CAB302 ASSIGNMENT 2

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Queensland University of Technology
Software Development

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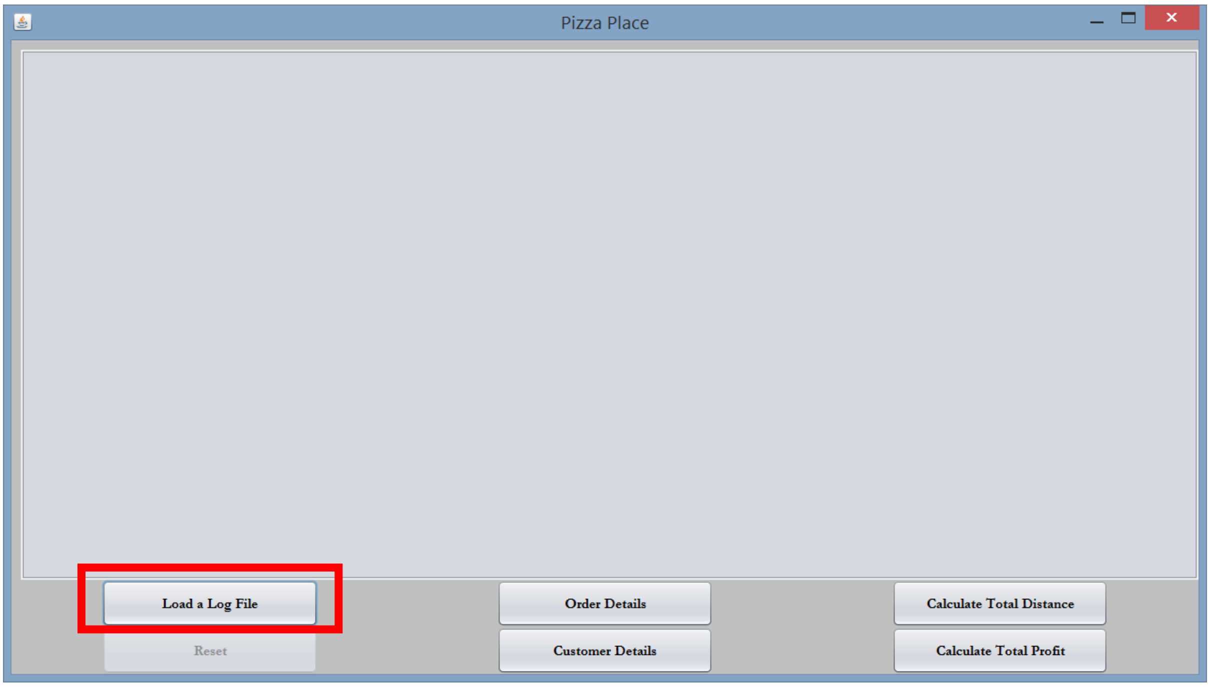
1 INTRODUCTION

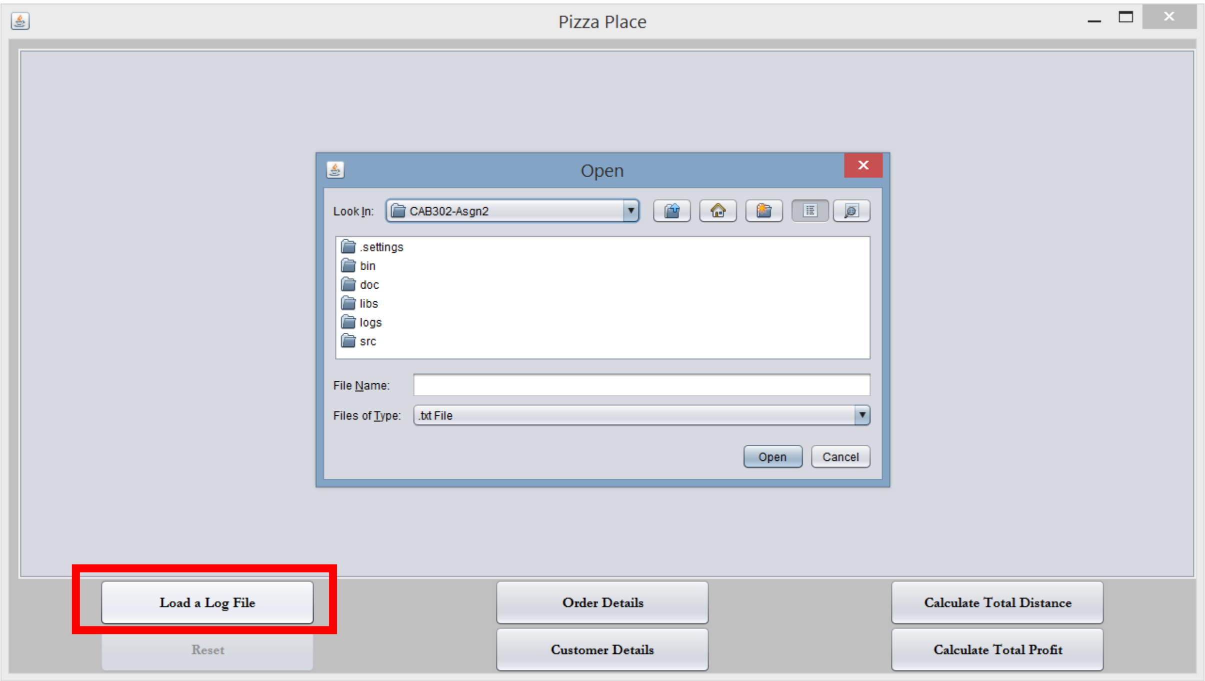
This report describes the functionality and output of the system together with screenshots. The last section of this report contains the snapshot of the Git Log. The log file can be found in the root directory of the zip. The doc folder contains updated specification of the source code and detailed description of the exceptions thrown by each method.

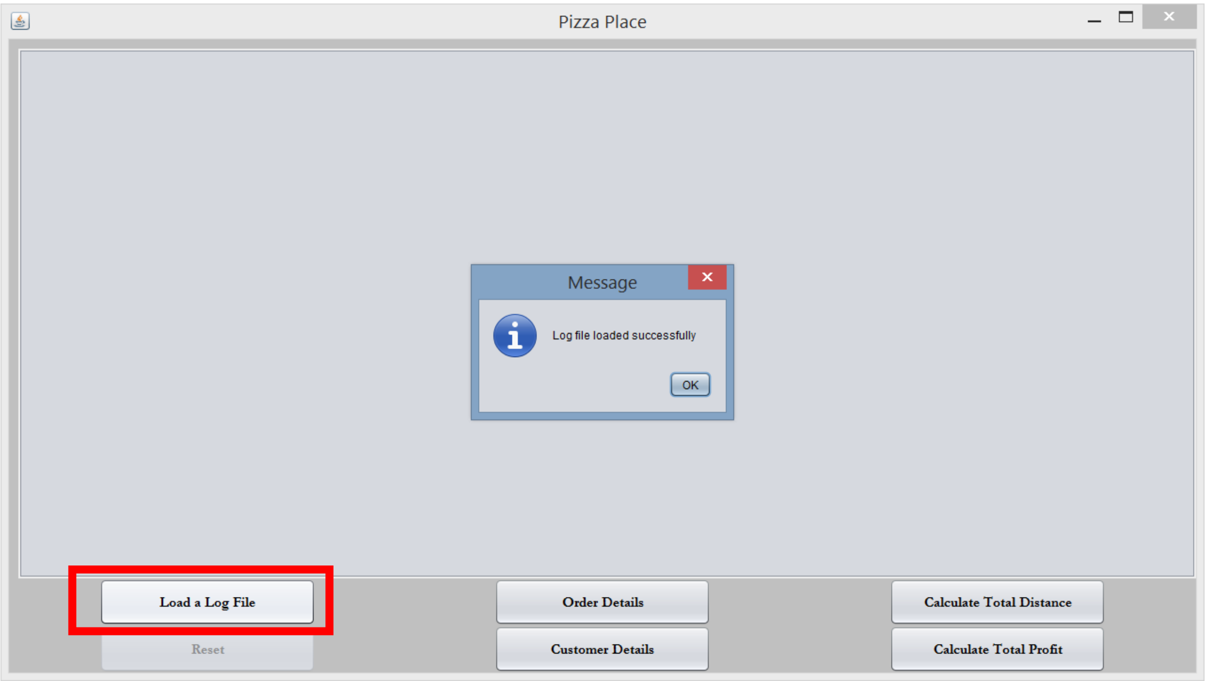
2 PERSON A (VOO LEE CHUN)

2.1 SUCCESSFULLY LOADING A LOG FILE

Test Name	LoadATextFileFromDirectory
Test Objectives	The program will ask user to load a Log file in .txt format. After loaded successfully, program should read the log files content and hold it for other function.
User Interaction	• Run the program • Press the **“Load a Log File”** button • Select the correct Log file then press Open
Initial State	The program will be loaded with empty content shows. The **“Reset”** is disabled since no file is loaded.
Success Case	A message box pop out to tell the user the log file has been loaded correctly. The **“Load a Log File”** button text will change to the file name that the program is currently reading and become disabled.
Failed Case	-


Pizza Place
Load a Log File
Reset
Order Details
Customer Details
Calculate Total Distance
Calculate Total Profit

