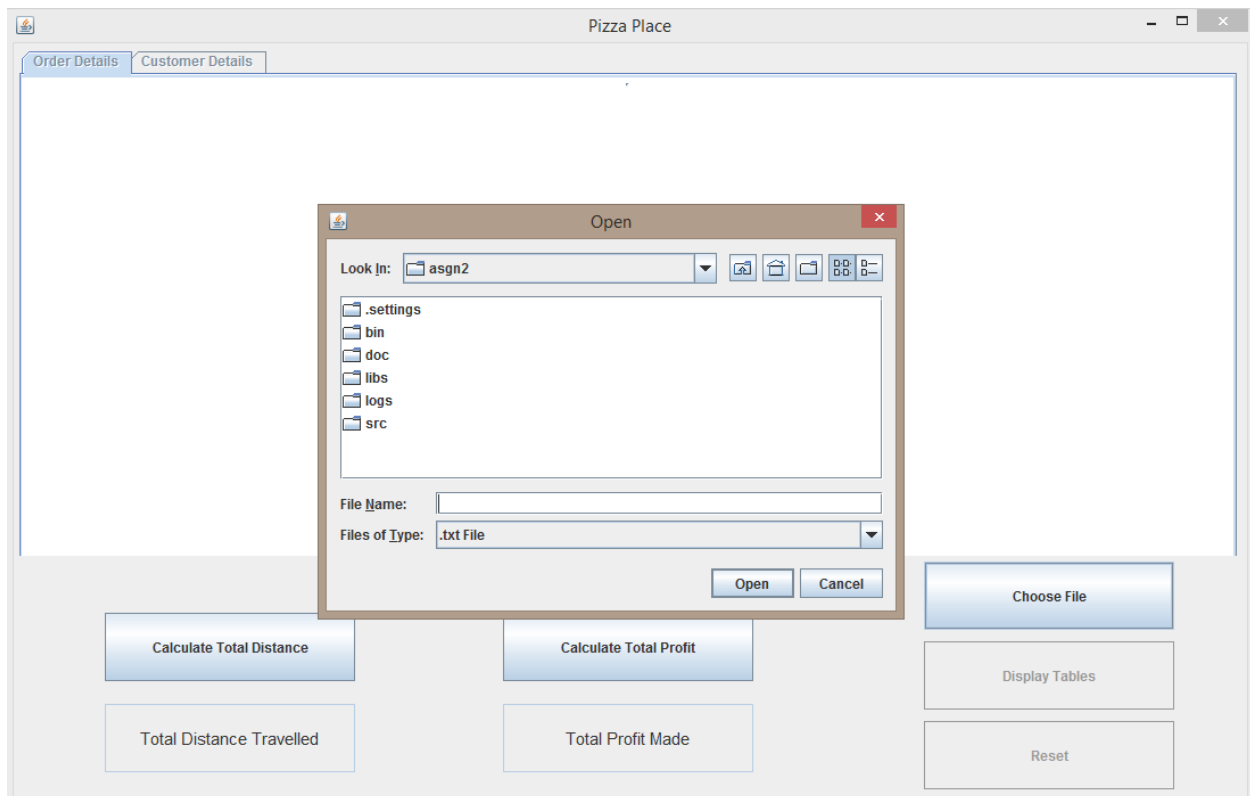


Figure 2: Selecting Log File

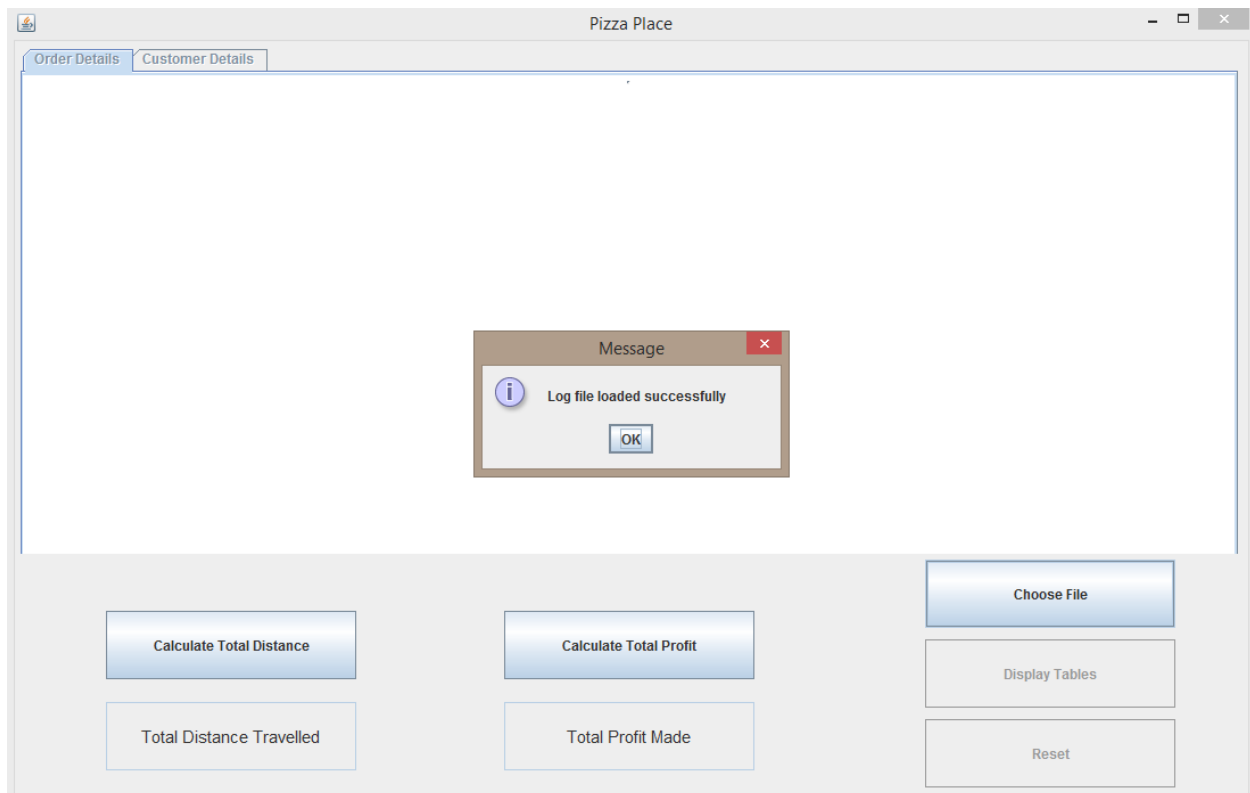


Figure 3: Prompt the user that the Log File has loaded

Scenario 2 - Display Details Related to the Customers as Outlined in Section 5.4

Test Name	DisplayCustomersDetails
Test Objectives	To test whether the program is able to load and display the customers' contents to a table.
User Interaction	<ul style="list-style-type: none"> Select the "Display Tables" button after selected a file and loaded successfully
Initial State	The program will show an empty tab pane initially. "Choose File" button's test was changed to the file's name selected. "Display Tables" button and "Reset" button were enabled.
Success Case	A table with customers' details will be displayed on the tab pane's first tab.
Failed Case	-

