

Assignment - 4

Date:

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Title: GUI Programming

Problem Statement:

Transform - system from command line to GUI based application.

Objective:

Understand implementation of swing class.

Outcome:

After completion of this students can evaluate and analyze the problem and understand GUI concepts in Java.

Requirements:

64 bit Fedora 17, JDK, IDE

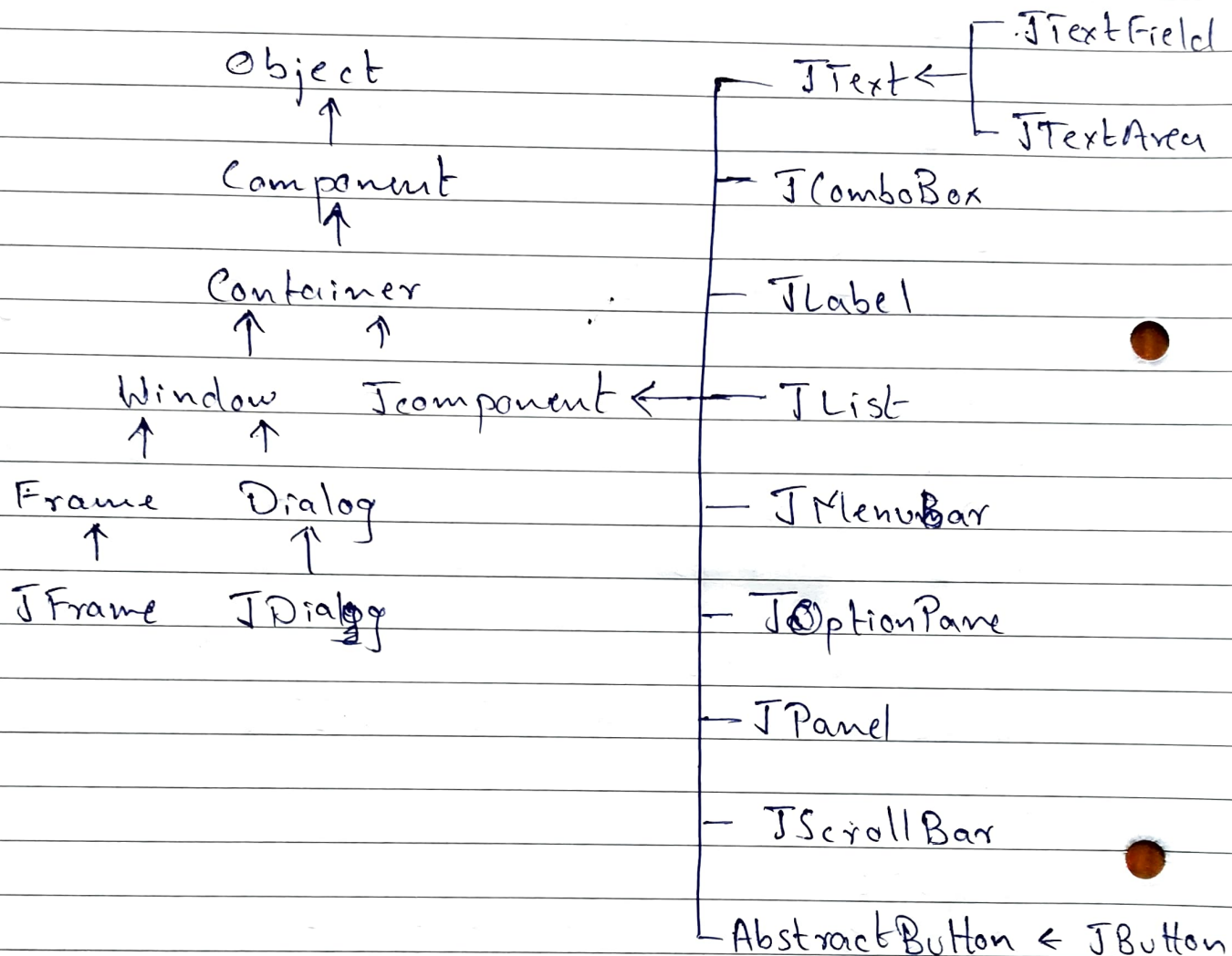
Theory:

Swings:

Java swing is a part of Java Foundation Class (JFC) that is used to create window-based applications. It is built on top of the AWT API and entirely written in java.