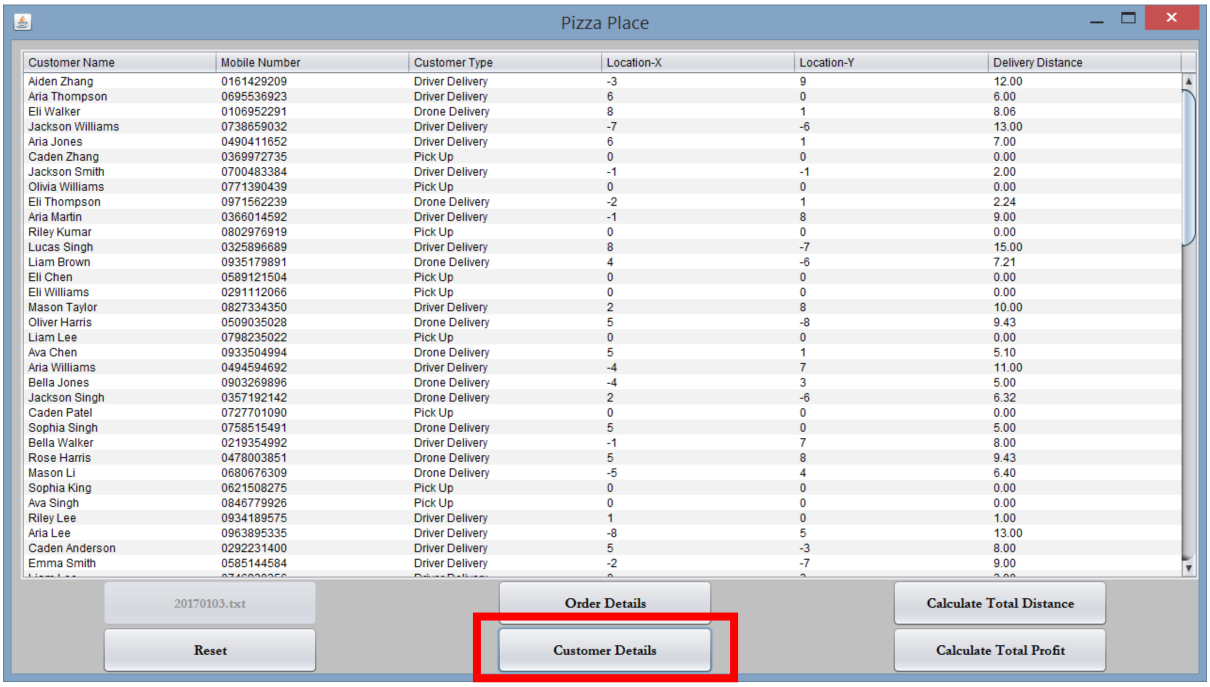

Pizza Place
Open
Look In: CAB302-Asgn2
.settings
bin
doc
libs
logs
src
File Name:
Files of Type: .txt File
Open
Cancel
Load a Log File
Reset
Order Details
Customer Details
Calculate Total Distance
Calculate Total Profit



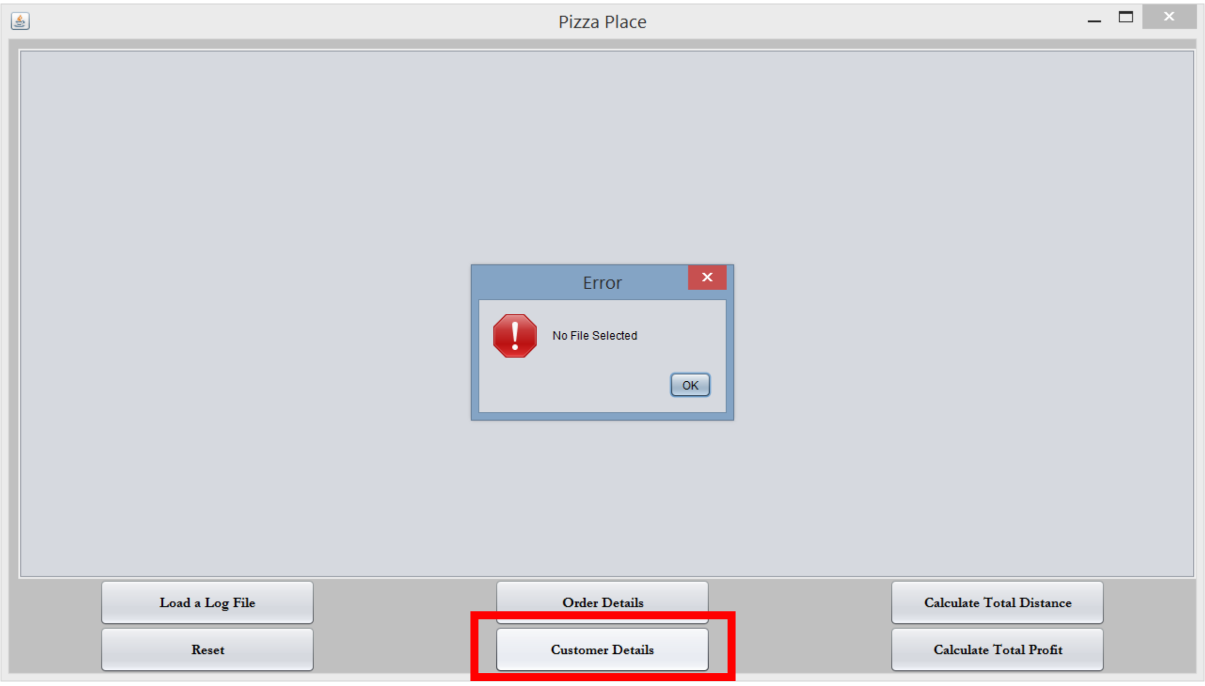
Log file loaded successfully

2.2 SUCCESSFULLY DISPLAYING DETAILS RELATED TO THE CUSTOMERS

Test Name	DisplayCustomersRelatedDetails
Test Objectives	To test whether the program able to load and display the customer's content properly to the table with clear, readable and user friendly messages.
User Interaction	- Select the **"Customer Details"** button after loaded a file to the program
Initial State	A program window with zero content. The first button's text is displaying the file name currently loaded in the program.
Success Case	A JTable will be displayed on the empty area, showing all the customer related details in their own columns.
Failed Case	Appeared when file is not loaded in the program and the user pressed the **"Customer Details"** button. A message box will pop out inform the user that no file loaded.



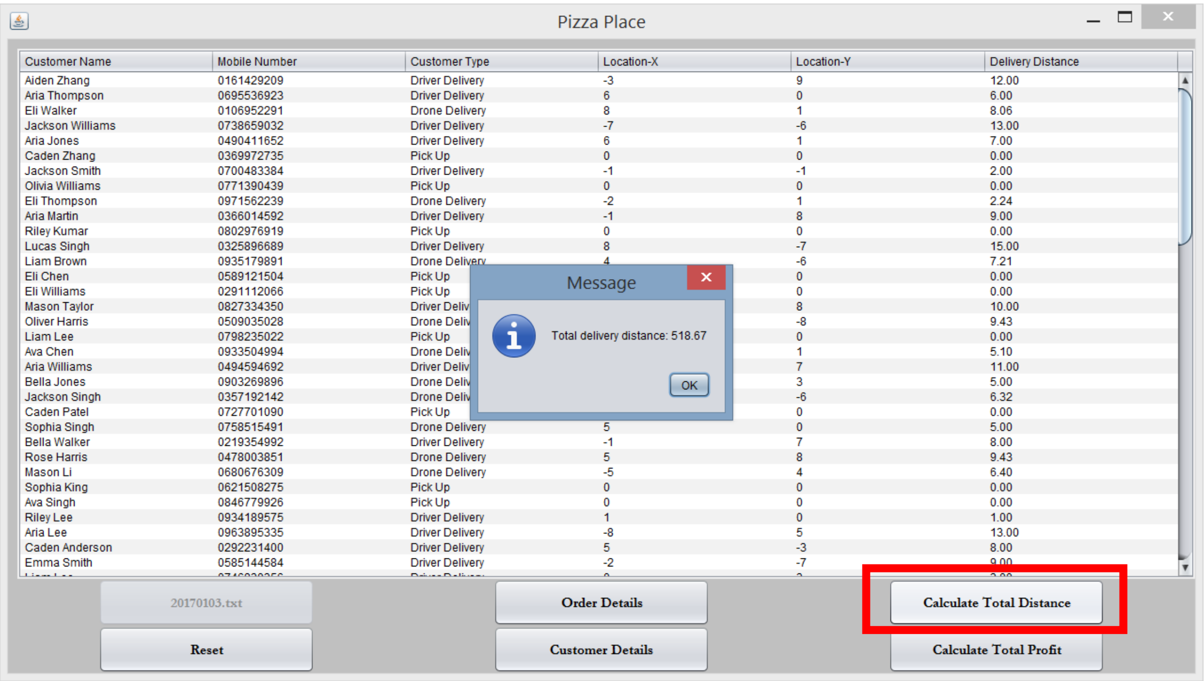
Customer Name	Mobile Number	Customer Type	Location-X	Location-Y	Delivery Distance
Aiden Zhang	0161429209	Driver Delivery	-3	9	12.00
Aria Thompson	0695536923	Driver Delivery	6	0	6.00
Eli Walker	0106952291	Drone Delivery	8	1	8.06
Jackson Williams	0738659032	Driver Delivery	-7	-6	13.00
Aria Jones	0490411652	Driver Delivery	6	1	7.00
Caden Zhang	0369972735	Pick Up	0	0	0.00
Jackson Smith	0700483384	Driver Delivery	-1	-1	2.00
Olivia Williams	0771390439	Pick Up	0	0	0.00
Eli Thompson	0971562239	Drone Delivery	-2	1	2.24
Aria Martin	0366014592	Driver Delivery	-1	8	9.00
Riley Kumar	0802976919	Pick Up	0	0	0.00
Lucas Singh	0325896689	Driver Delivery	8	-7	15.00
Liam Brown	0935179891	Drone Delivery	4	-6	7.21
Eli Chen	0589121504	Pick Up	0	0	0.00
Eli Williams	0291112066	Pick Up	0	0	0.00
Mason Taylor	0827334350	Driver Delivery	2	8	10.00
Oliver Harris	0509035028	Drone Delivery	5	-8	9.43
Liam Lee	0798235022	Pick Up	0	0	0.00
Ava Chen	0933504994	Drone Delivery	5	1	5.10
Aria Williams	0494594692	Driver Delivery	-4	7	11.00
Bella Jones	0903269896	Drone Delivery	-4	3	5.00
Jackson Singh	0357192142	Drone Delivery	2	-6	6.32
Caden Patel	0727701090	Pick Up	0	0	0.00
Sophia Singh	0758515491	Drone Delivery	5	0	5.00
Bella Walker	0219354992	Driver Delivery	-1	7	8.00
Rose Harris	0478003851	Drone Delivery	5	8	9.43
Mason Li	0680676309	Drone Delivery	-5	4	6.40
Sophia King	0621508275	Pick Up	0	0	0.00
Ava Singh	0846779926	Pick Up	0	0	0.00
Riley Lee	0934189575	Driver Delivery	1	0	1.00
Aria Lee	0963895335	Driver Delivery	-8	5	13.00
Caden Anderson	0292231400	Driver Delivery	5	-3	8.00
Emma Smith	0585144584	Driver Delivery	-2	-7	9.00



