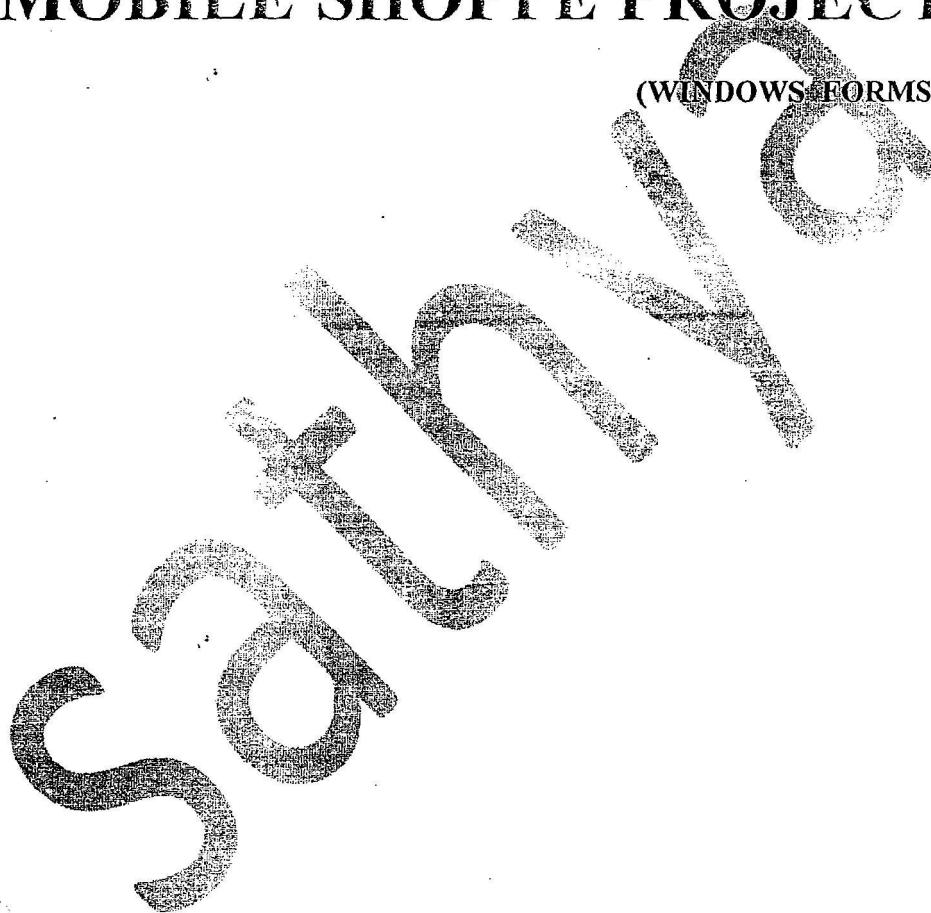


SATHYA TECHNOLOGIES

MOBILE SHOPPE PROJECT

(WINDOWS FORMS(C#.NET))



Address:

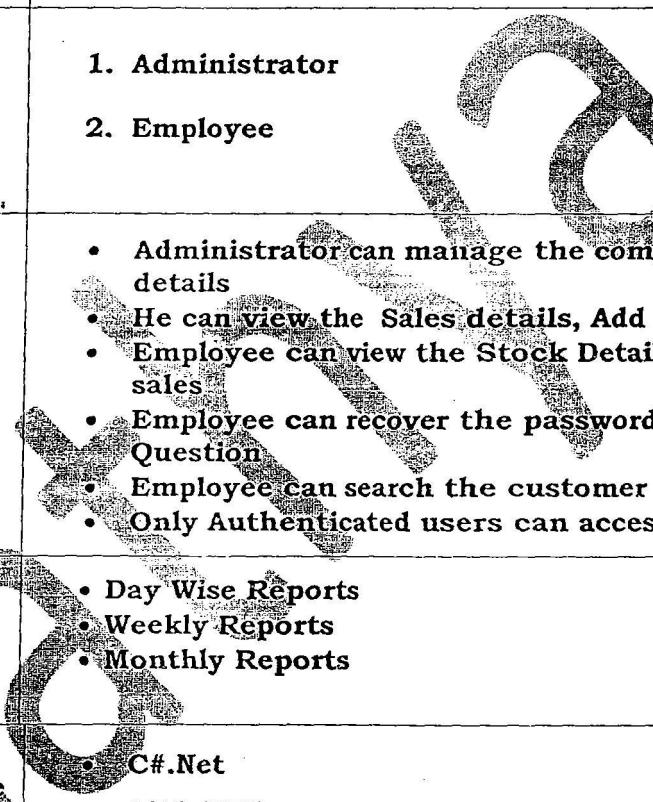
2nd Floor, Sri Sai Arcade,

Beside: Adithya Trade Center,

Ameerpet, Hyderabad-500038.

Ph:040-65538958/65538968

SATHYA TECHNOLOGIES-Mobile Shoppe Project Scenario

1.	Name of the Project	MOBILE SHOPPE
2.	Objective/ Vision	Mobile Shoppe is a windows application which is computerizing a mobile shop's day to day transactions. The objective of this project is to maintain the details of the mobile store, like maintaining product details available in the store.
3.	Users of the System	<p>1. Administrator 2. Employee</p> 
4.	Functional Requirements	<ul style="list-style-type: none"> Administrator can manage the company and model details He can view the Sales details, Add the Employees Employee can view the Stock Details and make the sales Employee can recover the password through Hint Question Employee can search the customer Only Authenticated users can access the system
5.	Reports	<ul style="list-style-type: none"> Day Wise Reports Weekly Reports Monthly Reports
6.	Languages and Technologies to be used	<ul style="list-style-type: none"> C#.Net ADO.NET
7.	Backend	MS SqlServer-2008
8.	Tools to be Used	<ul style="list-style-type: none"> Microsoft Visual Studio Editor-2010 .NET Framework-4.0 Unified Modeling Language

MOBILE SHOPPE

Description:

Mobile Shoppe is a windows application which is computerizing a mobile shop's day to day transactions. The objective of this project is to maintain the details of the mobile store, like maintaining product details available in the store.

