



# SUPERMARKET MANAGEMENT SYSTEM

USING JAVA

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## CODES

<loginDesign.css>

```
.left-form{
    -fx-background-color:linear-gradient(to top
right,#64522c,#a8962b);
    -fx-border-color:#000;
    -fx-border-width:.4px 0px .4px .4px;
}

.right-form{
    -fx-background-color:#fff;
    -fx-border-color:#000;
    -fx-border-width:.4px .4px .4px 0px;
}

.text-field{
    -fx-background-color:linear-gradient(to bottom,#eee,#ddd);
    -fx-background-radius:8px;
    -fx-border-color:#000;
    -fx-border-width:0px 0px .8px .4px;
    -fx-font-family:"Tahoma";
    -fx-font-size:13px;
}

.text-field:focused{
    -fx-border-color:#efefef;
    -fx-border-width:0px 0px 1.8px .4px;
}

.login-btn{
    -fx-background-color:linear-gradient(to bottom,#2365a7,#213c57);
    -fx-background-radius:8px;
```

```

    -fx-cursor:hand;
    -fx-text-fill:#fff;
    -fx-font-family:"Arial";
    -fx-font-size:14px;
}

.login-btn:hover{
    -fx-background-color: linear-gradient(to
bottom,#3d85cc,#295986);
}

.close{
    -fx-background-color:transparent;
    -fx-cursor:hand;
}

.close:hover{
    -fx-background-color:#dd2f4f;
}

.hyperlink{
    -fx-border-color:transparent;
    -fx-font-family:"Tahoma";
    -fx-font-size:14px;
    -fx-text-fill:#369eda;
}

.hyperlink:hover{
    -fx-text-fill:#000;
}

```

<DashBoardDesign.css>

```

.top-form{
    -fx-background-color:#fff;

```

```

        -fx-border-color:#000;
        -fx-border-width:.4px .4px .2px .2px;
    }

    .close{

        -fx-background-color:transparent;
    }

    .close:hover{
        -fx-background-color:#dd2f4f;
    }

    .minimize{
        -fx-background-color:transparent;
        -fx-cursor:hand;
    }

    .minimize:hover{
        -fx-background-color:#ddd;
    }

    .semi-top-form{
        -fx-background-color:#efefef;
        -fx-border-color:#000;
        -fx-border-width:.2px .4px .8px .4px;
    }

    .nav-form{
        -fx-background-color:linear-gradient(to top
right,#64522c,#a8962b);
    }

    .nav-btn{
        -fx-background-color:transparent;
        -fx-cursor:hand;
        -fx-font-family:"Arial";
        -fx-text-fill:#fff;
        -fx-font-size:14px;
        -fx-alignment:CENTER-LEFT;
    }

```

```

.logout-btn{
    -fx-background-color:#b58d38;
    -fx-cursor:hand;
}

.logout-btn:hover{
    -fx-background-color:#d6a135;
}

.white-bg{

    -fx-background-color:#fff;
    -fx-background-radius:8px;
}

.shadow{
    -fx-effect:dropshadow(three-pass-box,rgba(0,0,0,0.4),5,0,0,0);
}

.card1{
    -fx-background-color:linear-gradient(to right,#2e4d6e,#276a99);
    -fx-background-radius:5px;
}

.card2{
    -fx-background-color:linear-gradient(to right,#542c63,#8825a1);
    -fx-background-radius:5px;
}

.card3{
    -fx-background-color:linear-gradient(to right,#752131,#ae243f);
    -fx-background-radius:5px;
}

.text-field{
    -fx-background-color:transparent;
    -fx-border-color:linear-gradient(to top,#64522c,#a8962b);
    -fx-border-width:0px 0px 1px 0px;
    -fx-font-family:"Tahoma";
    -fx-font-size:13px;
}