No File Selected

2.3 SUCCESSFULLY CALCULATING AND DISPLAYING THE TOTAL DISTANCE TRAVELLED

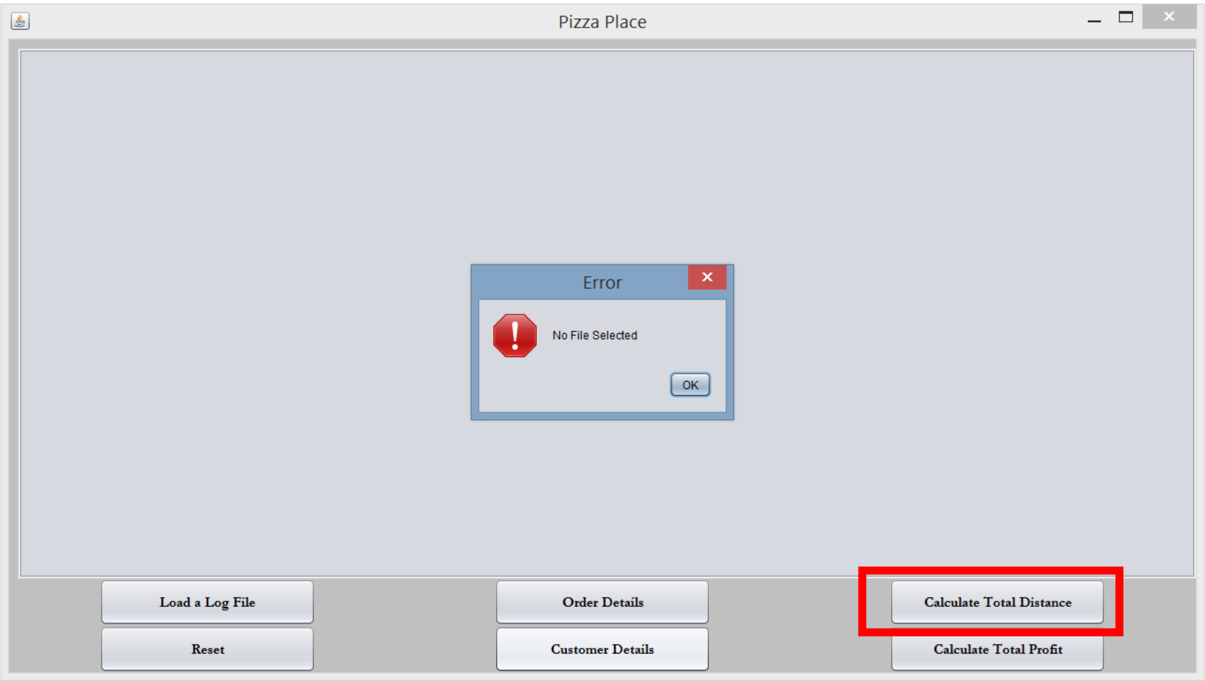
Test Name	CalculateAndDisplayDistanceTravelled
Test Objectives	To test whether the program is able to calculate the total delivery distance travelled based from the log file and display to the user.
User Interaction	• Select the **"Calculate Total Distance"** button after loaded a file
Initial State	The window is displaying the customer details.
Success Case	A message box will pop out showing the calculated total distance travelled based on the log file's content.
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 pop out informing the user the file is not loaded.



Customer Name	Mobile Number	Customer Type	Location-X	Location-Y	Delivery Distance
Aiden Zhang	0161429209	Driver Delivery	-3	9	12.00
Aria Thompson	0695536923	Driver Delivery	6	0	6.00
Eli Walker	0106952291	Drone Delivery	8	1	8.06
Jackson Williams	0738659032	Driver Delivery	-7	-6	13.00
Aria Jones	0490411652	Driver Delivery	6	1	7.00
Caden Zhang	0369972735	Pick Up	0	0	0.00
Jackson Smith	0700483384	Driver Delivery	-1	-1	2.00
Olivia Williams	0771390439	Pick Up	0	0	0.00
Eli Thompson	0971562239	Drone Delivery	-2	1	2.24
Aria Martin	0366014592	Driver Delivery	-1	8	9.00
Riley Kumar	0802976919	Pick Up	0	0	0.00
Lucas Singh	0325896689	Driver Delivery	8	-7	15.00
Liam Brown	0935179891	Drone Delivery	4	-6	7.21
Eli Chen	0589121504	Pick Up		0	0.00
Eli Williams	0291112066	Pick Up		0	0.00
Mason Taylor	0827334350	Driver Deliv		8	10.00
Oliver Harris	0509035028	Drone Deliv		-8	9.43
Liam Lee	0798235022	Pick Up		0	0.00
Ava Chen	0933504994	Drone Deliv		1	5.10
Aria Williams	0494594692	Driver Deliv		7	11.00
Bella Jones	0903269896	Drone Deliv		3	5.00
Jackson Singh	0357192142	Drone Deliv		-6	6.32
Caden Patel	0727701090	Pick Up		0	0.00
Sophia Singh	0758515491	Drone Delivery	5	0	5.00
Bella Walker	0219354992	Driver Delivery	-1	7	8.00
Rose Harris	0478003851	Drone Delivery	5	8	9.43
Mason Li	0680676309	Drone Delivery	-5	4	6.40
Sophia King	0621508275	Pick Up	0	0	0.00
Ava Singh	0846779926	Pick Up	0	0	0.00
Riley Lee	0934189575	Driver Delivery	1	0	1.00
Aria Lee	0963895335	Driver Delivery	-8	5	13.00
Caden Anderson	0292231400	Driver Delivery	5	-3	8.00
Emma Smith	0585144584	Driver Delivery	-2	-7	9.00

Message

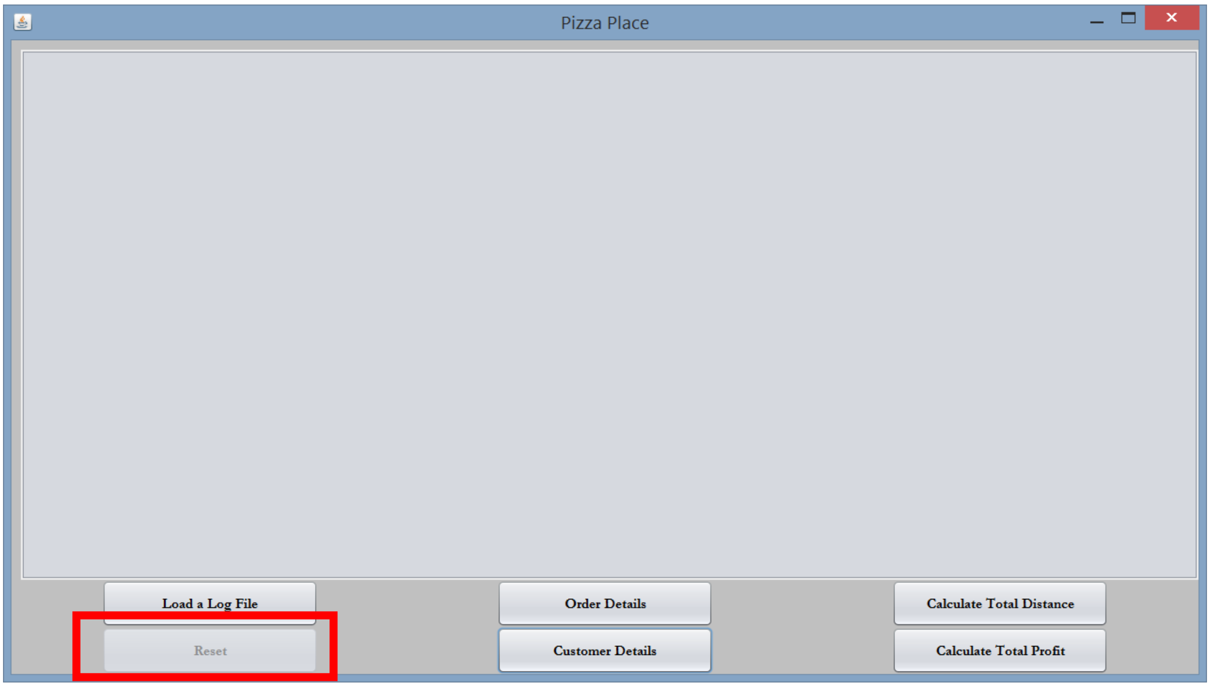
Total delivery distance: 518.67



Pizza Place
Error
No File Selected
OK
Load a Log File
Reset
Order Details
Customer Details
Calculate Total Distance
Calculate Total Profit