Admin:

Admin will have following privileges.

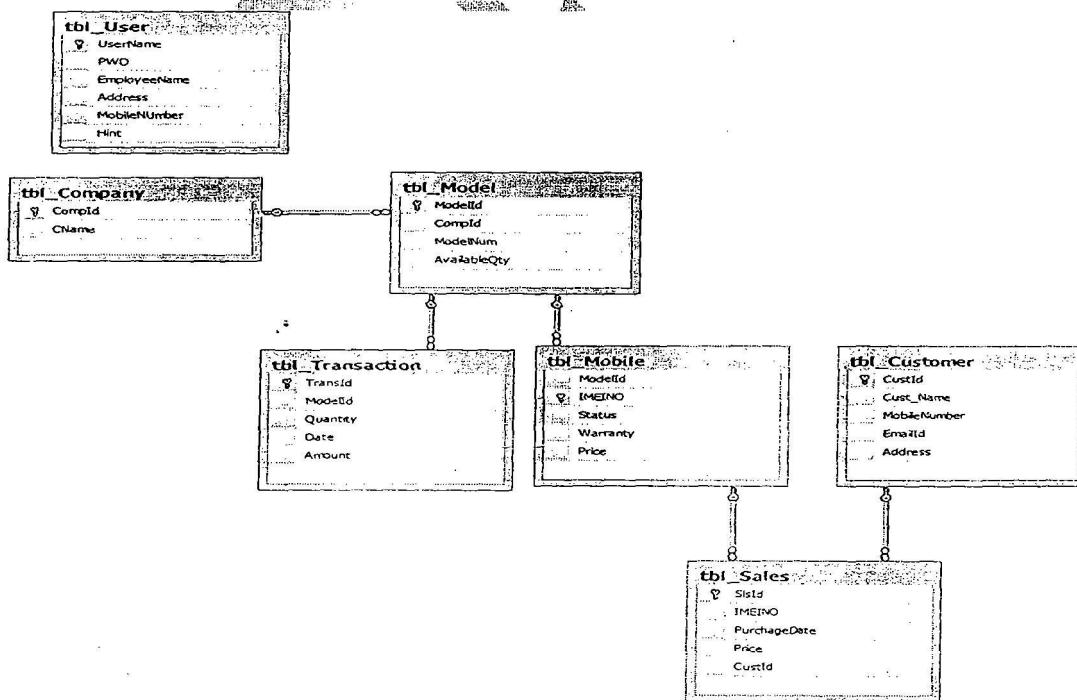
- Adding Company Names
- Adding Mobile Models
- Updating Stock
- Adding Mobile Details with IMEI number
- Adding Employees
- Viewing Sales Details(Date Wise and Date to Date)

Employee:

Employee will have following privileges.

- Adding Sales Details
- Viewing Stock Details
- Searching Customer Information by using mobile IMEI number

Database Design

ER Diagrams


UseCase Diagrams:

Use case is used to define the core elements and process that make up a system.

It contains two things those are

1. Actor
2. UseCase

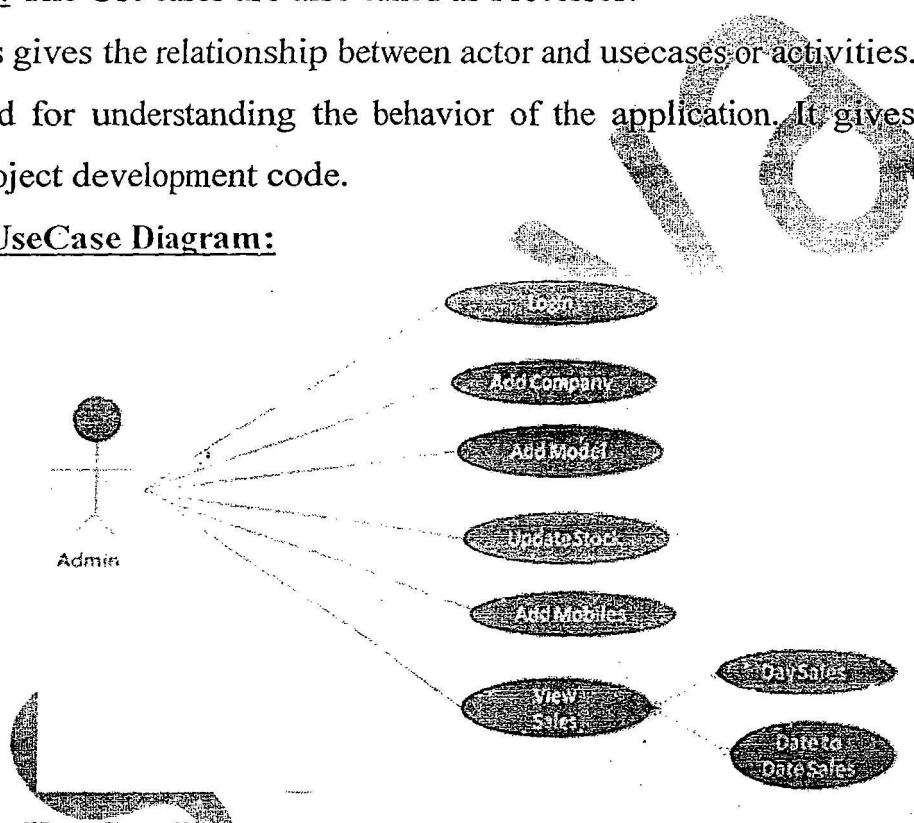
Actor: The actors are also called as key elements.

UseCase: The Use cases are also called as Processes.