```

```

.text-field:focus{

    -fx-border-width:0px 0px 2px 0px;
}

.combobox{
    -fx-background-color:transparent;
    -fx-border-color:linear-gradient(to top right,#64522c,#a8962b);
    -fx-border-width:1px;
    -fx-font-family:"Tahoma";
    -fx-font-size:13px;
}

.combobox:focus{

    -fx-border-width:2px;
}

.add-btn{
    -fx-background-color:#275578;
    -fx-background-radius:8px;
    -fx-cursor:hand;
    -fx-text-fill:#fff;
    -fx-font-family:"Arial";
    -fx-font-size:14px;
}

.add-btn:hover{
    -fx-background-color:#2975ab;
}

.update-btn{
    -fx-background-color:#277737;
    -fx-background-radius:8px;
    -fx-cursor:hand;
    -fx-text-fill:#fff;
    -fx-font-family:"Arial";
    -fx-font-size:14px;
}

```

```

}

.update-btn:hover{
    -fx-background-color:#30ab67;
}

.delete-btn{
    -fx-background-color:#822730;
    -fx-background-radius:8px;
    -fx-cursor:hand;
    -fx-text-fill:#fff;
    -fx-font-family:"Arial";
    -fx-font-size:14px;
}

.delete-btn:hover{
    -fx-background-color:#b52a38;
}

.clear-btn{
    -fx-background-color:#7c3186;
    -fx-background-radius:8px;
    -fx-cursor:hand;
    -fx-text-fill:#fff;
    -fx-font-family:"Arial";
    -fx-font-size:14px;
}

.clear-btn:hover{
    -fx-background-color:#9328a4;
}

.search{
    -fx-background-color:transparent;
    -fx-border-color:linear-gradient(to top
right,#64522c,#a8962b));;
    -fx-border-width:1px;
    -fx-border-radius:5px;
    -fx-padding:0px 0px 0px 28px;
}

```

```

        -fx-font-family:"Tahoma";
        -fx-font-size:14px;
    }

    .search:focus{
        -fx-border-width:2px;
    }

    .table-view{
        -fx-background-color:transparent;
        -fx-border-color:linear-gradient(to top
right,#64522c,#a8962b));
        -fx-border-width:2px;
        -fx-border-radius:5px;
    }

    .table-view.table-column{
        -fx-alignment:CENTER;
    }

    .table-view.column-header-background{

        -fx-background-color:linear-gradient(to top
right,#64522c,#a8962b));
        -fx-background-insets:0 0 0 0;
    }
    .table-view.column-header, .filter{
        -fx-background-color:transparent;
        -fx-size:50px;
    }
    .table-view.column-header .label{
        -fx-text-fill:#ffff;
    }

```

## 2.DATABASE CONNECTIVITY

// DATA BASE CONNECTIVITY CODE



<db.java>

```
package application;
import java.sql.*;

public class database {

    public static Connection connectDb()
    {
        try{

            Connection connect = null;
//            String driver = "oracle.jdbc.driver.OracleDriver";
            String jdbc_url = "jdbc:oracle:thin:@localhost:1521:xe";
            String user = "system";
            String pwd = "2003";
//            Class.forName(driver);
            connect = DriverManager.getConnection(jdbc_url,user,pwd);

            if(connect!=null)
            {
                return connect;
            }
            else
                System.out.println("Connection Failed");

        }
        catch(Exception e)
        {e.printStackTrace();}
        return null;
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub

    }

}
```

<admindashboard.fxml>

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<?import de.jensd.fx.glyphs.fontawesome.FontAwesomeIconView?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.StackPane?>
<?import javafx.scene.shape.Line?>
<?import javafx.scene.text.Font?>

<StackPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity" prefHeight="600.0" prefWidth="1100.0"
xmlns="http://javafx.com/javafx/21"
xmlns:fx="http://javafx.com/fxml/1">
    <children>
        <AnchorPane layoutX="10.0" layoutY="10.0" prefHeight="200.0"
prefWidth="200.0">
            <children>
                <AnchorPane layoutX="-8.0" prefHeight="601.0"
prefWidth="299.0" styleClass="left-form"
stylesheets="@application.css">
                    <children>
                        <FontAwesomeIconView glyphName="USER"
glyphStyle="USER" layoutX="103.0" layoutY="190.0" size="12em" />
                        <Label layoutX="118.0" layoutY="212.0"
text="Welcome,">
                            <font>
                                <Font size="17.0" />
                            </font>
                        </Label>
                        <Label layoutX="112.0" layoutY="238.0"
stylesheets="@application.css" text="Manager" textFill="WHITE">
                            <font>
                                <Font name="System Bold" size="20.0" />
                            </font>
                        </Label>
                        <Line endX="100.0" layoutX="161.0" layoutY="302.0"
startX="-100.0" strokeWidth="3.0" />
                        <Label layoutX="60.0" layoutY="358.0"
text="Dashboard" textFill="WHITE">
                            <font>
                                <Font size="14.0" />
                            </font>
                        </Label>
                    </children>
                </AnchorPane>
            </children>
        </AnchorPane>
    </children>
</StackPane>

```

```

        <Label layoutX="59.0" layoutY="395.0" text="Add
Products " textFill="WHITE">
        <font>
            <Font size="14.0" />
        </font>
    </Label>
    <Label layoutX="61.0" layoutY="433.0"
text="Employees" textFill="WHITE">
        <font>
            <Font size="14.0" />
        </font>
    </Label>
    <FontAwesomeIconView glyphName="SIGN_OUT"
layoutX="23.0" layoutY="564.0" size="4em" />
    <Label layoutX="71.0" layoutY="534.0" text="Sign
Out" textFill="#bcc03c">
        <font>
            <Font size="17.0" />
        </font>
    </Label>
    <FontAwesomeIconView glyphName="DASHBOARD"
layoutX="23.0" layoutY="376.0" size="2em" />
    <FontAwesomeIconView glyphName="GROUP"
glyphStyle="ADDITION" layoutX="22.0" layoutY="451.0" size="2em" />
    <FontAwesomeIconView layoutX="26.0"
layoutY="411.0" size="1.5em" />
    </children>
</AnchorPane>
<AnchorPane layoutX="292.0" layoutY="3.0"
prefHeight="211.0" prefWidth="804.0">
    <children>
        <AnchorPane layoutX="48.0" layoutY="10.0"
prefHeight="192.0" prefWidth="313.0" styleClass="login-btn"
stylesheets="@application.css">
            <children>
                <Label layoutX="157.0" layoutY="144.0"
text="Active Employees" textFill="WHITE">
                    <font>
                        <Font size="15.0" />
                    </font>
                </Label>

```

```

        <FontAwesomeIconView fill="WHITE"
glyphName="GROUP" glyphStyle="ADDITION" layoutX="38.0"
layoutY="157.0" size="5em" wrappingWidth="25.71428489685053" />
    </children>
</AnchorPane>
    <AnchorPane layoutX="432.0" layoutY="10.0"
prefHeight="192.0" prefWidth="313.0" styleClass="login-btn"
stylesheets="@application.css">
    <children>
        <Label layoutX="242.0" layoutY="143.0"
text="Sales" textFill="WHITE">
            <font>
                <Font size="17.0" />
            </font>
        </Label>
        <FontAwesomeIconView fill="WHITE"
glyphName="MONEY" layoutX="44.0" layoutY="164.0" size="5em"
wrappingWidth="88.0" />
    </children>
</AnchorPane>
</children>
</AnchorPane>
</children>
</StackPane>

```

<employeeedashboard.fxml>

```

<?xml version="1.0" encoding="UTF-8"?>

<?import de.jensd.fx.glyphs.fontawesome.FontAwesomeIconView?>
<?import javafx.scene.chart.AreaChart?>
<?import javafx.scene.chart.CategoryAxis?>
<?import javafx.scene.chart.NumberAxis?>
<?import javafx.scene.control.Button?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.StackPane?>
<?import javafx.scene.shape.Line?>
<?import javafx.scene.text.Font?>

```