Unlike AWT, swings provide platform independent ~~so~~ and lightweight components.

Swing class hierarchy diagram:



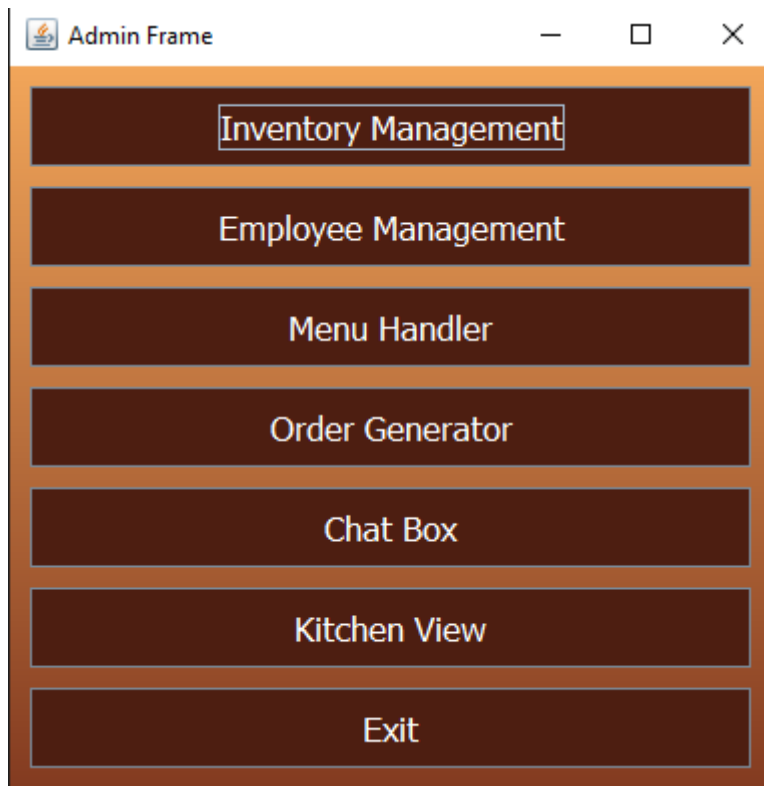
Container Class:

These are classes that can have other components on it. So far creating a GUI, we need at least one container class object.

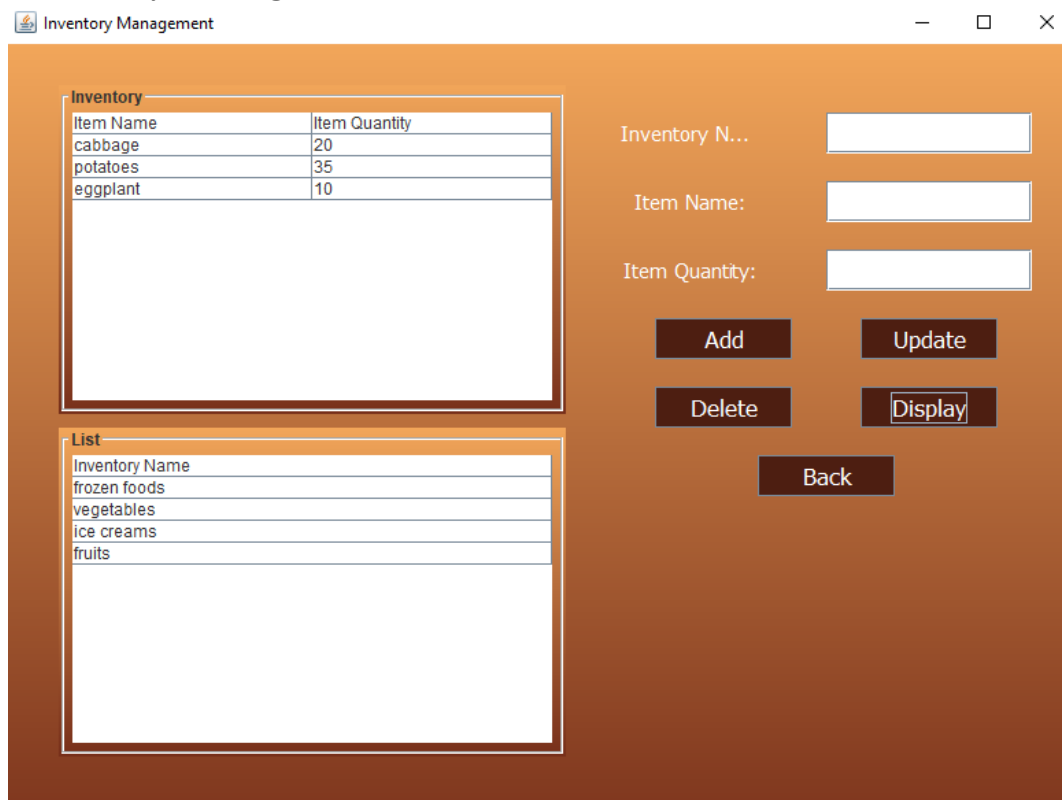
- Panel: It is a pure container and is not a window in itself.
- Frame: It is a fully functioning window with ~~an~~ its own title and icons.