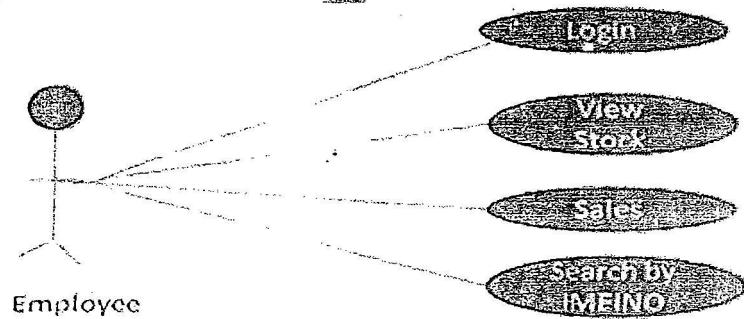
It always gives the relationship between actor and usecases or activities.

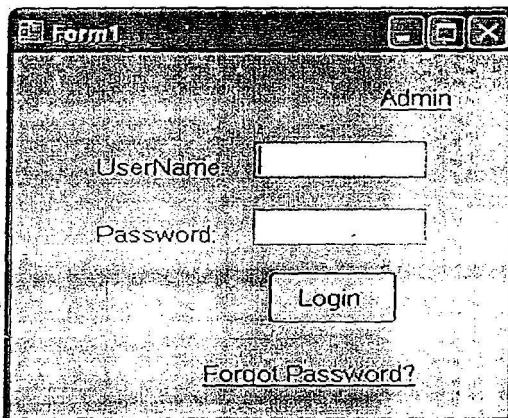
It is used for understanding the behavior of the application. It gives the clarity about project development code.

Admin UseCase Diagram:



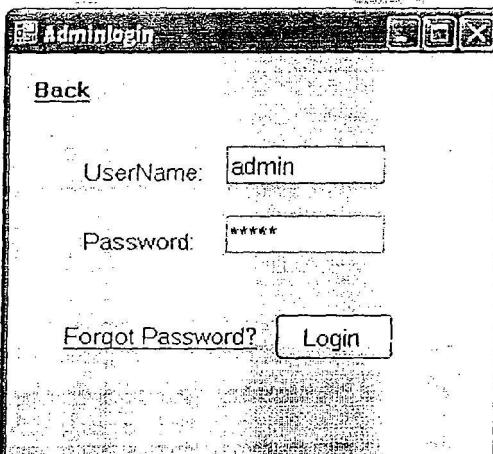
Employee Use Case Diagram:





- when the user clicks on the admin button it should redirect to "Admin Login" Form

1. Admin Login Form



- Give the username and password as "admin".
- When the admin clicks on login button if it is valid it should redirect to "Admin Home" form otherwise it should display an error message.

2. Admin Homepage

AddComapany:

Create a table with name "tbl_Company" as shown below.

tbl_Company

Column Name	Data Type	Allow Nulls
CID	varchar(20)	<input type="checkbox"/>
CName	varchar(20)	<input checked="" type="checkbox"/>

Admin Homepage

Add Update Stock Sale Report Employee

Company Model Mobile

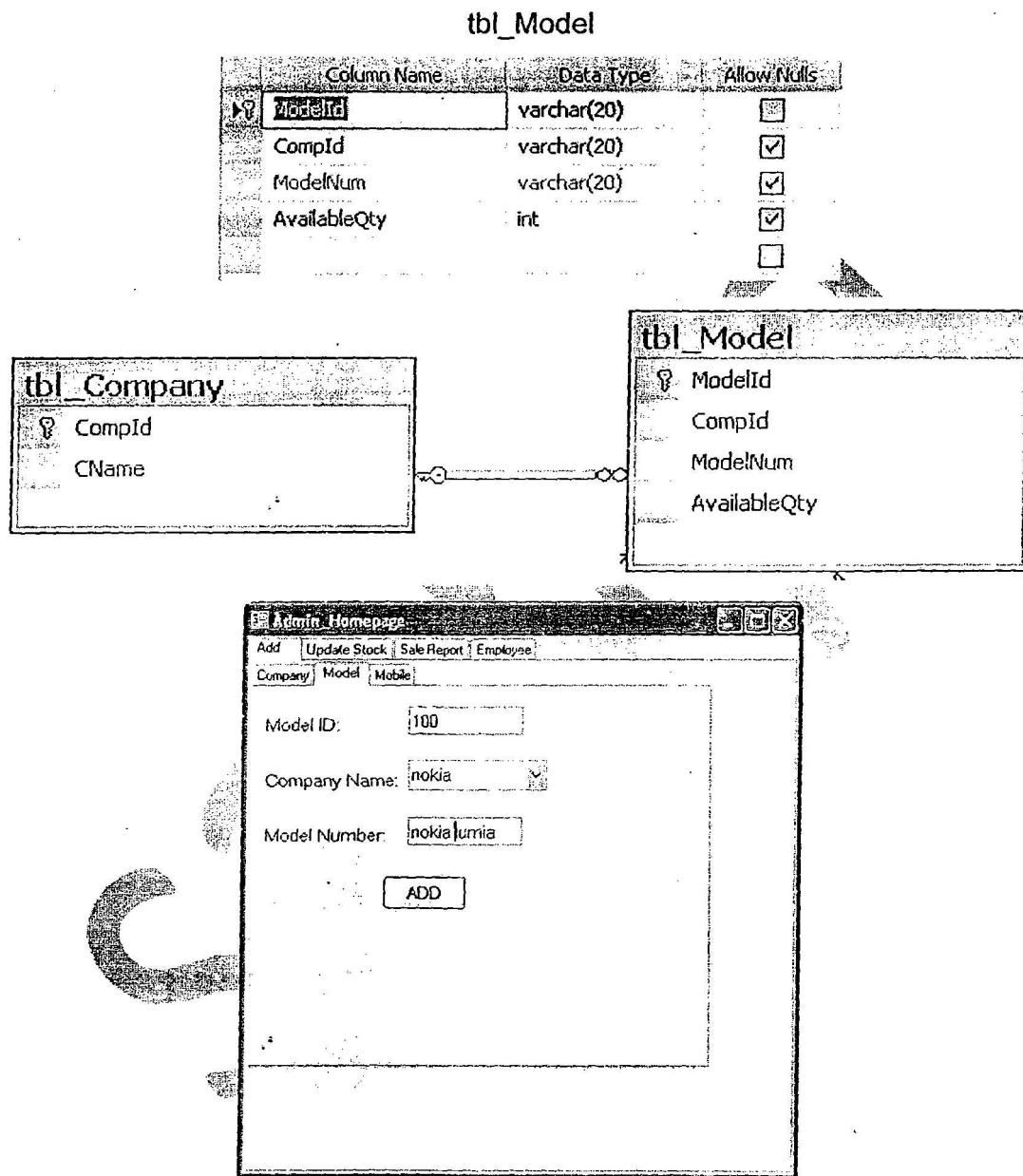
Company ID:

Company Name:

- Company ID should be generated automatically from the code and it should not be editable.
- When the user enters company name and click on add button it must store in to "tbl_Company" table in the database.