```

<StackPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity" prefHeight="600.0" prefWidth="1100.0"
xmlns="http://javafx.com/javafx/21"
xmlns:fx="http://javafx.com/fxml/1">
    <children>
        <AnchorPane prefHeight="200.0" prefWidth="200.0">
            <children>
                <AnchorPane layoutX="-8.0" prefHeight="601.0"
prefWidth="299.0" styleClass="left-form"
stylesheets="@application.css">
                    <children>
                        <FontAwesomeIconView glyphName="USER"
glyphStyle="USER" layoutX="103.0" layoutY="190.0" size="12em" />
                        <Label layoutX="118.0" layoutY="212.0"
text="Welcome,">
                            <font>
                                <Font size="17.0" />
                            </font>
                        </Label>
                        <Label layoutX="112.0" layoutY="238.0"
stylesheets="@application.css" text="Employee" textFill="WHITE">
                            <font>
                                <Font name="System Bold" size="20.0" />
                            </font>
                        </Label>
                        <Line endX="100.0" layoutX="161.0" layoutY="302.0"
startX="-100.0" strokeWidth="3.0" />
                        <Label layoutX="60.0" layoutY="358.0"
text="Employee Rating" textFill="WHITE">
                            <font>
                                <Font size="14.0" />
                            </font>
                        </Label>
                        <Label layoutX="59.0" layoutY="395.0"
text="Monthly Sales" textFill="WHITE">
                            <font>
                                <Font size="14.0" />
                            </font>
                        </Label>
                        <Label layoutX="61.0" layoutY="433.0"
text="Department" textFill="WHITE">

```

```

        <font>
            <Font size="14.0" />
        </font>
    </Label>
    <FontAwesomeIconView glyphName="SIGN_OUT"
layoutX="23.0" layoutY="564.0" size="4em" />
    <Label layoutX="71.0" layoutY="534.0" text="Sign
Out" textFill="#bcc03c">
        <font>
            <Font size="17.0" />
        </font>
    </Label>
    <FontAwesomeIconView glyphName="DASHBOARD"
layoutX="23.0" layoutY="376.0" size="2em" />
    <FontAwesomeIconView glyphName="GROUP"
glyphStyle="ADDITION" layoutX="22.0" layoutY="451.0" size="2em" />
    <FontAwesomeIconView layoutX="26.0"
layoutY="411.0" size="1.5em" />
</children>
</AnchorPane>
<AnchorPane layoutX="292.0" layoutY="3.0"
prefHeight="211.0" prefWidth="804.0">
    <children>
        <AnchorPane layoutX="48.0" layoutY="10.0"
prefHeight="192.0" prefWidth="313.0" styleClass="login-btn"
stylesheets="@application.css">
            <children>
                <Label layoutX="157.0" layoutY="144.0"
text="Achievements" textFill="WHITE">
                    <font>
                        <Font size="15.0" />
                    </font>
                </Label>
                <FontAwesomeIconView fill="WHITE"
glyphName="GROUP" glyphStyle="ADDITION" layoutX="38.0"
layoutY="157.0" size="5em" wrappingWidth="25.71428489685053" />
            </children>
        </AnchorPane>
        <AnchorPane layoutX="432.0" layoutY="10.0"
prefHeight="192.0" prefWidth="313.0" styleClass="login-btn"
stylesheets="@application.css">
            <children>

```