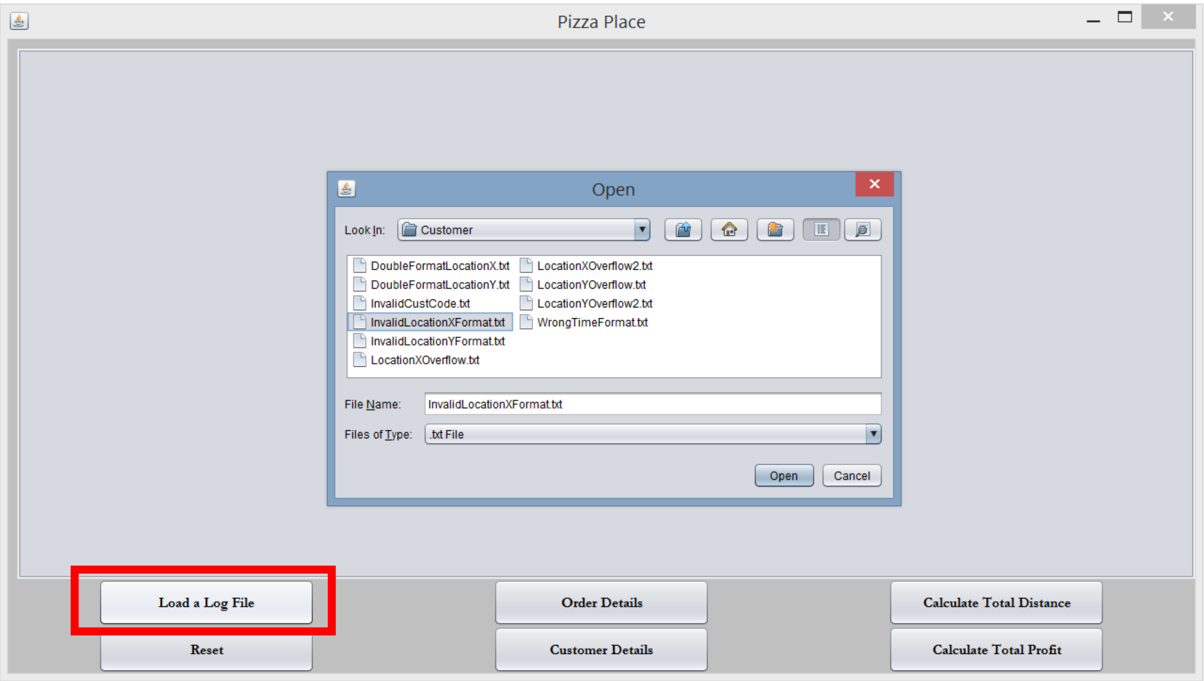
2.4 SUCCESSFULLY RESETTING THE SYSTEM AND CLEARING ALL INFORMATION

Test Name	ResettingSystemAndClearingAllInformation
Test Objectives	To test the program behavior after pressing the **"Reset"** button
User Interaction	- Press the **"Reset"** button after loaded file
Initial State	The window with the correct Log file loading.
Success Case	The JTable and the data it displays will be cleared. The program will be reset to its initial state. Reset button is disabled after reset
Failed Case	The **"Reset"** button will stay disabled if no file is loaded to the program.



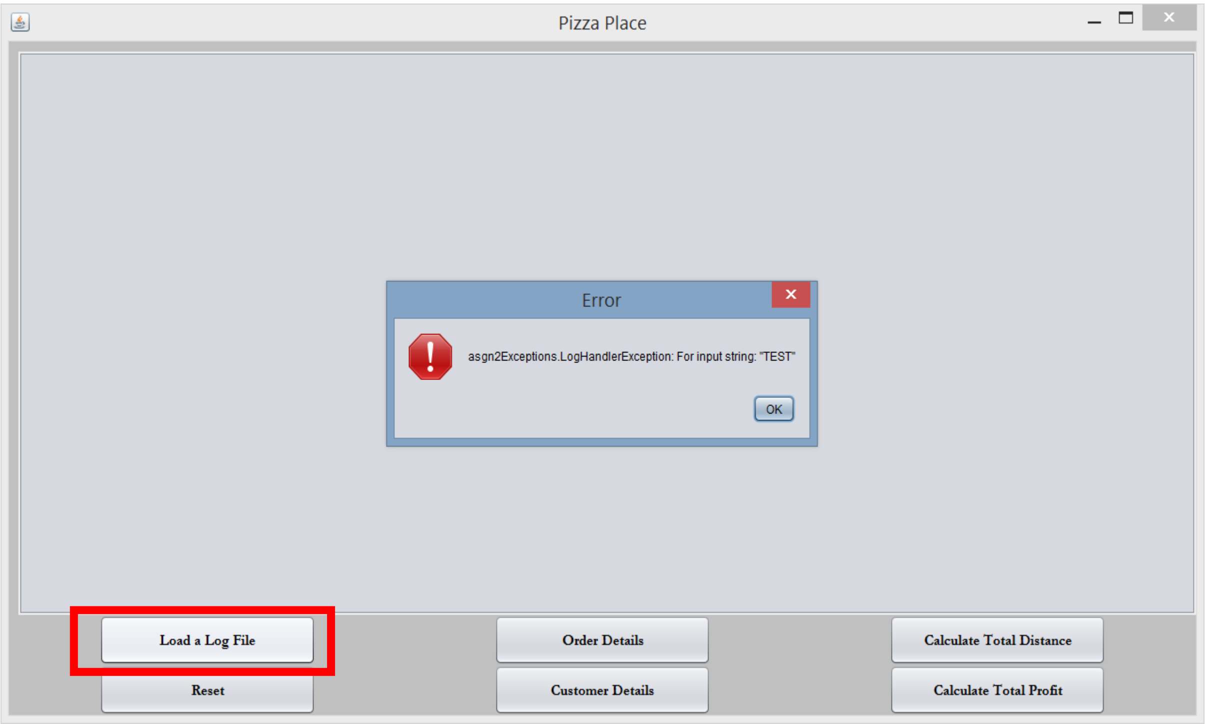
2.5 Informing the user when a log file contains invalid customer details.

Test Name	LoadingFileWithInvalidCustomerDetails
Test Objectives	To test the program whether can handle exception when wrong file format, invalid content loaded to the program.
User Interaction	- Run the program - Press the Load a Log File button - Select a Log file with invalid content then press Open
Initial State	A program window with zero content.
Success Case	A message box will pop out and tell the user there is error when the program trying to open the file and inform what is the exception error
Failed Case	-


Look In: Customer

File Name: InvalidLocationXFormat.txt

Files of Type: .txt File

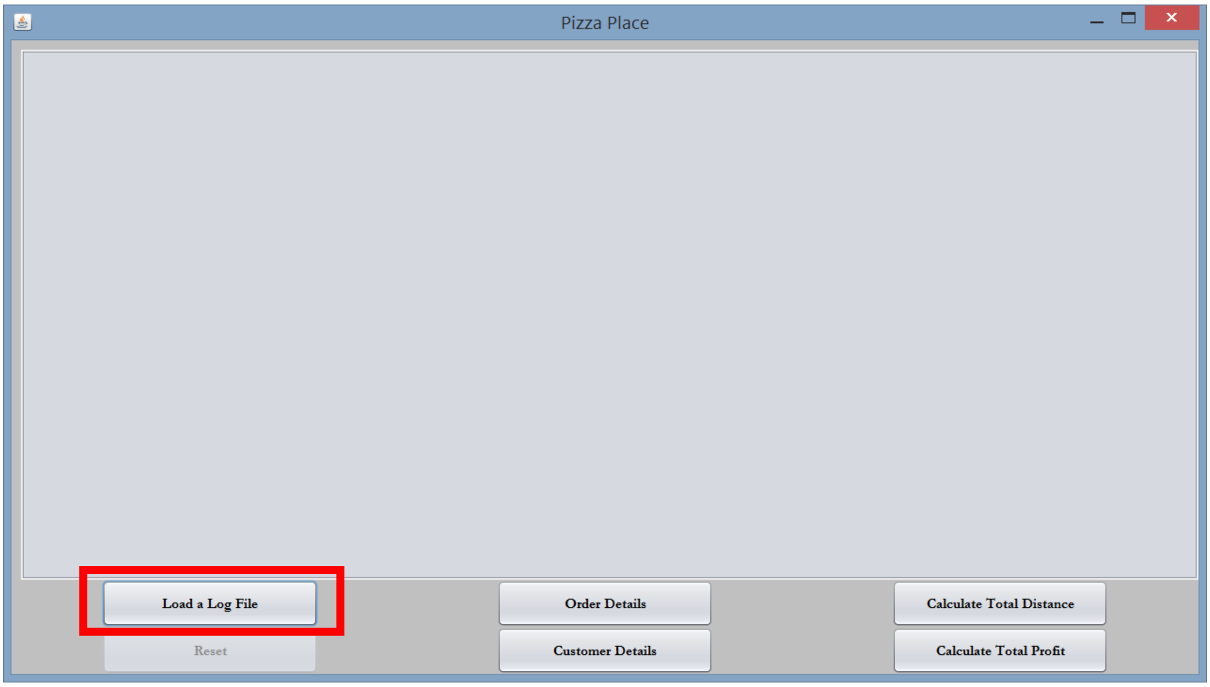


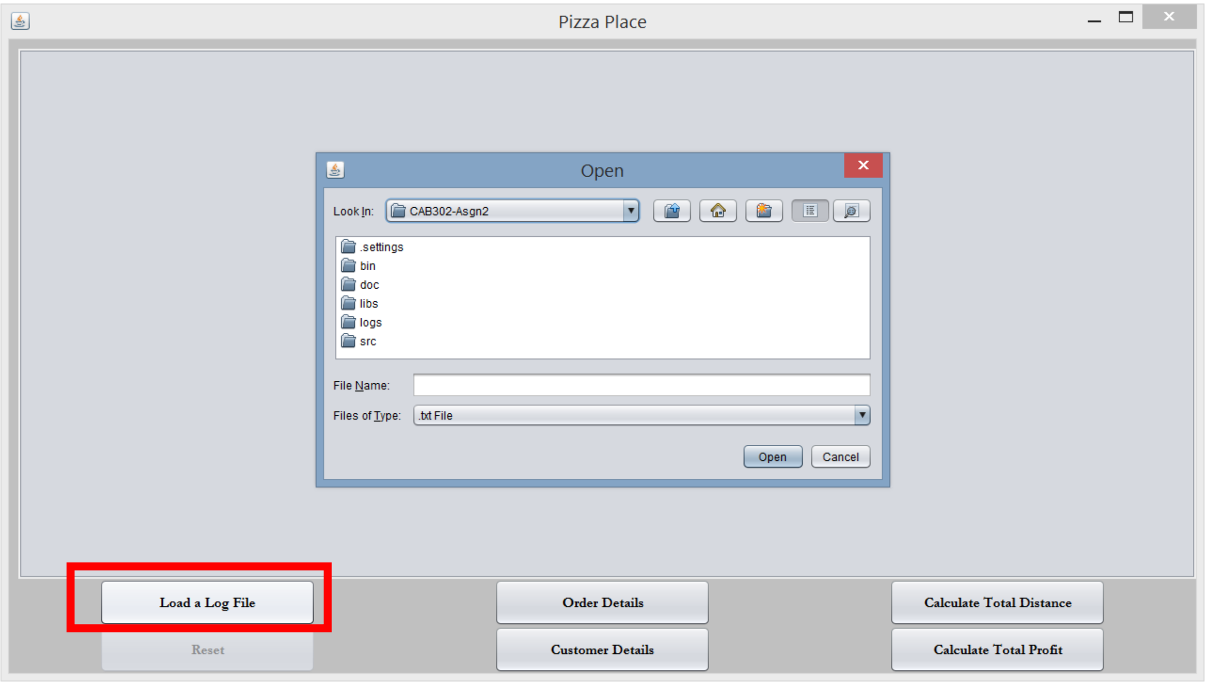
```
asgn2Exceptions.LogHandlerException: For input string: "TEST"
```