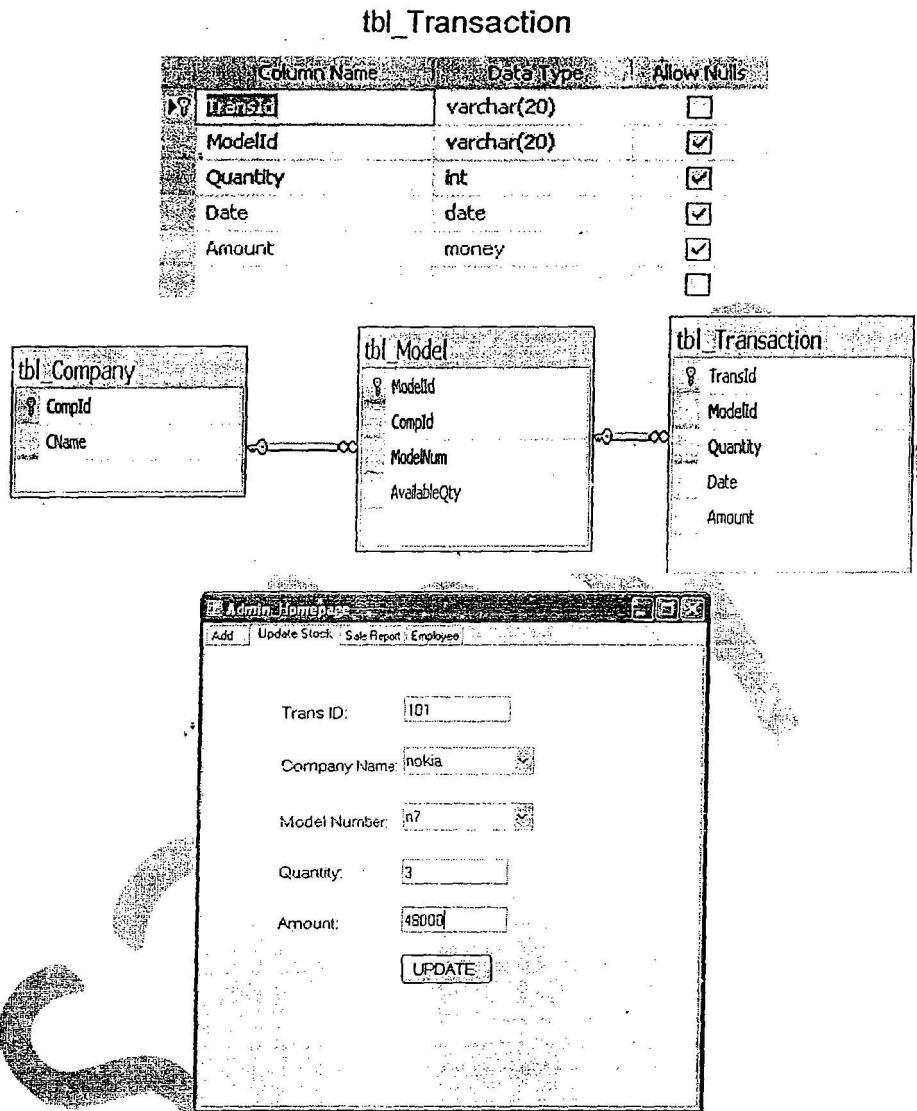
Add Model:

Create a table with name "tbl_Model" as show below.