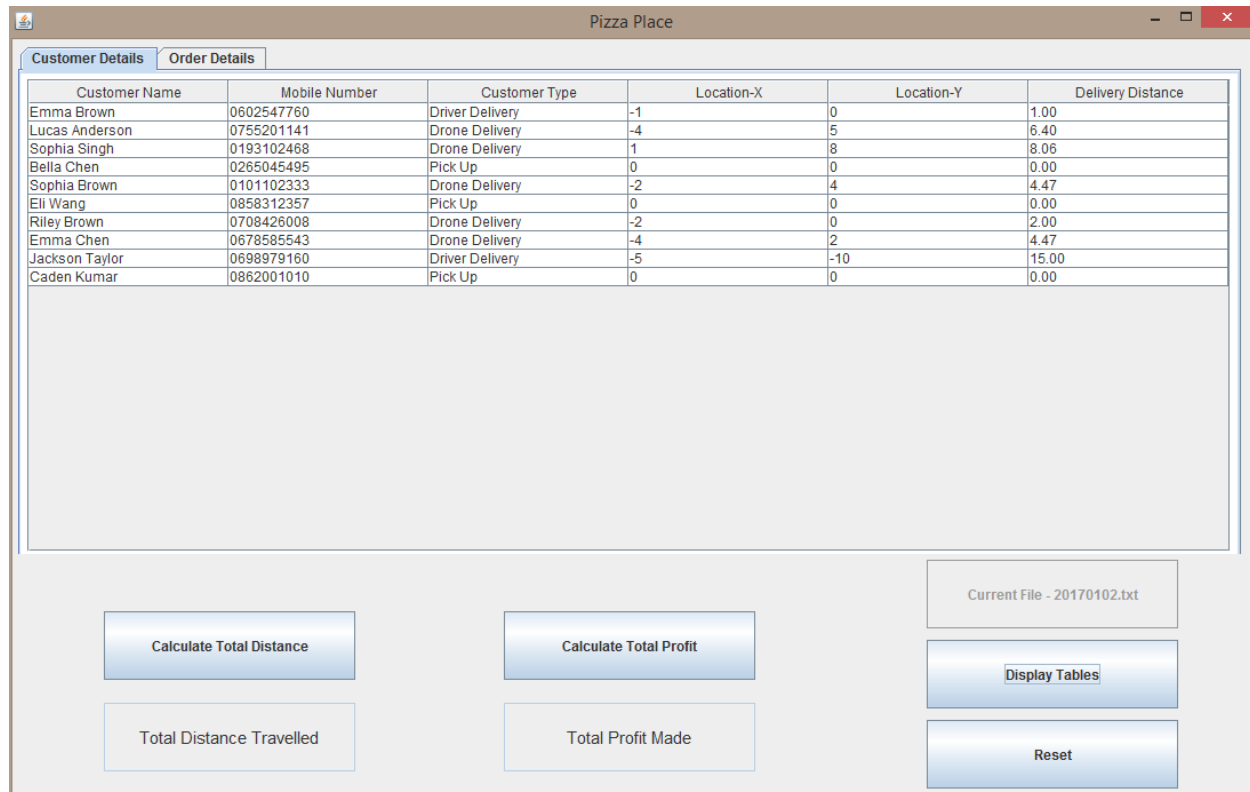


Figure 4: Show customers' details table

Scenario 3 - Calculating and Displaying the Total Distance Travelled as Outlined in Section 5.4

Test Name	CalculateAndDisplayDistanceTravelled
Test Objectives	To test whether the program is able to calculate the total delivery distance travelled based on the distances from the log file and display to the user.
User Interaction	<ul style="list-style-type: none">• Select the “Calculate Total Distance” button after loaded a file
Initial State	The program will show an empty tab pane initially. “Choose File” button’s test was changed to the file’s name selected. “Display Tables” button and “Reset” button were enabled. The text field for displaying the total distance travelled will show “Total Distance Travelled”
Success Case	The text field’s text will be changed to the calculated total distance travelled.
Failed Case	Happens when file is not loaded to the program and the user pressed the “Calculate Total Distance Travelled” button. A message box will prompt the user that no file is selected.

Pizza Place

Customer Details | Order Details

Customer Name	Mobile Number	Customer Type	Location-X	Location-Y	Delivery Distance
Casey Jones	0123456789	Driver Delivery	5	5	10.00
April O'Neal	0987654321	Drone Delivery	3	4	5.00
Oroku Saki	0111222333	Pick Up	0	0	0.00

Calculate Total Distance

Calculate Total Profit

Current File - 20170101.txt

Display Tables

Reset

Total Delivery Distance: 15.00

Total Profit Made

Figure 5: Text field has changed and show the total delivery distance travelled

Pizza Place

Customer Details | Order Details

No File Selected

OK

Choose File

Calculate Total Distance

Calculate Total Profit

Display Tables

Reset

Total Distance Travelled

Total Profit Made

Figure 6: Prompt user that file has not yet selected

Scenario 4 - Resetting the Program and Clearing All Information as Outlined in Section 5.4

Test Name	ResetSoftwareAndClearAllInformation
Test Objectives	To test whether the program will reset everything back to initial state and clear the information
User Interaction	<ul style="list-style-type: none">Press the “Reset” button after loaded a file
Initial State	The program showed that the “Choose File” button’s text had changed to the file’s name and the button was disabled. “Reset” button and “Display Tables” button were enabled.
Success Case	The tab pane will be cleared and shows nothing. The “Reset” button and “Display Button” will be disabled while the “Choose File” button will be enabled and its text is set to “Choose File” again.
Failed Case	-