3 PERSON B (CHAN KUOK KIT)

3.1 SUCCESSFULLY LOADING A LOG FILE

Test Name	LoadATextFileFromDirectory
Test Objectives	The program will ask user to load a Log file in .txt format. After loaded successfully, program should read the log files content and hold it for other function.
User Interaction	• Run the program • Press the **“Load a Log File”** button • Select the correct Log file then press Open
Initial State	The program will be loaded with empty content shows. The **“Reset”** is disabled since no file is loaded.
Success Case	A message box pop out to tell the user the log file has been loaded correctly. The **“Load a Log File”** button text will change to the file name that the program is currently reading and become disabled.
Failed Case	-



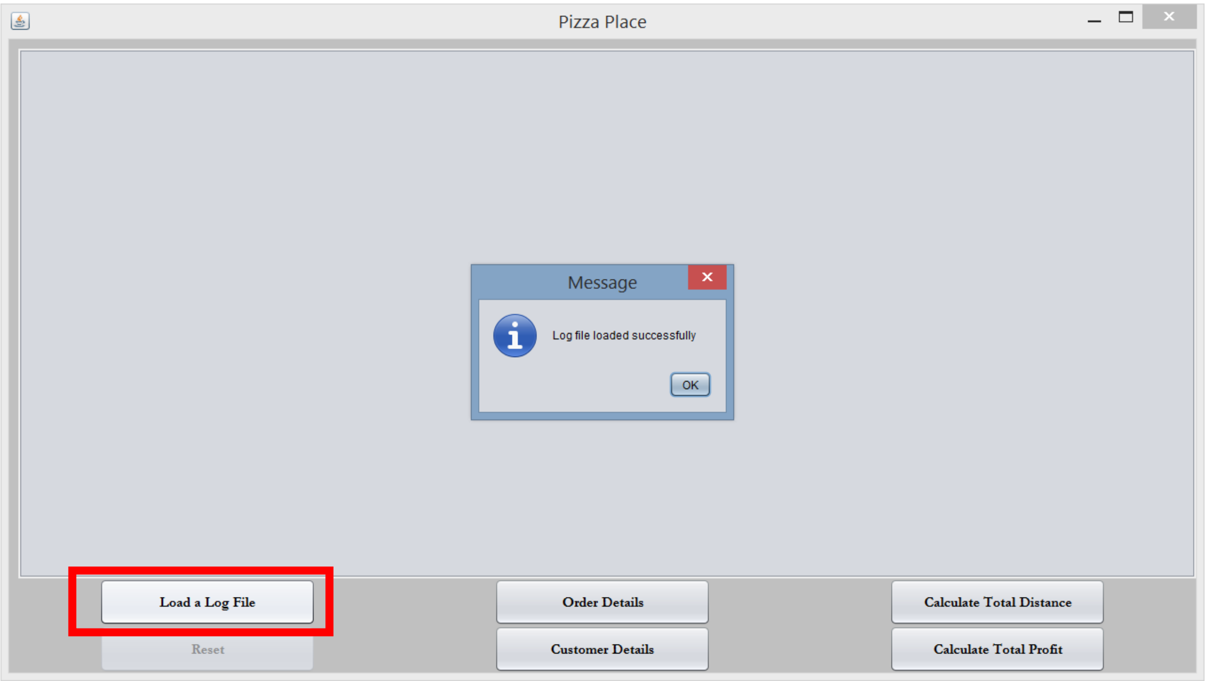


Look In: CAB302-Asgn2

.settings
bin
doc
libs
logs
src

File Name:

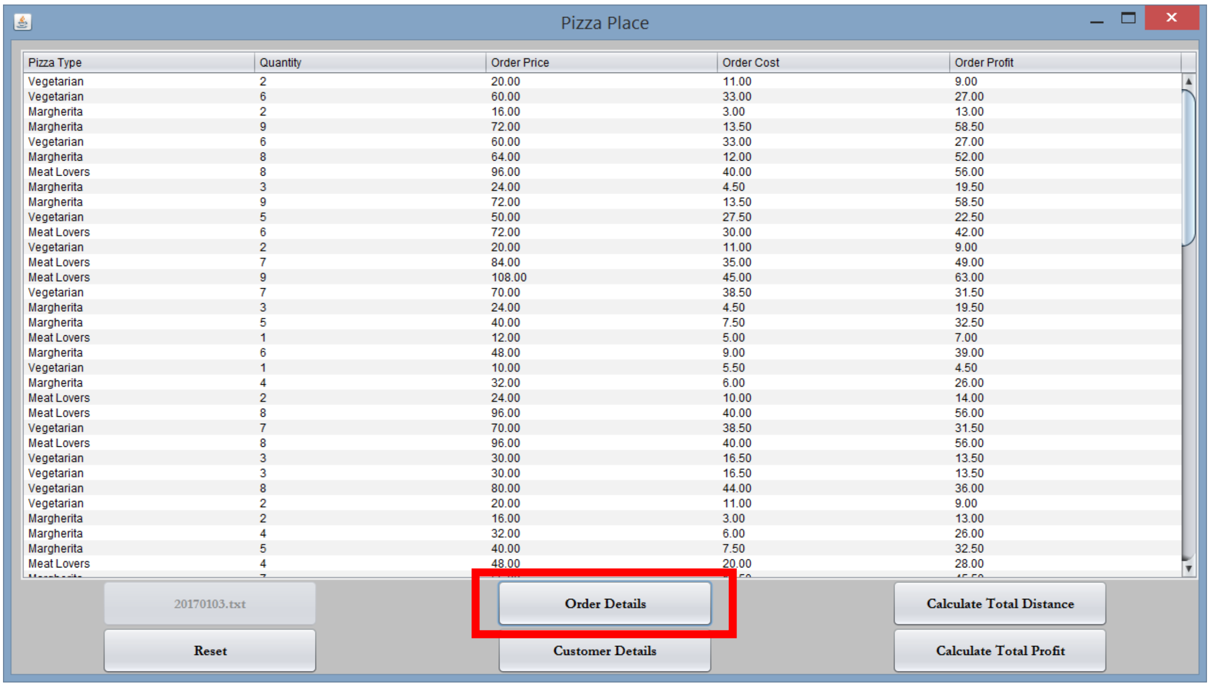
Files of Type: .txt File



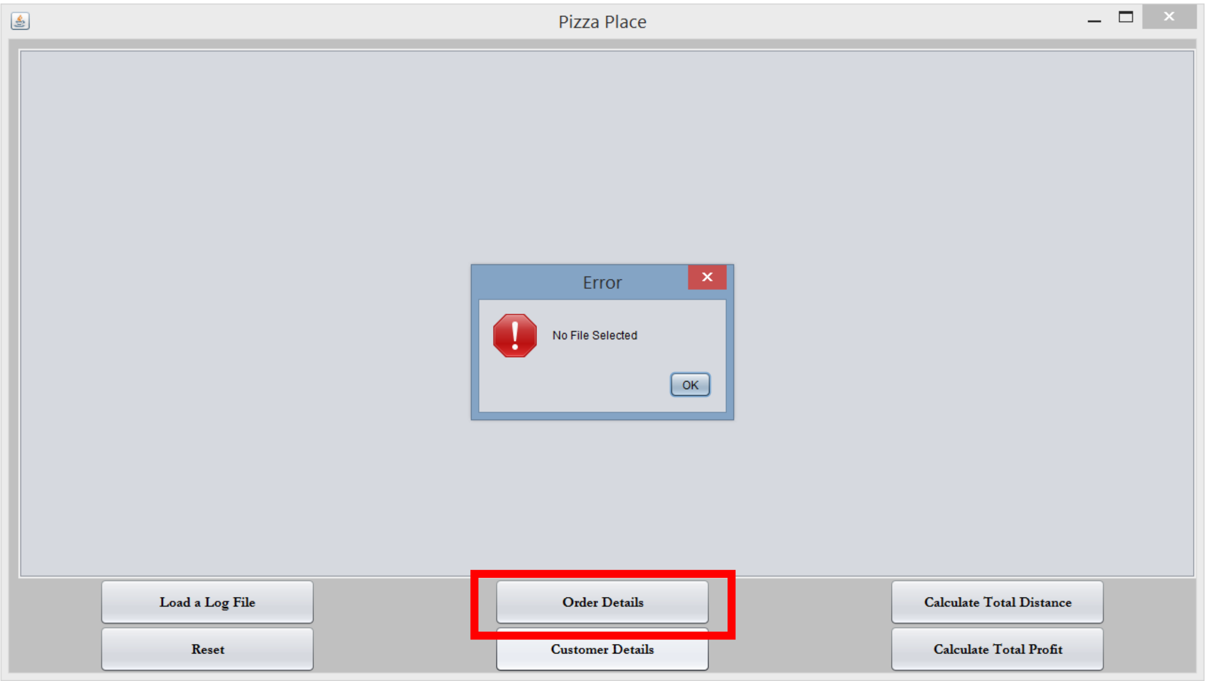
Log file loaded successfully

3.2 SUCCESSFULLY DISPLAYING DETAILS RELATED TO THE ORDER

Test Name	DisplayOrderRelatedDetails
Test Objectives	To test whether the program able to load and display the order's content properly to the table with clear, readable and user friendly messages.
User Interaction	• Select the **"Order Details"** button after loaded a file to the program
Initial State	A program window with zero content. The first button's text is displaying the file name currently loaded in the program.
Success Case	A JTable will be displayed on the empty area, showing all the order related details in their own columns.
Failed Case	Appeared when file is not loaded in the program and the user pressed the **"Order Details"** button. A message box will pop out inform the user that no file loaded.