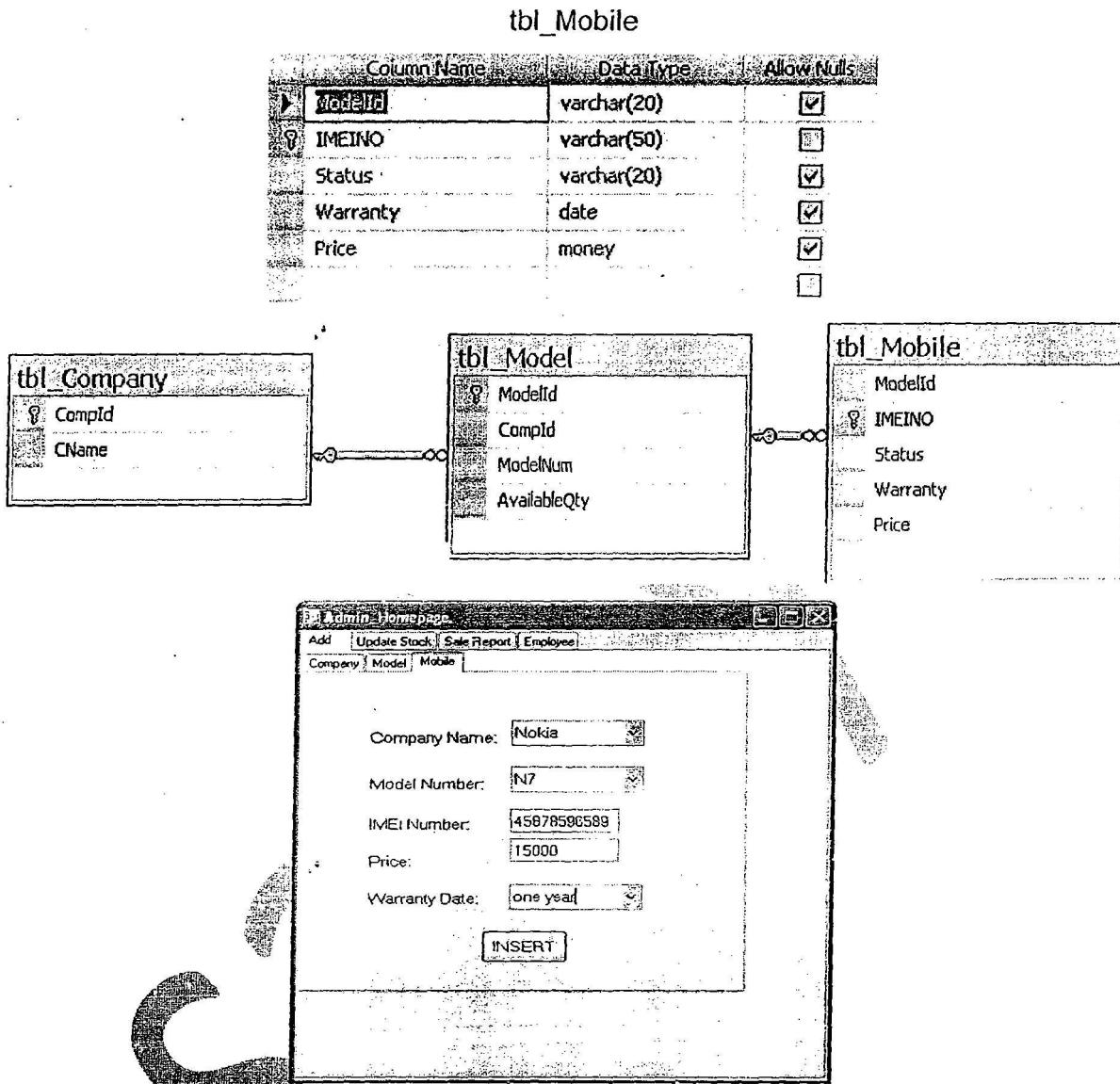


- Model Id should be generated automatically from the code and it should not be editable.
- Get the company names from "tbl_Company" table.
- When the user clicks on add button the model ID,company ID,model name should be stored in the "tbl_Model" table and quantity should be zero.

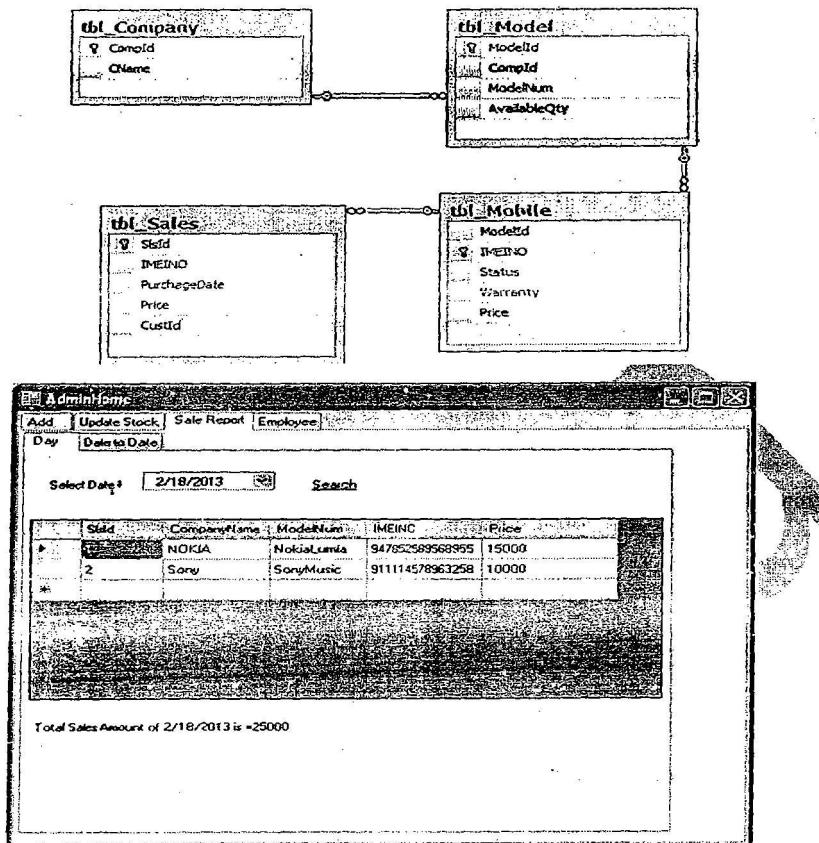
Update Stock:



- Trans ID should be generated automatically from the code and it should not be editable.
- Get the company names from "tbl_Company" table and bind in the company name combobox.
- When the user selects company names all the models of that company should be displayed in the model combo box from "tbl_Model" table.
- When the user clicks on update button all transaction details must be stored in "tbl_Transaction" table and 'quantity' must be updated in "tbl_Model" based on modelID.

AddMobile:

- Get the company name from “tbl_Company” table.
- When the user select company names all the models of that company should be displayed in the model combo box from “tbl_Model” table.
- When the user clicks on insert button modelID, model number, IMEI number, price, warranty date should be inserted in to the “tbl_Mobile” table. By default status must be “Not sold”.

Sales Report:

- > When user selects the date all sales details of that day should be displayed in the form from three tables displayed above.