Output

Admin Menu:



Inventory Management:



Employee Management:

Employee Management

Employees

Name	Age	Phone No	Designation	Address
Ram	24	784512963	Chef	Pune
Ravi	25	123245657	Chef	Pune

Name:

Age:

Phone:

Designation:

Address:

Add

Update

Delete

Back

Menu Handler:

Menu Generator

Menu

item1	50
item2	60
item3	70
item4	80
item5	90

Item Name:

Item Quantity:

Add

Update

Delete

Back

Order Generator:

Order Generator

List

Name	Table No	Total
Raju	2	260

Name:

Raju

New O...

Display

Delete

Back

Cart

Item Name	Item Quantity
item2	2
item3	2

New Order

Menu

Item Name	Item Price
item1	50
item2	60
item3	70
item4	80
item5	90

Customer ...

Raju

Table No:

2

Item Name:

Item Quant...

Add

Update

Delete

Order

Back

Total:

260

Cart

Item Name	Item Quantity
item2	2
item3	2

Chat Window:

Chat Window

[Aditya]: Hi
[you] : Hello, how may we help you today?
[Aditya]: What are your restaurent's working hours?
[you] : 11 am to 11 pm
[Aditya]: Thank you.
[you] : Welcome.

Name:

Send

Back

Message:

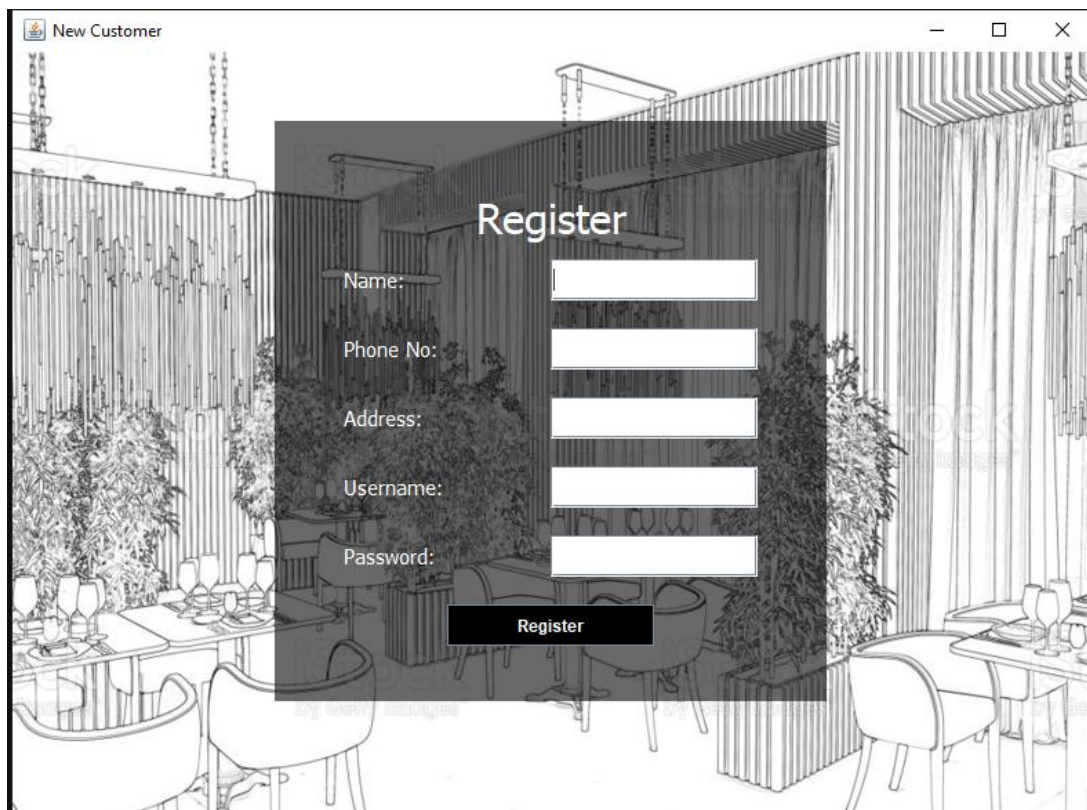
Kitchen View:

Kitchen View

Stage1 is complete.
Stage2 is complete.
Stage3 is complete.
Order of Raju is complete.

Back

Client Registration:



A screenshot of a web application window titled "New Customer". The background is a line-art illustration of a restaurant interior with tables, chairs, and plants. Overlaid on this is a dark gray registration form. The form has the title "Register" at the top. Below the title are five input fields, each preceded by a label: "Name:", "Phone No:", "Address:", "Username:", and "Password:". At the bottom of the form is a black button with the text "Register" in white.

New Customer

Register

Name:

Phone No:

Address:

Username:

Password:

Register

Client Login:



A screenshot of a web application window titled "Login". The background is the same line-art illustration of a restaurant interior. Overlaid on this is a dark gray login form. The form has the title "Hello" at the top. Below the title are two input fields, each preceded by a label: "Username:" and "Password:". The "Username:" field contains the text "asdf". The "Password:" field contains four dots "....". At the bottom of the form are two black buttons: "Login" and "Register", both with white text.

Login

Hello

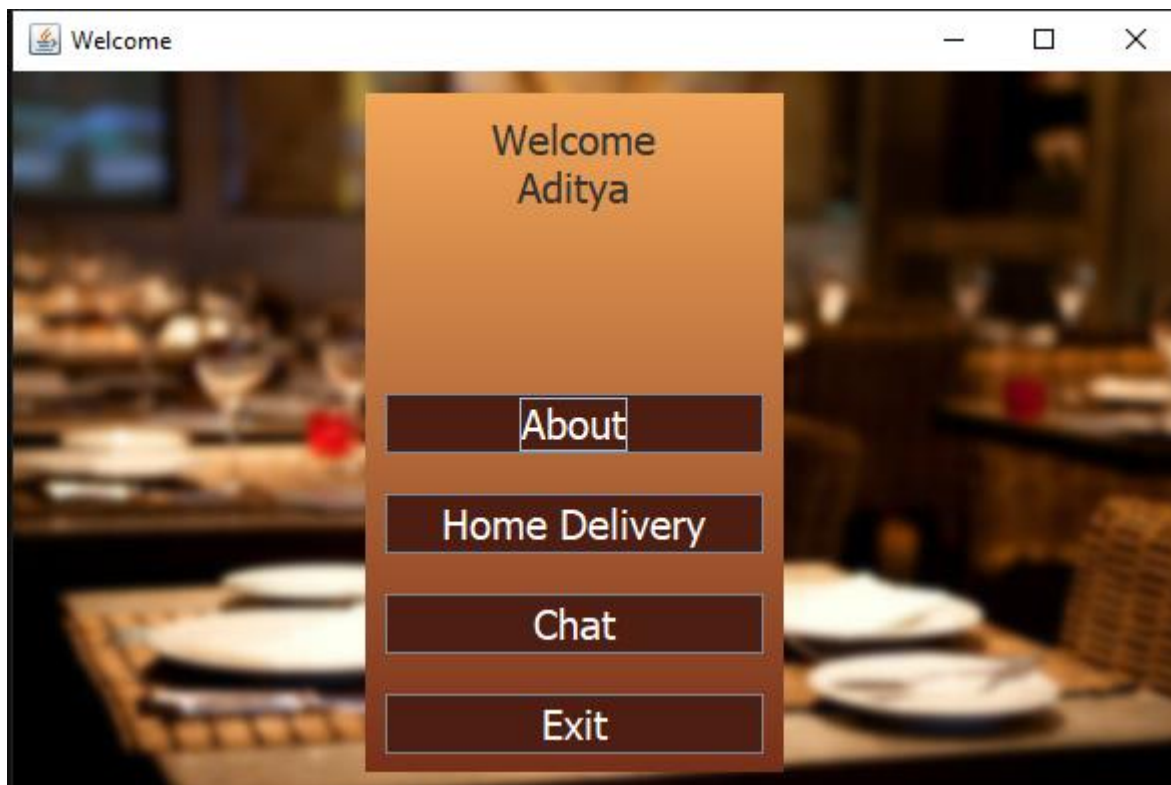
Username:

Password:

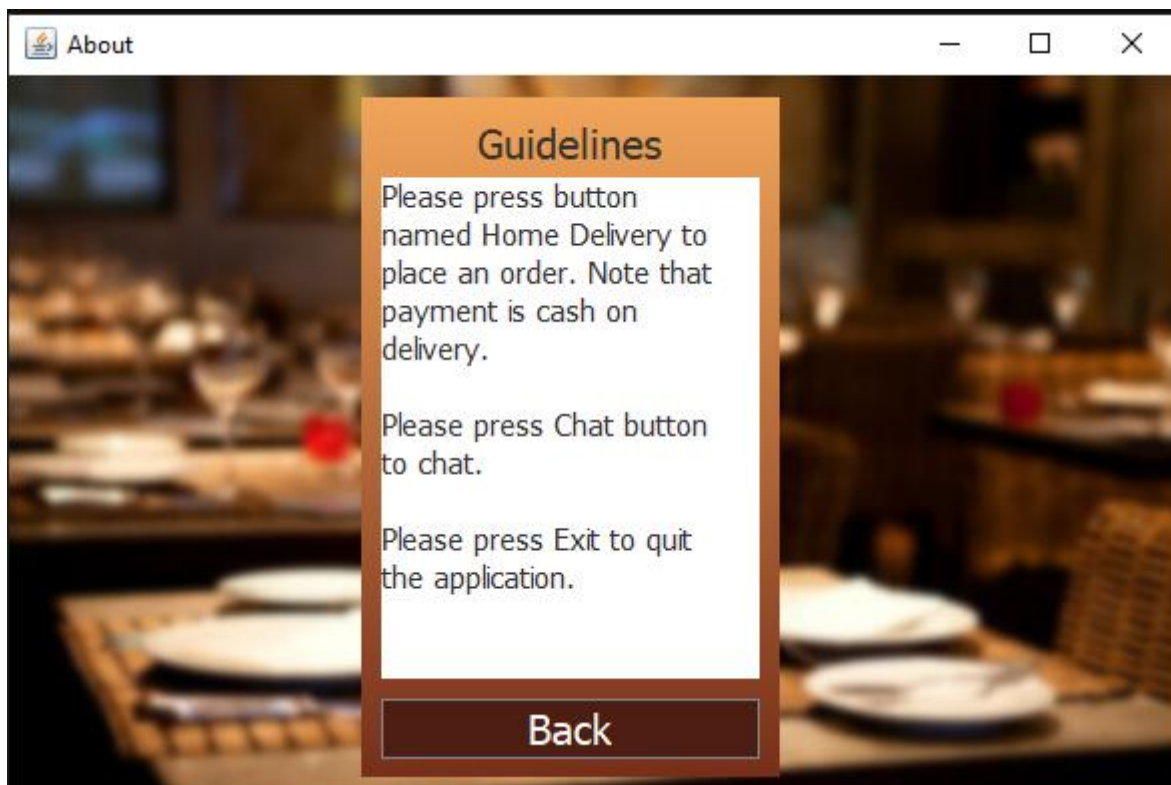
Login

Register

Client Menu:



About Frame:



Home Delivery Frame:

New Order

Menu

Item Name	Item Price
item1	50
item2	60
item3	70
item4	80
item5	90

Cart

Item Name	Item Quantity
item1	2
item3	3

Customer ...

Bobby

Item Name:

Item Quant...

Add

Update

Delete

Order

Back

Total:

310

Chat Window:

Chat Window

[you] : Hi
[Admin] : Hello, how may we help you today?
[you] : What are your restaurent's working hours?
[Admin] : 11 am to 11 pm
[you] : Thank you.
[Admin] : Welcome.

Message...

Send

Back

Conclusion:

Thus we have successfully converted our system from command line to GUI.