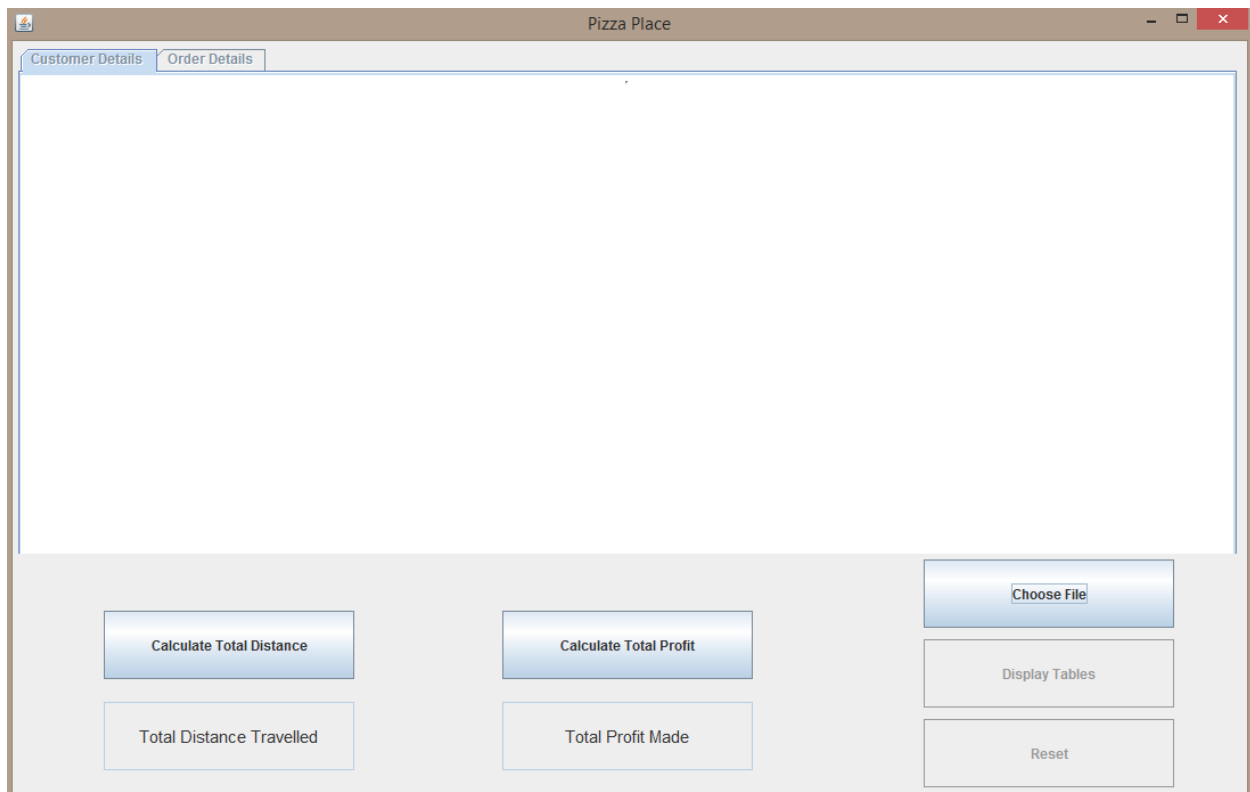


Figure 7: Screen after reset button pressed

Scenario 5 - Prompt the User When a Log File Contains Invalid Customer Details

Test Name	NotLoadingFileWithInvalidCustomerData
Test Objectives	To test the program whether can prompt errors and not loading the file when the file is not acceptable such as wrong file format or invalid customer details.
User Interaction	<ul style="list-style-type: none">• Run the program• Press the “Choose File” button• Select a Log file with invalid customer details
Initial State	The program will show a screen with empty tab pane and few buttons. A “Reset” button and a “Display Tables” button were initially disabled as the program requires user to select “Log File” first.
Success Case	A message box will prompt the user that there is an error when the program is trying to load the file and prompt the user what error has been expected specifically.
Failed Case	-