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	8	96.00	40.00	56.00
Vegetarian	3	30.00	16.50	13.50
Vegetarian	3	30.00	16.50	13.50
Vegetarian	8	80.00	44.00	36.00
Vegetarian	2	20.00	11.00	9.00
Margherita	2	16.00	3.00	13.00
Margherita	4	32.00	6.00	26.00
Margherita	5	40.00	7.50	32.50
Meat Lovers	4	48.00	20.00	28.00

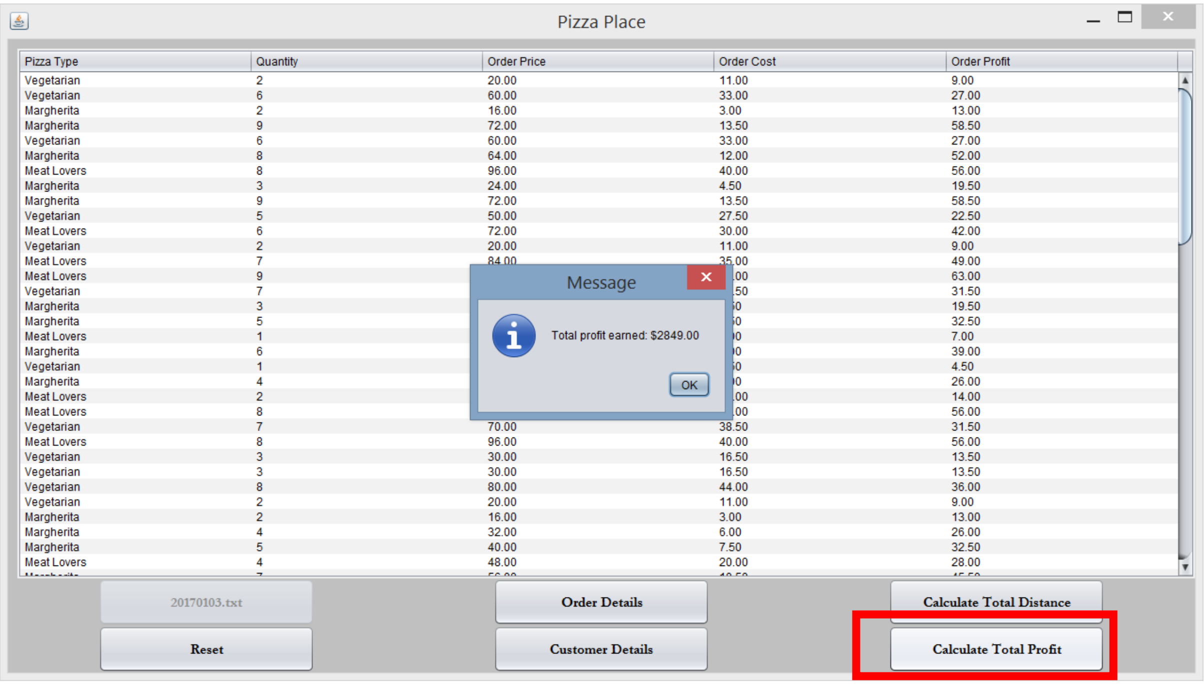


Error

No File Selected

3.3 SUCCESSFULLY CALCULATING AND DISPLAYING THE TOTAL PROFIT

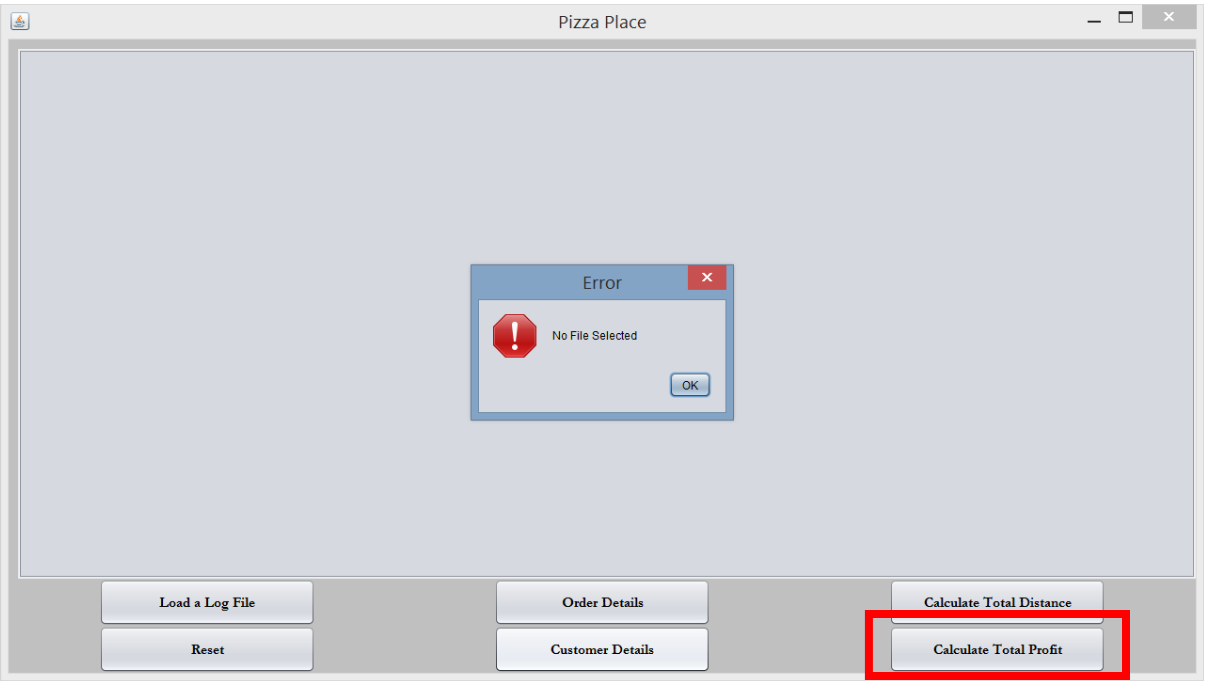
Test Name	CalculateAndDisplayTotalProfit
Test Objectives	To test whether the program is able to calculate the total profit based from the log file and display to the user.
User Interaction	- Press the **"Calculate Total Profit"** button after loaded a file
Initial State	The window with the correct Log file loading.
Success Case	A message box will pop out showing the calculated total profit based on the log file's content.
Failed Case	Happens when file is not loaded to the program and the user pressed the **"Calculate Total Profit"** button. A message box will pop out informing the user the file is not loaded.



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	[illegible]	.00	63.00
Vegetarian	7	[illegible]	.50	31.50
Margherita	3	[illegible]	0	19.50
Margherita	5	[illegible]	0	32.50
Meat Lovers	1	[illegible]	0	7.00
Margherita	6	[illegible]	0	39.00
Vegetarian	1	[illegible]	0	4.50
Margherita	4	[illegible]	0	26.00
Meat Lovers	2	[illegible]	.00	14.00
Meat Lovers	8	[illegible]	.00	56.00
Vegetarian	7	70.00	38.50	31.50
Meat Lovers	8	96.00	40.00	56.00
Vegetarian	3	30.00	16.50	13.50
Vegetarian	3	30.00	16.50	13.50
Vegetarian	8	80.00	44.00	36.00
Vegetarian	2	20.00	11.00	9.00
Margherita	2	16.00	3.00	13.00
Margherita	4	32.00	6.00	26.00
Margherita	5	40.00	7.50	32.50
Meat Lovers	4	48.00	20.00	28.00