Date to Date Report:

Admin Home
Add, Update Stock, Sale Report, Employee
Day, Date to Date
Starting Date: 2/18/2013
Ending Date: 3/3/2013 Search
Total Sales Amount between 2/18/2013 and 3/3/2013 is -30000

SId	CompanyName	ModelNum	IMEINO	Price
1	NOKIA	NokiaLumia	947852589568955	15000
2	Sony	SonyMusic	91111457893258	10000
3	LG	LGOptimus	94578457854512	5000

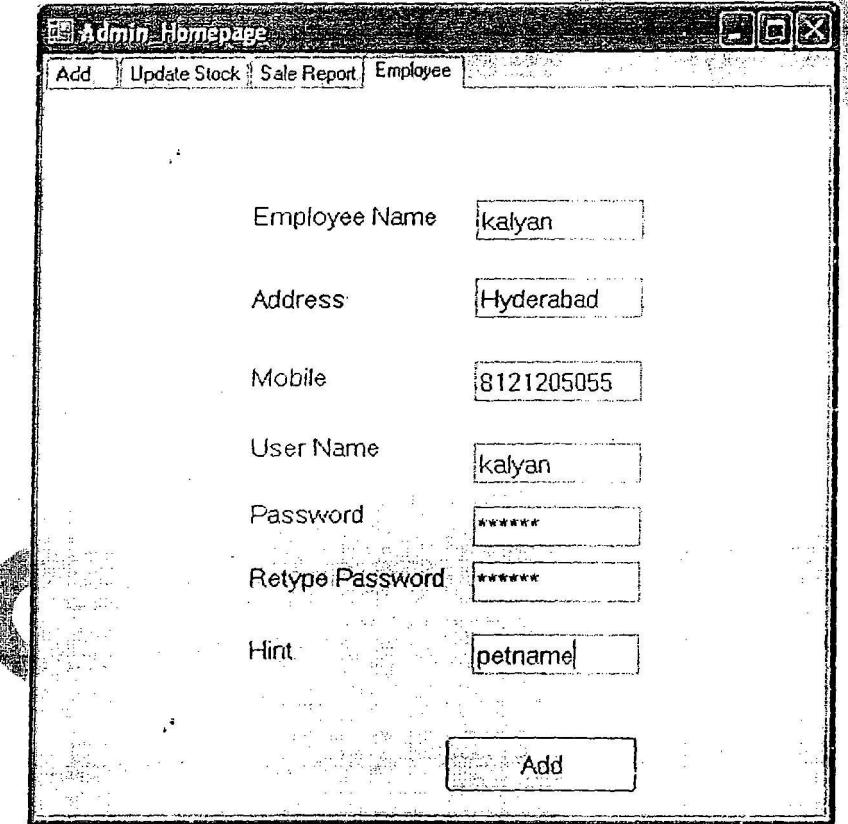
- > When user selects the start date and end date all sales details between these days should be displayed in the form from three tables displayed above.
- > The total sales amount of the selected dates should be displayed in the bottom of the grid view.

AddEmployee:

Create a table with name "tbl_user".

tbl_User

Column Name	Data Type	Allow Nulls
UserName	varchar(20)	<input type="checkbox"/>
PWD	varchar(20)	<input checked="" type="checkbox"/>
EmployeeName	varchar(20)	<input checked="" type="checkbox"/>
Address	varchar(MAX)	<input checked="" type="checkbox"/>
MobileNUmber	varchar(20)	<input checked="" type="checkbox"/>
Hint	varchar(50)	<input type="checkbox"/>



- When user clicks on add button all the details must be stored in "tbl_user" table.

AddEmployee:

Create a table with name "tbl_user".

tbl_User

Column Name	Data Type	Allow Nulls
UserName	varchar(20)	<input type="checkbox"/>
PWD	varchar(20)	<input checked="" type="checkbox"/>
EmployeeName	varchar(20)	<input checked="" type="checkbox"/>
Address	varchar(MAX)	<input checked="" type="checkbox"/>
MobileNumber	varchar(20)	<input checked="" type="checkbox"/>
Hint	varchar(50)	<input checked="" type="checkbox"/>

The screenshot shows a Windows application window titled "Admin Homepage". The window has a menu bar with "Add", "Update Stock", "Sale Report", and "Employee". Below the menu is a toolbar with icons for "New", "Open", "Save", and "Exit". The main area contains an "Add" form with the following fields:

- Employee Name: kalyan
- Address: Hyderabad
- Mobile: 8121205055
- User Name: kalyan
- Password: *****
- Retype Password: *****
- Hint: petname!

At the bottom right of the form is a large "Add" button.

- When user clicks on add button all the details must be stored in "tbl_user" table.

Home Form:

- Create a table with the name "tbl_User".

The image shows two windows side-by-side. The top window is a database table titled 'tbl_User' with columns: Column Name, Data Type, and Allow Nulls. The data is as follows:

Column Name	Data Type	Allow Nulls
UserName	varchar(20)	<input type="checkbox"/>
PWD	varchar(20)	<input checked="" type="checkbox"/>
EmployeeName	varchar(20)	<input checked="" type="checkbox"/>
Address	varchar(MAX)	<input checked="" type="checkbox"/>
MobileNumber	varchar(20)	<input checked="" type="checkbox"/>
Hint	varchar(50)	<input checked="" type="checkbox"/>

The bottom window is a 'Login' form with fields for 'User Name' (containing 'kalyan'), 'Password' (containing '*****'), and a 'Login' button.

- The user enter his credentials and clicks on Login button if it is valid redirect to UserHomePage.
- If it is invalid it will display one error message to user.

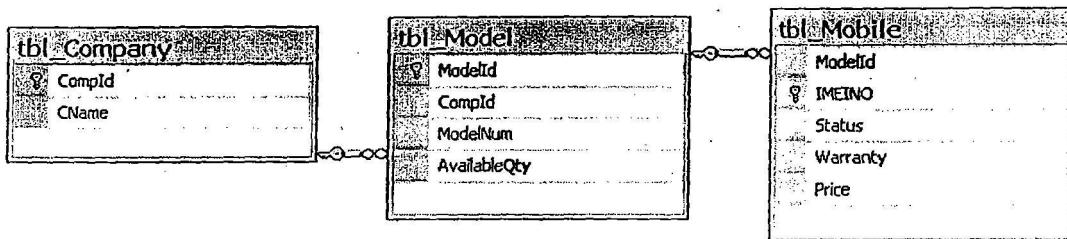
Forgot Password Form:

- The User clicks on Forget Password linkbutton, it should redirect to Forget Password Form.

The image shows a 'Forget' form with fields for 'UserName' (containing 'kalyan') and 'Hint' (containing '12345'). A 'Submit' button is present. Below the form, a message reads 'Your Password is: kalyan'. At the bottom right, there is a link labeled 'Login Page'.