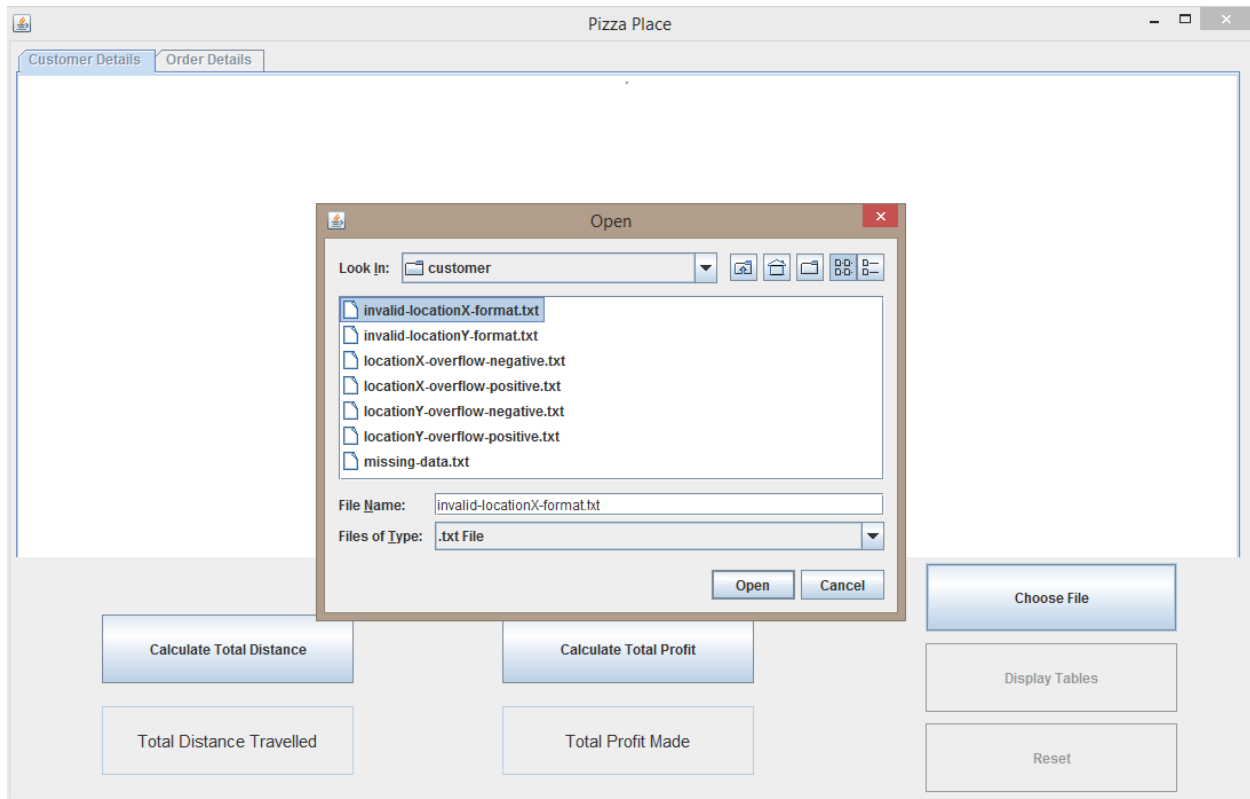


Figure 8: Select a log file which contains error

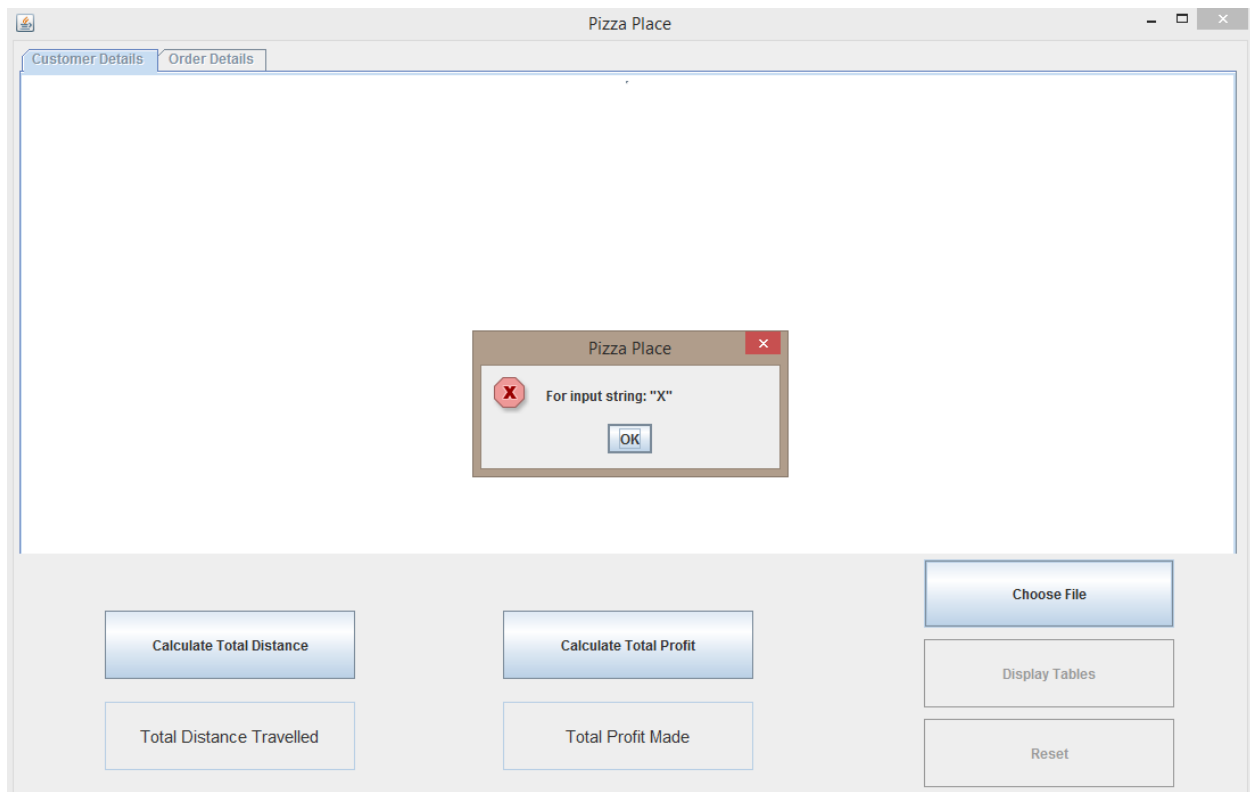


Figure 9: Prompt user that the log file contains error and could not be loaded

Test Case Scenario – Khar Jun Shum (Person B)

Scenario 1 - Load a Log File

Test Name	LoadALogFile
Test Objectives	To test the program will prompt user to select a “Log File” in “.txt” format and load the selected file. After that, the program should read the contents of the file and use them for further functions.
User Interaction	<ul style="list-style-type: none">• Run the program• Press the “Choose File” button• Select the correct “Log File”
Initial State	The program will show a screen with empty tab pane and few buttons. A “Reset” button and a “Display Tables” button were initially disabled as the program requires user to select “Log File” first.
Success Case	A message box will be prompted to the user to indicate that the “Log File” has been successfully loaded. The “Choose File” button’s text is changed to the file’s name and the button is disabled.
Failed Case	-