Message

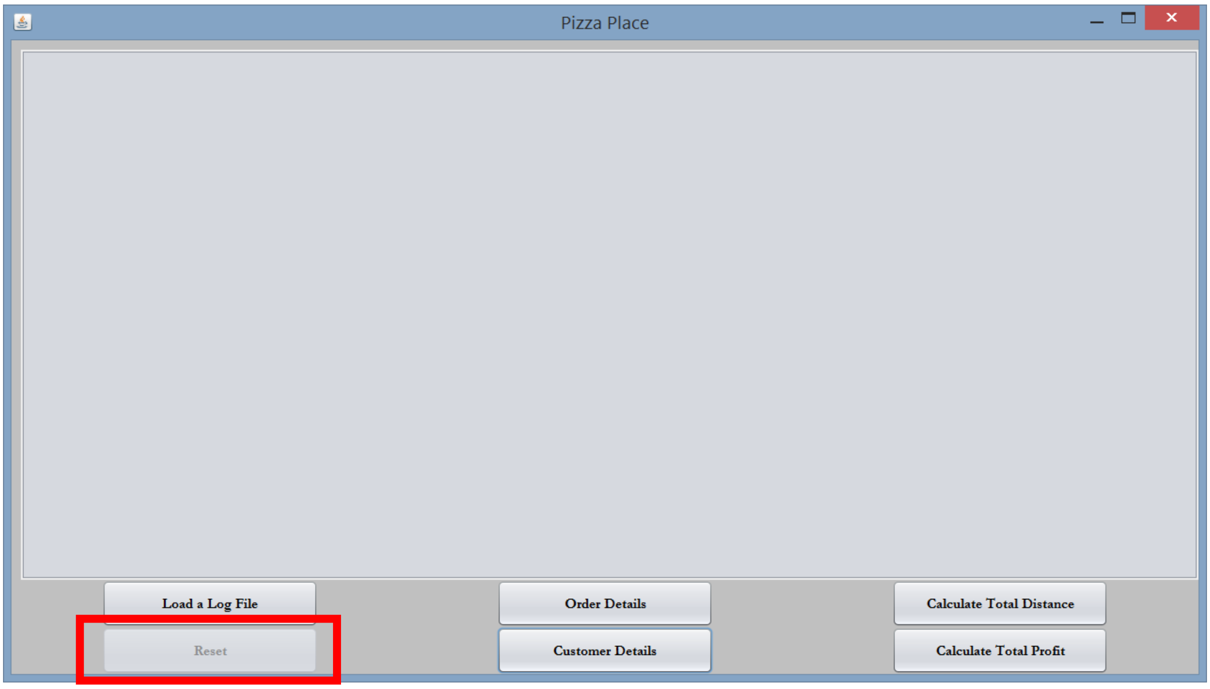
Total profit earned: $2849.00



No File Selected

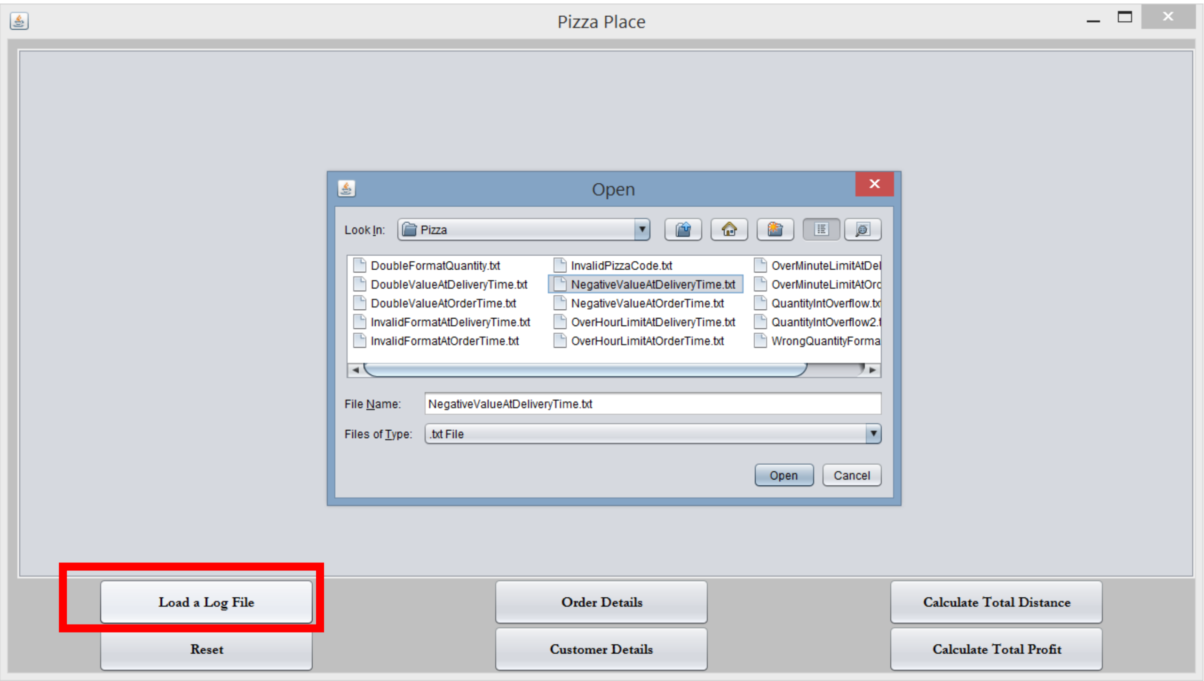
3.4 SUCCESSFULLY RESETTING THE SYSTEM AND CLEARING ALL INFORMATION

Test Name	ResettingSystemAndClearingAllInformation
Test Objectives	To test the program behavior after pressing the **“Reset”** button
User Interaction	- Press the **“Reset”** button after loaded file
Initial State	A program with log file loaded.
Success Case	The JTable and the data it displays will be clear. The program will be reset to its initial state. Reset button is disabled after reset
Failed Case	The **“Reset”** button will stay disabled if no file is loaded to the program.



3.5 INFORMING THE USER WHEN A LOG FILE CONTAINS INVALID PIZZA DETAILS

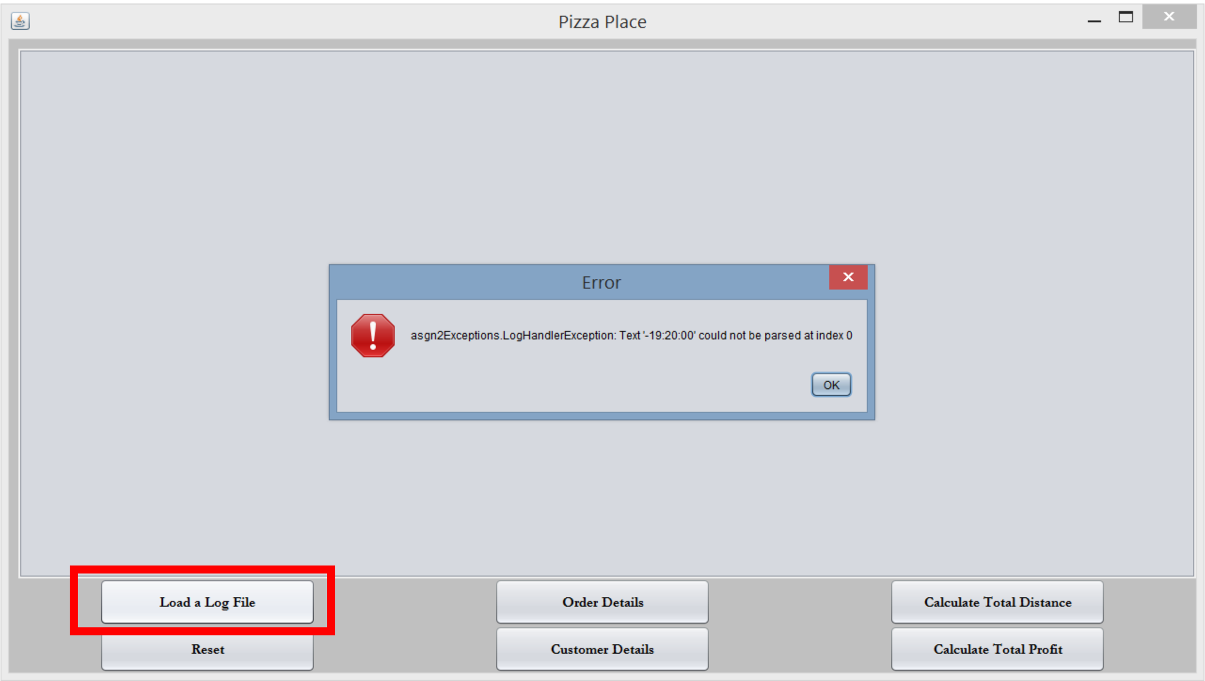
Test Name	LoadingFileWithInvalidOrderDetails
Test Objectives	To test the program whether can handle exception when wrong file format, invalid content loaded to the program.
User Interaction	• Run the program • Press the **“Load a Log File”** button • Select a Log file with invalid content then press Open
Initial State	A program window with zero content.
Success Case	A message box will pop out and tell the user there is error when the program trying to open the file and inform what is the exception error
Failed Case	-



Look In: Pizza

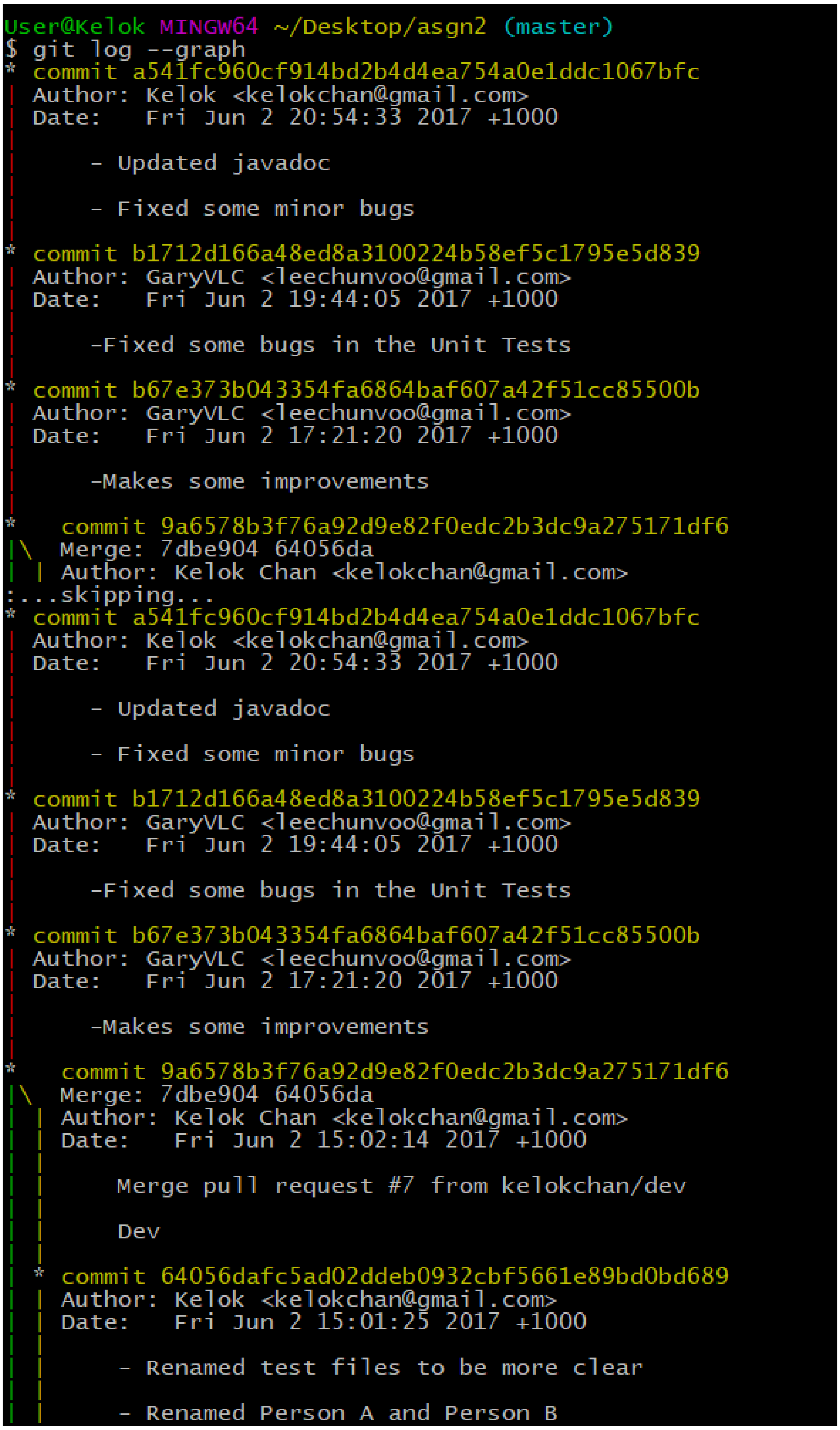
File Name: NegativeValueAtDeliveryTime.txt