- When the user enter the UserName and Hint, and clicks on the submit button.
- If the UserName and Hint is valid it should display the password in below label, Other wise it display one error message to user.
- Based on UserName and Hint it will get password from "tbl_User" table.

- Create a table with the name "tbl_Customer".



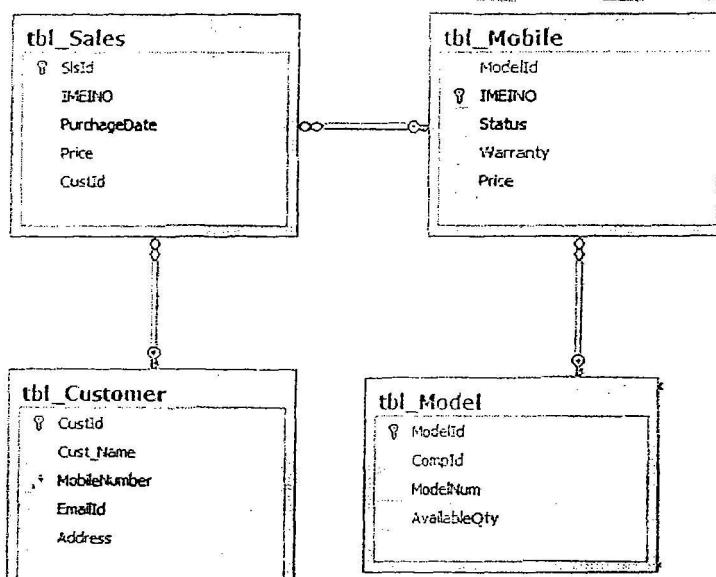
Customer Name	Kalyan
Mobile Number	9988556623
Address	Hyderabad
Email ID	kalyan@gmail.com
Company Name	NOKIA
Model Number	N7
IMEI Number	911114589657
Price/Piece	15000

Submit

- User enter the details into these fields, Here When the user select the company name in the combo box. The company related models automatically shown in below combo box(Model Number).
- Based on model number that related IMEI numbers also displayed in below (IMEI number)combo box.
- These two combo boxes are should read only.
- When user clicks on submit button it will redirect to conform details Form. and show all the details in labels as shown below.

Column Name	Data Type	Allow Nulls
SId	varchar(20)	<input type="checkbox"/>
Cust_Name	varchar(20)	<input checked="" type="checkbox"/>
MobileNumber	varchar(20)	<input checked="" type="checkbox"/>
EmailId	varchar(20)	<input checked="" type="checkbox"/>
Address	varchar(MAX)	<input checked="" type="checkbox"/>

Column Name	Data Type	Allow Nulls
SId	varchar(20)	<input type="checkbox"/>
IMEINO	varchar(50)	<input checked="" type="checkbox"/>
PurchaseDate	date	<input checked="" type="checkbox"/>
Price	money	<input checked="" type="checkbox"/>
CustId	varchar(20)	<input checked="" type="checkbox"/>