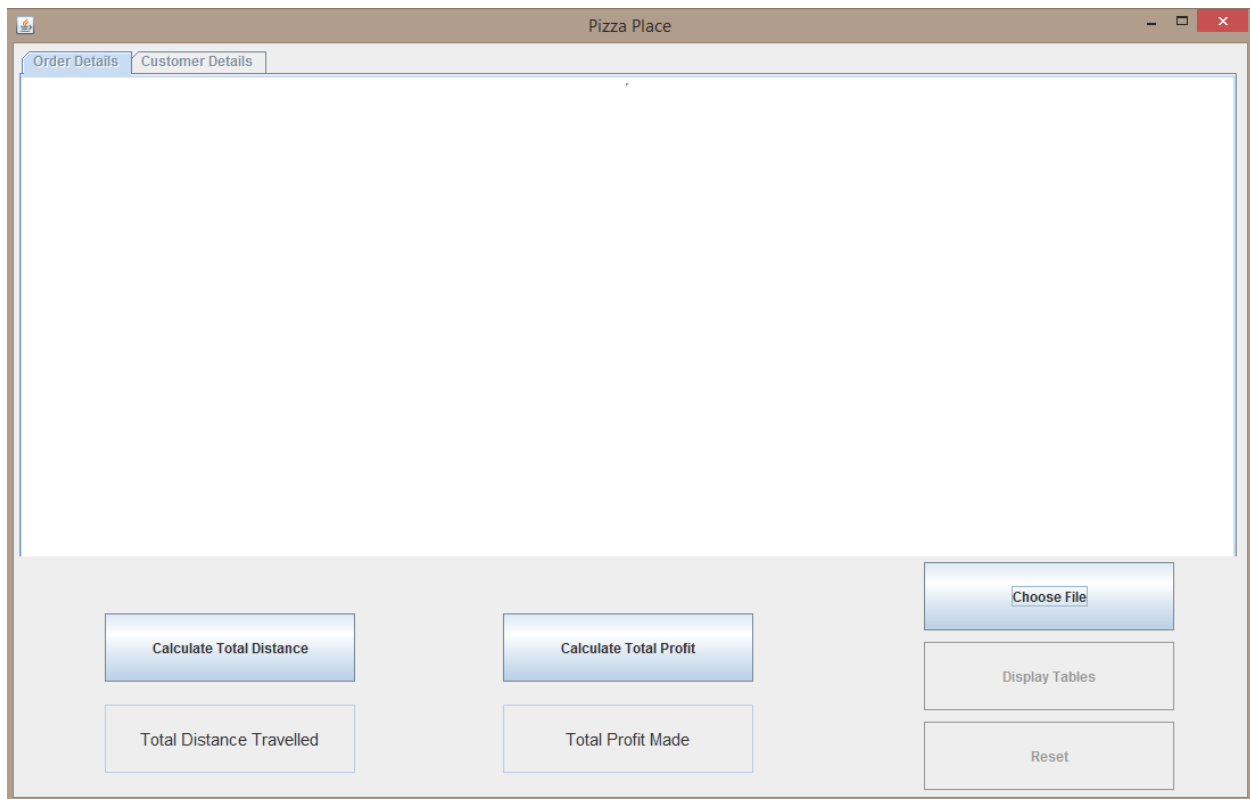


Figure 10: Initial state

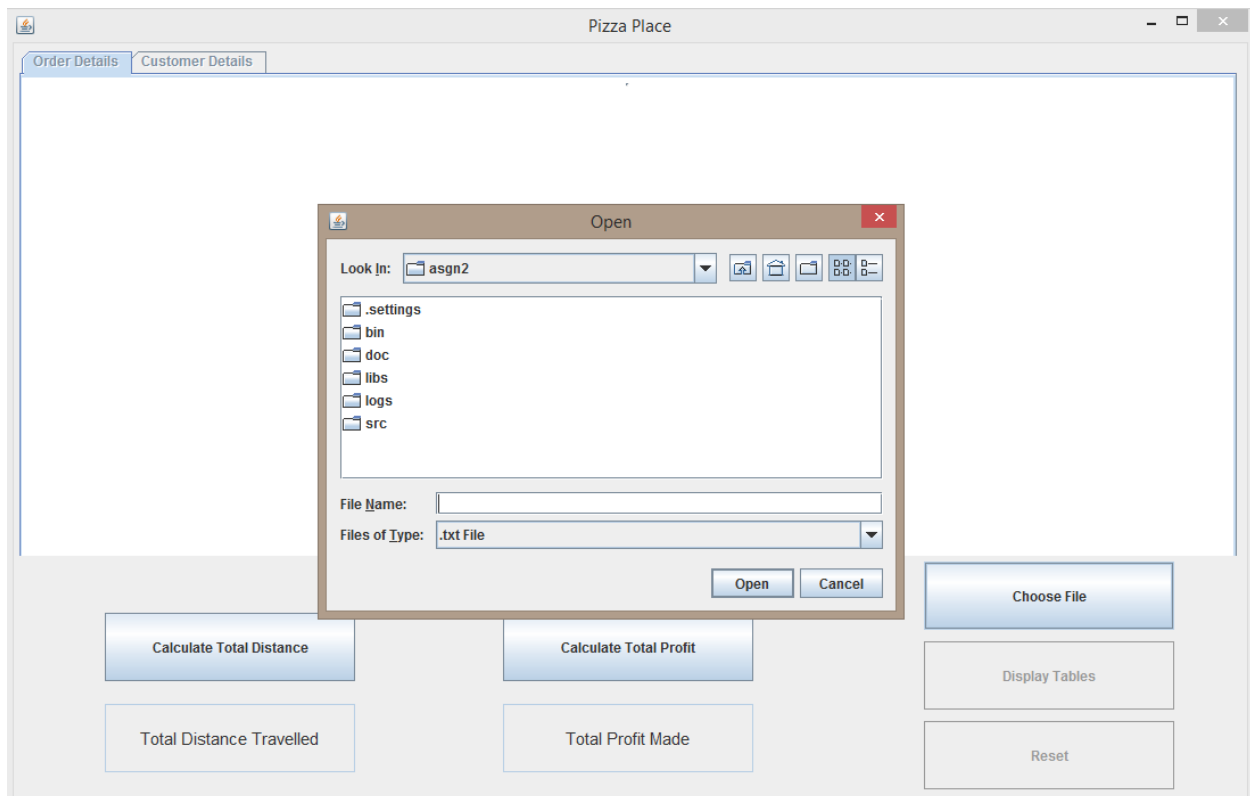


Figure 11: Prompt use to select log file

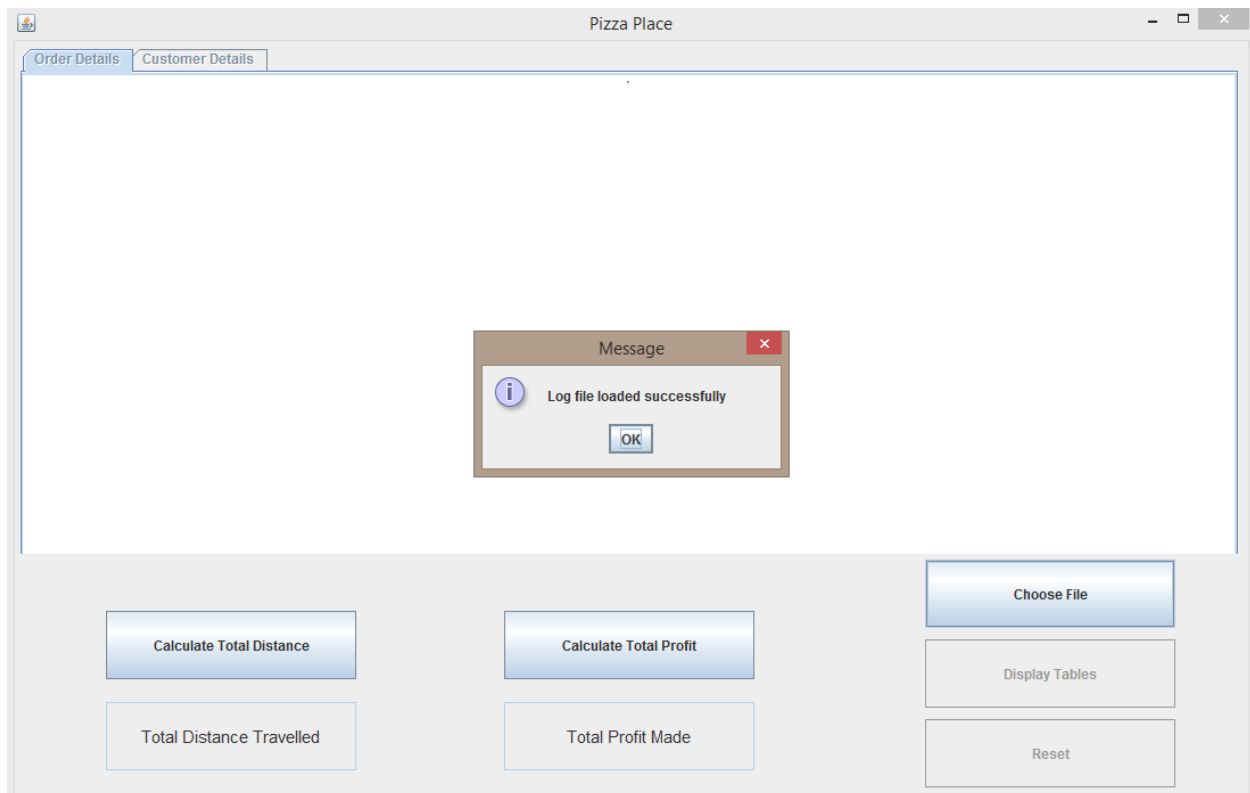


Figure 12: Prompt user that the selected file has loaded successfully

Scenario 2 -Display Details Related to the Orders as Outlined in Section 5.4

Test Name	DisplayOrderDetails
Test Objectives	To test whether the program is able to load and display the orders' contents to a table.
User Interaction	<ul style="list-style-type: none"> Select the “Display Tables” button after selected a file and loaded successfully
Initial State	The program will show an empty tab pane initially. “Choose File” button's test was changed to the file's name selected. “Display Tables” button and “Reset” button were enabled.
Success Case	A table with orders' details will be displayed on the tab pane's second tab.
Failed Case	-

The screenshot shows the 'Pizza Place' application window. It has two tabs: 'Customer Details' and 'Order Details'. The 'Order Details' tab is active, displaying a table with the following columns: Pizza Type, Quantity, Order Price, Order Cost, and Order Profit. The table contains 25 rows of data. Below the table, there are several buttons and labels: 'Calculate Total Distance', 'Calculate Total Profit', 'Display Tables', 'Reset', 'Total Distance Travelled', and 'Total Profit Made'. A label 'Current File - 20170103.txt' is also visible.

Pizza Type	Quantity	Order Price	Order Cost	Order Profit
Vegetarian	2	20.00	11.00	9.00
Vegetarian	6	60.00	33.00	27.00
Margherita	2	16.00	3.00	13.00
Margherita	9	72.00	13.50	58.50
Vegetarian	6	60.00	33.00	27.00
Margherita	8	64.00	12.00	52.00
Meat Lovers	8	96.00	40.00	56.00
Margherita	3	24.00	4.50	19.50
Margherita	9	72.00	13.50	58.50
Vegetarian	5	50.00	27.50	22.50
Meat Lovers	6	72.00	30.00	42.00
Vegetarian	2	20.00	11.00	9.00
Meat Lovers	7	84.00	35.00	49.00
Meat Lovers	9	108.00	45.00	63.00
Vegetarian	7	70.00	38.50	31.50
Margherita	3	24.00	4.50	19.50
Margherita	5	40.00	7.50	32.50
Meat Lovers	1	12.00	5.00	7.00
Margherita	6	48.00	9.00	39.00
Vegetarian	1	10.00	5.50	4.50
Margherita	4	32.00	6.00	26.00
Meat Lovers	2	24.00	10.00	14.00
Meat Lovers	8	96.00	40.00	56.00
Vegetarian	7	70.00	38.50	31.50
Meat Lovers	6	72.00	30.00	42.00

Figure 13: Order table is shown in second tab of the tab pane

Scenario 3 - Calculating and Displaying the Total Profit as Outlined in Section 5.4

Test Name	CalculateAndDisplayTotalProfitMade
Test Objectives	To test whether the program is able to calculate the total profit made based on the profits from the log file and display to the user.
User Interaction	<ul style="list-style-type: none"> Select the “Calculate Total Profit” button after loaded a file
Initial State	The program will show an empty tab pane initially. “Choose File” button’s test was changed to the file’s name selected. “Display Tables” button and “Reset” button were enabled. The text field for displaying the total distance travelled will show “Total Profit Made”
Success Case	The text field’s text will be changed to the calculated total profit made.
Failed Case	Happens when file is not loaded to the program and the user pressed the “Calculate Total Profit Made” button. A message box will prompt the user that no file is selected.