Files of Type: .txt File

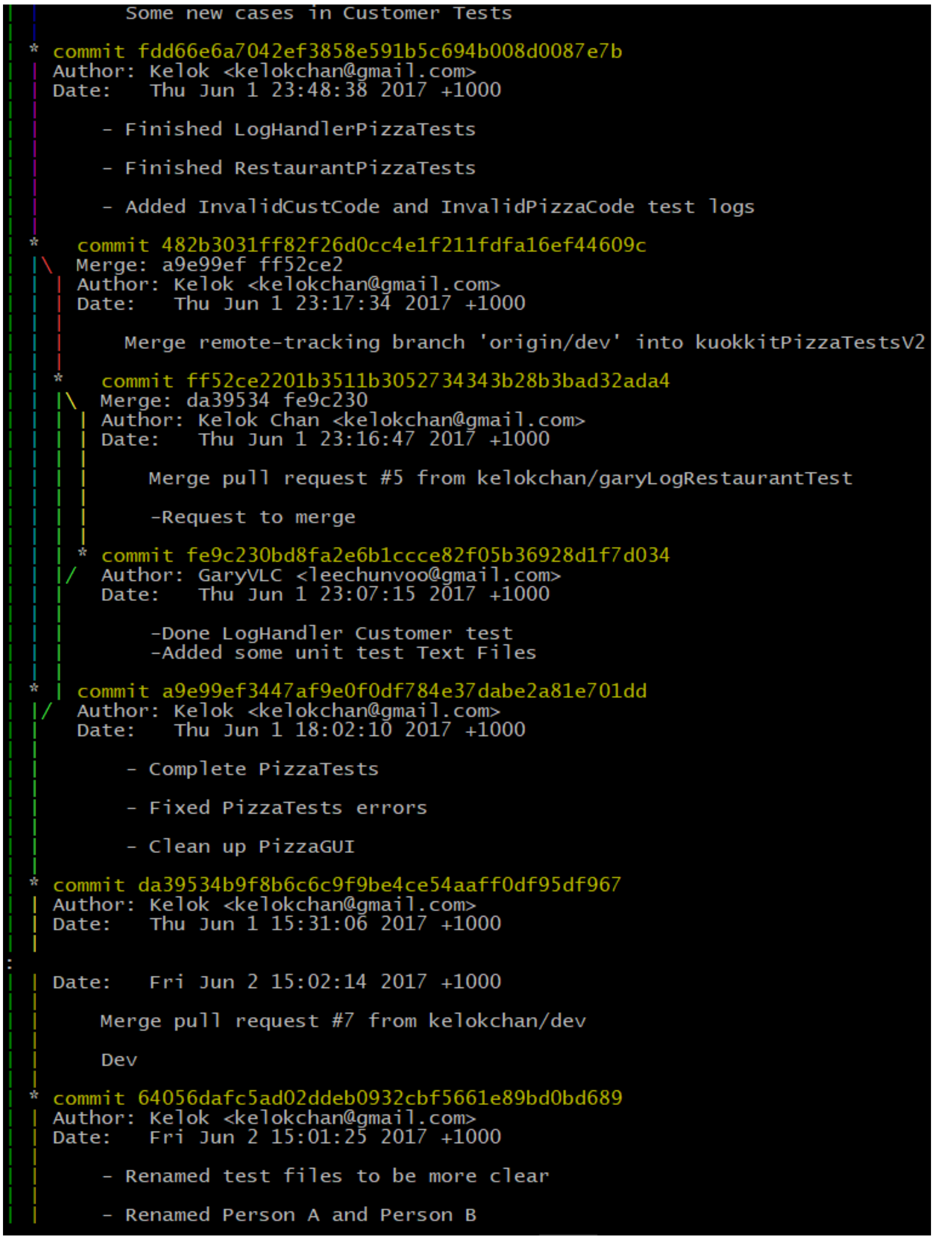


asgn2Exceptions.LogHandlerException: Text '-19:20:00' could not be parsed at index 0

4 GIT LOG SNAPSHOT



```
User@Kelok MINGW64 ~/Desktop/asgn2 (master)
$ git log --graph
* commit a541fc960cf914bd2b4d4ea754a0e1ddc1067bfc
| Author: Kelok <kelokchan@gmail.com>
| Date:   Fri Jun 2 20:54:33 2017 +1000
|
|     - Updated javadoc
|
|     - Fixed some minor bugs
|
* commit b1712d166a48ed8a3100224b58ef5c1795e5d839
| Author: GaryVLC <leechunvoo@gmail.com>
| Date:   Fri Jun 2 19:44:05 2017 +1000
|
|     -Fixed some bugs in the Unit Tests
|
* commit b67e373b043354fa6864baf607a42f51cc85500b
| Author: GaryVLC <leechunvoo@gmail.com>
| Date:   Fri Jun 2 17:21:20 2017 +1000
|
|     -Makes some improvements
|
*   commit 9a6578b3f76a92d9e82f0edc2b3dc9a275171df6
|\  Merge: 7dbe904 64056da
| | Author: Kelok Chan <kelokchan@gmail.com>
:...skipping...
* commit a541fc960cf914bd2b4d4ea754a0e1ddc1067bfc
| Author: Kelok <kelokchan@gmail.com>
| Date:   Fri Jun 2 20:54:33 2017 +1000
|
|     - Updated javadoc
|
|     - Fixed some minor bugs
|
* commit b1712d166a48ed8a3100224b58ef5c1795e5d839
| Author: GaryVLC <leechunvoo@gmail.com>
| Date:   Fri Jun 2 19:44:05 2017 +1000
|
|     -Fixed some bugs in the Unit Tests
|
* commit b67e373b043354fa6864baf607a42f51cc85500b
| Author: GaryVLC <leechunvoo@gmail.com>
| Date:   Fri Jun 2 17:21:20 2017 +1000
|
|     -Makes some improvements
|
*   commit 9a6578b3f76a92d9e82f0edc2b3dc9a275171df6
|\  Merge: 7dbe904 64056da
| | Author: Kelok Chan <kelokchan@gmail.com>
| | Date:   Fri Jun 2 15:02:14 2017 +1000
| |
| |     Merge pull request #7 from kelokchan/dev
| |
| |     Dev
| |
| * commit 64056dafc5ad02ddeb0932cbf5661e89bd0bd689
| | Author: Kelok <kelokchan@gmail.com>
| | Date:   Fri Jun 2 15:01:25 2017 +1000
| |
| |     - Renamed test files to be more clear
| |
| |     - Renamed Person A and Person B
```



```
| |       Some new cases in Customer Tests
| |
| * commit fdd66e6a7042ef3858e591b5c694b008d0087e7b
| | Author: Kelok <kelokchan@gmail.com>
| | Date:   Thu Jun 1 23:48:38 2017 +1000
| |
| |     - Finished LogHandlerPizzaTests
| |
| |     - Finished RestaurantPizzaTests
| |
| |     - Added InvalidCustCode and InvalidPizzaCode test logs
| |
| *   commit 482b3031ff82f26d0cc4e1f211fdfa16ef44609c
| |\  Merge: a9e99ef ff52ce2
| | | Author: Kelok <kelokchan@gmail.com>
| | | Date:   Thu Jun 1 23:17:34 2017 +1000
| | |
| | |     Merge remote-tracking branch 'origin/dev' into kuokkitPizzaTestsV2
| | |
| | *   commit ff52ce2201b3511b3052734343b28b3bad32ada4
| | |\  Merge: da39534 fe9c230
| | | | Author: Kelok Chan <kelokchan@gmail.com>
| | | | Date:   Thu Jun 1 23:16:47 2017 +1000
| | | |
| | | |     Merge pull request #5 from kelokchan/garyLogRestaurantTest
| | | |
| | | |     -Request to merge
| | | |
| | | * commit fe9c230bd8fa2e6b1ccce82f05b36928d1f7d034
| | |/  Author: GaryVLC <leechunvoo@gmail.com>
| | |   Date:   Thu Jun 1 23:07:15 2017 +1000
| | |
| | |       -Done LogHandler Customer test
| | |       -Added some unit test Text Files
| | |
| * | commit a9e99ef3447af9e0f0df784e37dabe2a81e701dd
| |/  Author: Kelok <kelokchan@gmail.com>
| |   Date:   Thu Jun 1 18:02:10 2017 +1000
| |
| |       - Complete PizzaTests
| |
| |       - Fixed PizzaTests errors
| |
| |       - Clean up PizzaGUI
| |
| * commit da39534b9f8b6c6c9f9be4ce54aaff0df95df967
| | Author: Kelok <kelokchan@gmail.com>
| | Date:   Thu Jun 1 15:31:06 2017 +1000
| |
:

| | Date:   Fri Jun 2 15:02:14 2017 +1000
| |
| |     Merge pull request #7 from kelokchan/dev
| |
| |     Dev
| |
| * commit 64056dafc5ad02ddeb0932cbf5661e89bd0bd689
| | Author: Kelok <kelokchan@gmail.com>
| | Date:   Fri Jun 2 15:01:25 2017 +1000
| |
| |     - Renamed test files to be more clear
| |
| |     - Renamed Person A and Person B
```