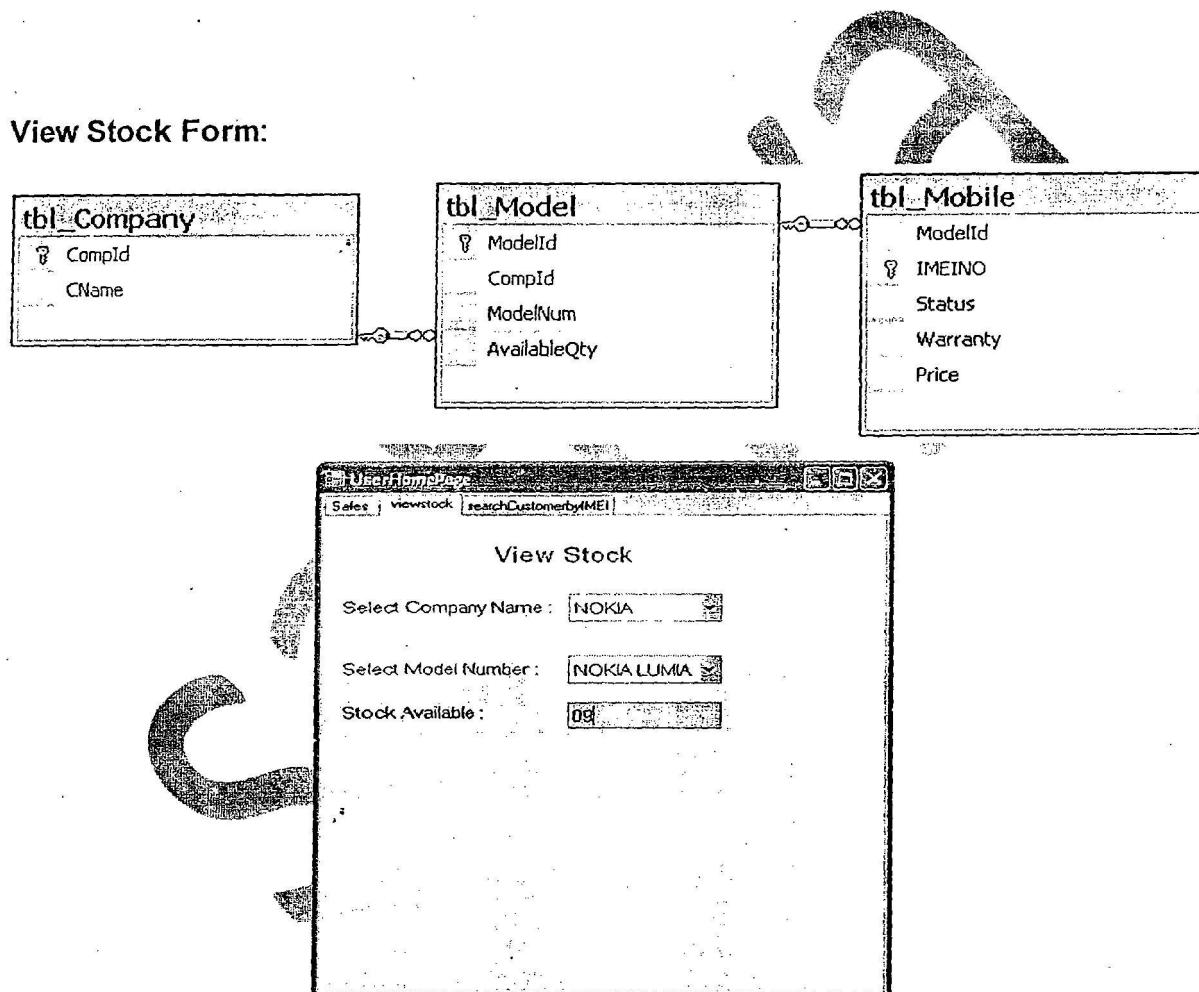


Conform Details

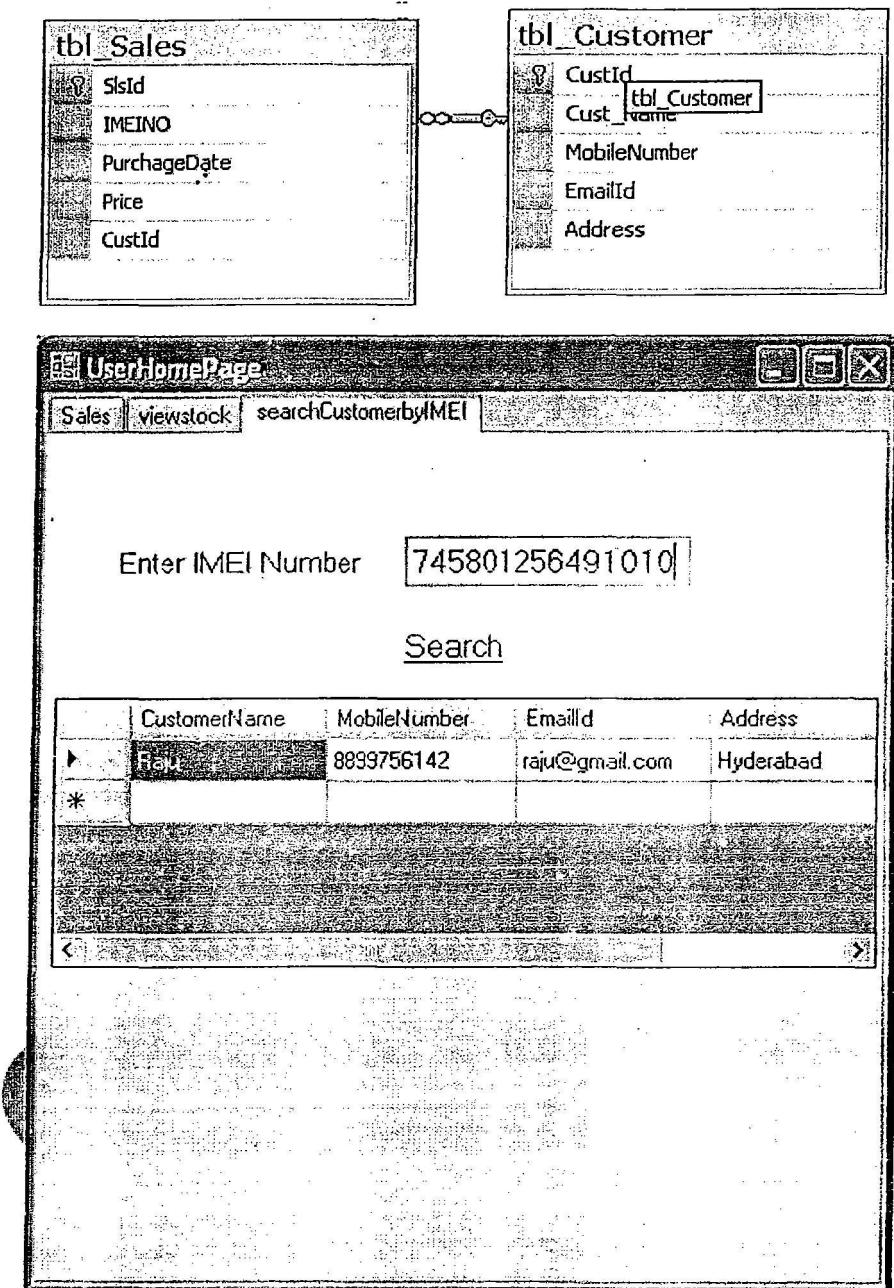
Customer Name:	Kalyan	Company Name:	NOKIA
Mobile Number:	9998556623	Model Number:	N7
Address:	Hyderabad	IMEI:	911114539657659
EmailId:	kalyan@gmail.com	Price:	145000
		Warranty:	05/04/2013
<input type="button" value="Cancel"/>		<input type="button" value="OK"/>	

- The sales id and customer id should be generated automatically.
- When the form is loaded based on IMEI number warranty should display
- Here the user clicks on Ok button the Customerid, CustomerName, MobileNumber, Address and EmailId should be stored/Inserted in "tbl_Customer" table and Salesid, IMEI Number, Price and customerid should be inserted into Sales Table
- Based on the IMEI number the status in the mobile table should be changed to "sold"
- The Available Quantity should be updated in model table based on ModelId.
- The user clicks on Cancel button it should not be stored into the database.

View Stock Form:



- In this Form User can View the Stock Availability.
- When the user select the company name in the combo box. The company related models automatically shown in below combo box.
- Based on the model number it will get the ModelId. Based on ModelId it will show Stock availability from tbl_Model table.
- Here the stock availability textbox should not editable.

Search Customer by IMEI Form:

- Here user can enter the IMEI number and click on submit button.
- If the IMEI number is valid, based on IMEI number it will get the data from "tbl_Sales" and "tbl_Customer" tables for the required fields in dataGridView.
- If the IMEI number is invalid it will display one error message to the User.