The screenshot shows the 'Pizza Place' application window. It has two tabs: 'Customer Details' and 'Order Details'. The 'Order Details' tab is active, displaying a table with the following columns: Pizza Type, Quantity, Order Price, Order Cost, and Order Profit. The table contains 25 rows of data. Below the table, there are four buttons: 'Calculate Total Distance', 'Calculate Total Profit', 'Display Tables', and 'Reset'. The 'Calculate Total Profit' button is highlighted. Below the buttons, there are two text fields: 'Total Distance Travelled' and 'Total Profit Made: \$2849.00'. The 'Total Profit Made' field shows the calculated total profit.

Pizza Type	Quantity	Order Price	Order Cost	Order Profit
Vegetarian	2	20.00	11.00	9.00
Vegetarian	6	60.00	33.00	27.00
Margherita	2	16.00	3.00	13.00
Margherita	9	72.00	13.50	58.50
Vegetarian	6	60.00	33.00	27.00
Margherita	8	64.00	12.00	52.00
Meat Lovers	8	96.00	40.00	56.00
Margherita	3	24.00	4.50	19.50
Margherita	9	72.00	13.50	58.50
Vegetarian	5	50.00	27.50	22.50
Meat Lovers	6	72.00	30.00	42.00
Vegetarian	2	20.00	11.00	9.00
Meat Lovers	7	84.00	35.00	49.00
Meat Lovers	9	108.00	45.00	63.00
Vegetarian	7	70.00	38.50	31.50
Margherita	3	24.00	4.50	19.50
Margherita	5	40.00	7.50	32.50
Meat Lovers	1	12.00	5.00	7.00
Margherita	6	48.00	9.00	39.00
Vegetarian	1	10.00	5.50	4.50
Margherita	4	32.00	6.00	26.00
Meat Lovers	2	24.00	10.00	14.00
Meat Lovers	8	96.00	40.00	56.00
Vegetarian	7	70.00	38.50	31.50
Meat Lovers	6	96.00	40.00	56.00

Buttons: Calculate Total Distance, Calculate Total Profit, Display Tables, Reset

Text Fields: Total Distance Travelled, Total Profit Made: \$2849.00

Current File: 20170103.txt

Figure 14: Text field's text has changed to the calculated total profit made

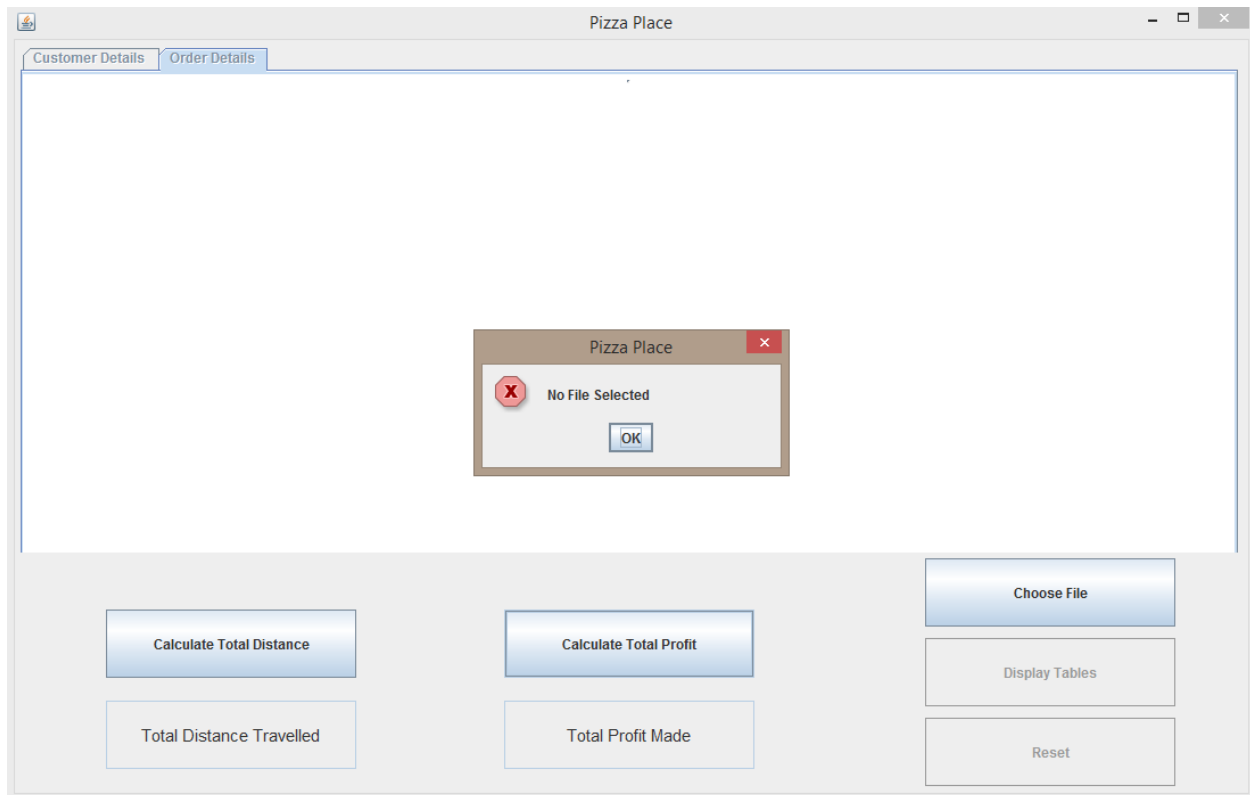


Figure 15: Prompt user error when a file is not selected yet

Scenario 4 - Resetting the Program and Clearing All Information as Outlined in Section 5.4

Test Name	ResetSoftwareAndClearAllInformation
Test Objectives	To test whether the program will reset everything back to initial state and clear the information
User Interaction	<ul style="list-style-type: none">Press the “Reset” button after loaded a file
Initial State	The program showed that the “Choose File” button’s text had changed to the file’s name and the button was disabled. “Reset” button and “Display Tables” button were enabled.
Success Case	The tab pane will be cleared and shows nothing. The “Reset” button and “Display Button” will be disabled while the “Choose File” button will be enabled and its text is set to “Choose File” again.
Failed Case	-

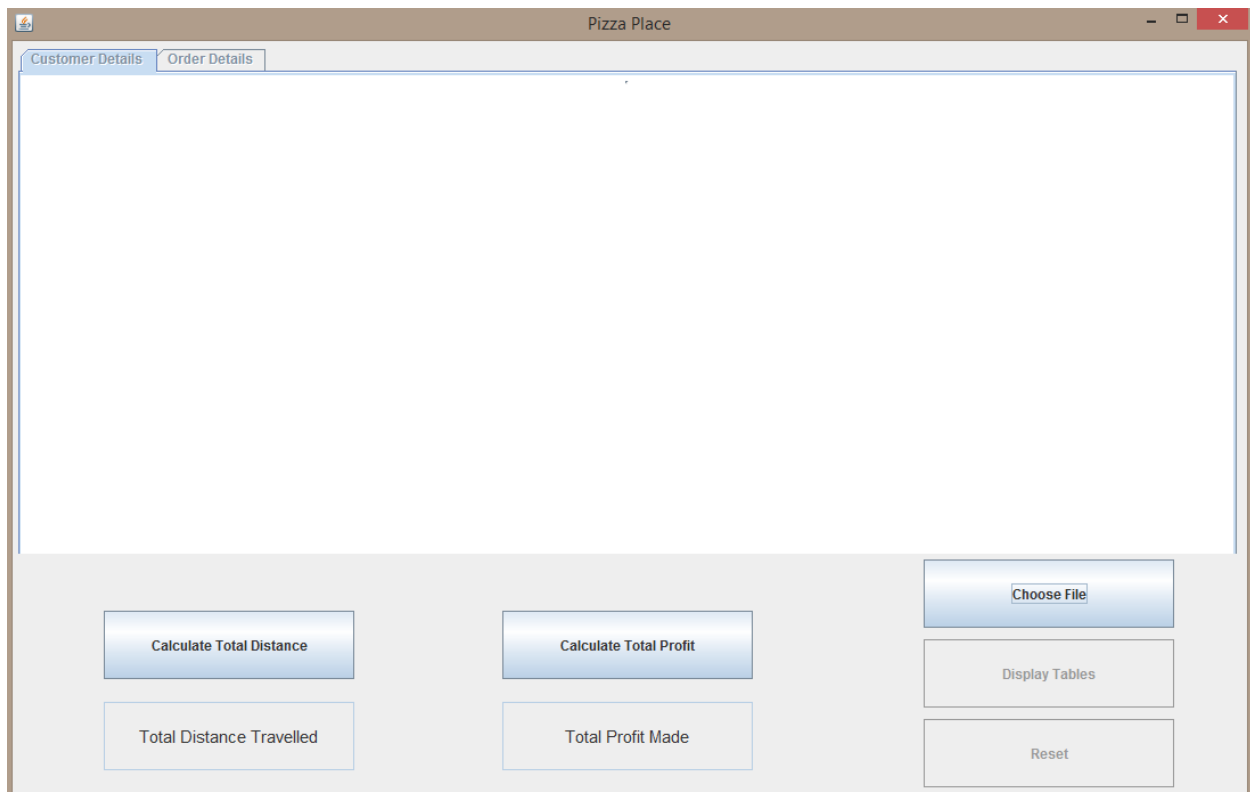


Figure 16: Screen will back to initial state after reset button pressed

Scenario 5 - Prompt the User When a Log File Contains Invalid Customer Details

Test Name	NotLoadingFileWithInvalidOrderData
Test Objectives	To test the program whether can prompt errors and not loading the file when the file is not acceptable such as wrong file format or invalid order details.
User Interaction	<ul style="list-style-type: none">• Run the program• Press the “Choose File” button• Select a Log file with invalid order details
Initial State	The program will show a screen with empty tab pane and few buttons. A “Reset” button and a “Display Tables” button were initially disabled as the program requires user to select “Log File” first.
Success Case	A message box will prompt the user that there is an error when the program is trying to load the file and prompt the user what error has been expected specifically.
Failed Case	-

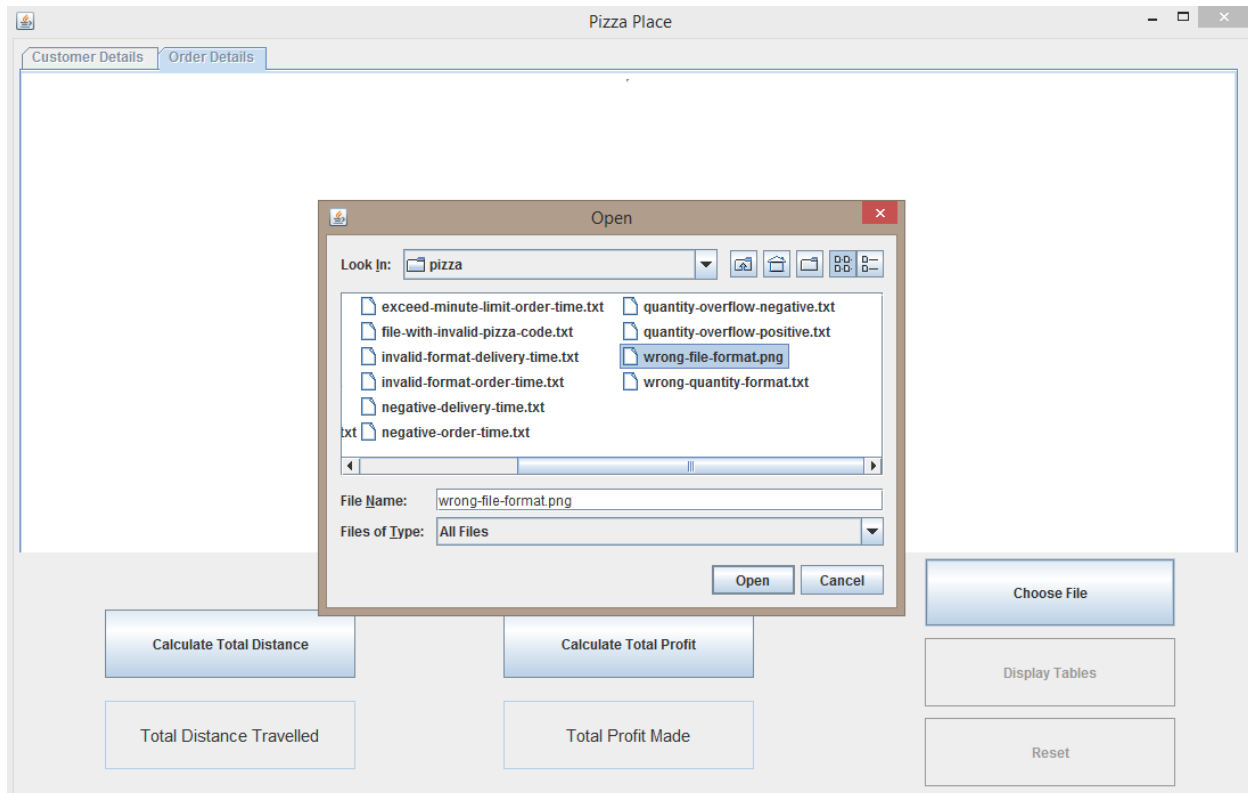


Figure 17: Selecting a file contains error

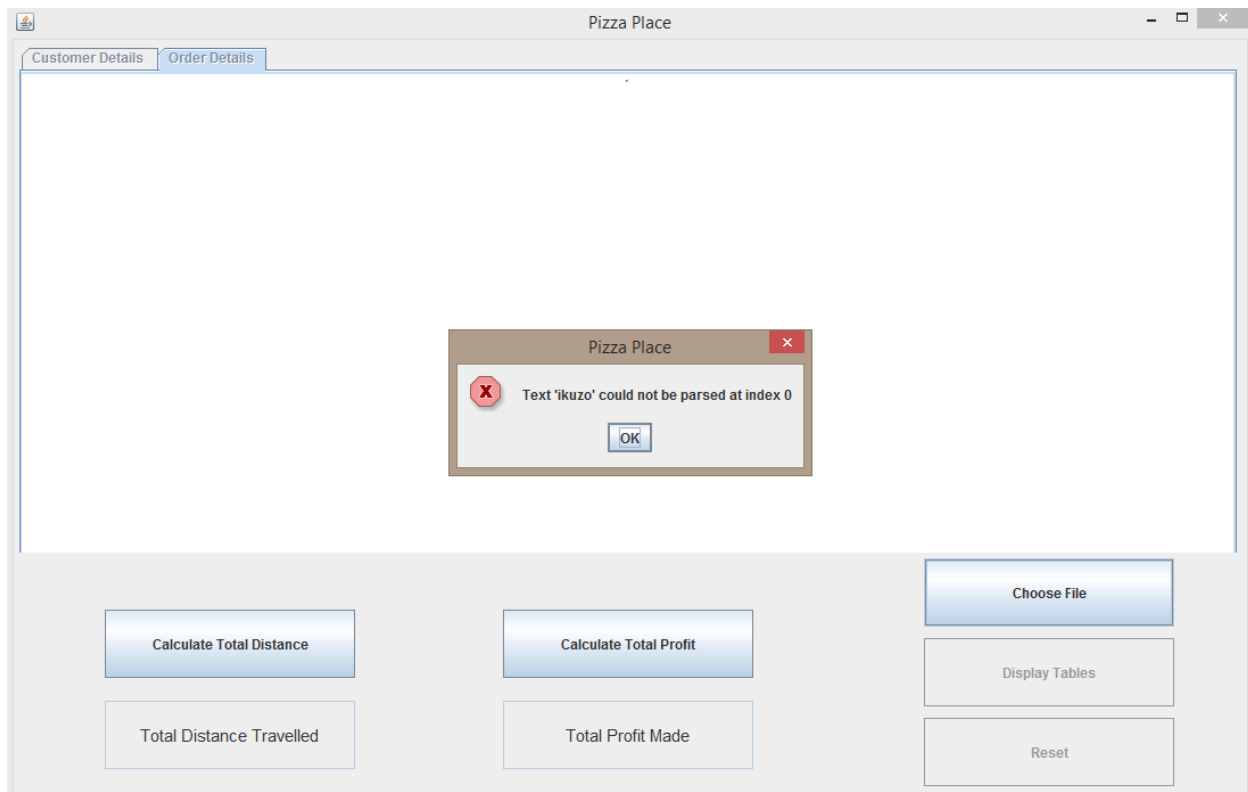


Figure 18: Prompt user that an error has occurred

Git Logs

```
Generated Javadoc
* commit fff4aac6cc9e9f302b5d4f7145b5688937d08373
/ Author: shumkj <seansam06@gmail.com>
Date: Fri Jun 2 21:04:28 2017 +1000

    added comments

* commit 33a533d9b87cfd1be71f10b776c57d7a3cca2a59
\ Merge: 36d2a3d 8d3ebbd
Author: Sean Shum Khar Jun <seansam06@gmail.com>
Date: Fri Jun 2 20:49:27 2017 +1000

    Merge pull request #36 from shumkj178/kharjun/bug-fixing

    Reformatting

* commit 8d3ebbd5c48ff13f335a98ae28371640ce14e29
/ Author: shumkj <seansam06@gmail.com>
Date: Fri Jun 2 20:43:17 2017 +1000

    Reformatting

* commit 36d2a3d56cd98a2acdbdefea65cc1ba1771ec3f1
\ Merge: f624e96 2009f26
Author: vengsie <vengsie94@outlook.com>
Date: Fri Jun 2 20:24:31 2017 +1000

    Merge pull request #35 from shumkj178/vengsie/RestaurantCustomerTests

    Write RestaurantCustomerTests and file added to log

* commit 2009f261bcc913e2e2500087ab1c4525d0b7b650
/ Author: Veng Sie <vengsie94@outlook.com>
Date: Fri Jun 2 18:23:38 2017 +0800

    Write RestaurantCustomerTests and file added to log

* commit f624e961187ad7e939a8786ebc3eb77c69793aff
\ Merge: b0ec383 32bf4c1
Author: Sean Shum Khar Jun <seansam06@gmail.com>
Date: Fri Jun 2 19:50:50 2017 +1000
```

Figure 19: Git Repository logs example 1

```

user@ASUS-K551LN MINGW64 ~/eclipse_projects/asgn2 (master)
$ git log --graph
*   commit e23137af972ab54be78dfd360db3c68cf14a5728
  \  Merge: 33a533d e75593c
   | Author: Sean Shum Khar Jun <seansam06@gmail.com>
   | Date:   Fri Jun 2 21:09:12 2017 +1000
   |
   | Merge pull request #37 from shumkj178/kharjun/add-comments
   |
   | Kharjun/add comments
   |
   | *   commit e75593c9d3f9992ede26ca66fa75ef82ec51a949
   |   | Author: shumkj <seansam06@gmail.com>
   |   | Date:   Fri Jun 2 21:08:00 2017 +1000
   |   |
   |   | Generated Javadoc
   |   |
   |   | *   commit fff4aac6cc9e9f302b5d4f7145b5688937d08373
   |   | / Author: shumkj <seansam06@gmail.com>
   |   |   Date:   Fri Jun 2 21:04:28 2017 +1000
   |   |
   |   | added comments
   |   |
   |   | *   commit 33a533d9b87cfd1be71f10b776c57d7a3cca2a59
   |   | | Merge: 36d2a3d 8d3ebbd
   |   | | ...skipping...
   |   | | *   commit e23137af972ab54be78dfd360db3c68cf14a5728
   |   | | | Merge: 33a533d e75593c
   |   | | | Author: Sean Shum Khar Jun <seansam06@gmail.com>
   |   | | | Date:   Fri Jun 2 21:09:12 2017 +1000
   |   | | |
   |   | | | Merge pull request #37 from shumkj178/kharjun/add-comments
   |   | | |
   |   | | | Kharjun/add comments
   |   | | |
   |   | | | *   commit e75593c9d3f9992ede26ca66fa75ef82ec51a949
   |   | | | | Author: shumkj <seansam06@gmail.com>
   |   | | | | Date:   Fri Jun 2 21:08:00 2017 +1000
   |   | | | |
   |   | | | | Generated Javadoc
   |   | | | |
   |   | | | | *   commit fff4aac6cc9e9f302b5d4f7145b5688937d08373
   |   | | | | / Author: shumkj <seansam06@gmail.com>

```

Figure 20: Git Repository logs example 2