```

                <Label layoutX="242.0" layoutY="143.0"
text="Salary" textFill="WHITE">
                    <font>
                        <Font size="17.0" />
                    </font>
                </Label>
                <FontAwesomeIconView fill="WHITE"
glyphName="MONEY" layoutX="44.0" layoutY="164.0" size="5em"
wrappingWidth="88.0" />
            </children>
        </AnchorPane>
    </children>
</AnchorPane>
<AreaChart layoutX="334.0" layoutY="278.0"
prefHeight="295.0" prefWidth="449.0" title="Month-Wise Performance">
    <xAxis>
        <CategoryAxis side="BOTTOM" />
    </xAxis>
    <yAxis>
        <NumberAxis side="LEFT" />
    </yAxis>
</AreaChart>
    <FontAwesomeIconView glyphName="CHART-LINE"
glyphStyle="GRAPH" layoutX="890.0" layoutY="541.0" size="2em" />
    <Button layoutX="927.0" layoutY="516.0"
mnemonicParsing="false" text="View Performance">
        <font>
            <Font name="System Bold" size="15.0" />
        </font>
    </Button>
</children>
</AnchorPane>
</children>
</StackPane>

```

<super.fxml>

```

<?xml version="1.0" encoding="UTF-8"?>

<?import com.gluonhq.charm.glisten.control.TextField?>
<?import de.jensd.fx.glyphs.fontawesome.FontAwesomeIconView?>

```

```

<?import javafx.scene.control.Button?>
<?import javafx.scene.control.Hyperlink?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.control.PasswordField?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.StackPane?>
<?import javafx.scene.text.Font?>

<fx:root maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity" prefHeight="500.0" prefWidth="600.0" type="StackPane" xmlns="http://javafx.com/javafx/21" xmlns:fx="http://javafx.com/fxml/1" fx:controller="application.SampleController">
    <children>
        <AnchorPane fx:id="Main_form" prefHeight="200.0" prefWidth="200.0">
            <children>
                <AnchorPane fx:id="admin_form" layoutX="272.0" prefHeight="500.0" prefWidth="359.0" styleClass="right-form" stylesheets="@application.css" AnchorPane.bottomAnchor="0.0" AnchorPane.rightAnchor="-1.0" AnchorPane.topAnchor="0.0">
                    <children>
                        <FontAwesomeIconView glyphName="USER" layoutX="147.0" layoutY="126.0" selectionEnd="1" size="7em" />
                        <Label layoutX="96.0" layoutY="138.0" text="Admin Sign In" textFill="#64522c">
                            <font>
                                <Font name="Berlin Sans FB" size="25.0" />
                            </font>
                        </Label>
                        <TextField fx:id="admin_username" layoutX="75.0" layoutY="229.0" prefHeight="30.0" prefWidth="200.0" promptText="Username" />
                        <PasswordField fx:id="admin_password" layoutX="75.0" layoutY="269.0" onAction="#adminLogin" prefHeight="30.0" prefWidth="200.0" promptText="Password" />
                        <Button fx:id="admin_loginBtn" layoutX="144.0" layoutY="323.0" mnemonicParsing="false" onAction="#adminLogin" styleClass="login-btn" stylesheets="@application.css" text="Login" />
                    </children>
                </AnchorPane>
            </children>
        </AnchorPane>
    </children>
</fx:root>

```



```

        <Hyperlink fx:id="admin_hyperlink" layoutX="95.0"
layoutY="418.0" onAction="#switchForm"
stylesheets="@application.css" text="Login employee account?" />
        <Button layoutX="275.0" layoutY="14.0"
mnemonicParsing="false" onAction="#close" styleClass="close"
stylesheets="@application.css" AnchorPane.rightAnchor="2.0"
AnchorPane.topAnchor="2.0">
            <graphic>
                <FontAwesomeIconView glyphName="CLOSE"
size="1.2em" />
            </graphic>
        </Button>
    </children>
</AnchorPane>
<AnchorPane prefHeight="500.0" prefWidth="241.0"
styleClass="left-form" stylesheets="@application.css"
AnchorPane.bottomAnchor="0.0" AnchorPane.leftAnchor="0.0"
AnchorPane.topAnchor="0.0">
    <children>
        <FontAwesomeIconView glyphName="SHOPPING_CART"
layoutX="86.0" layoutY="214.0" size="8em"
wrappingWidth="90.66666666666674" />
        <Label layoutX="90.0" layoutY="229.0" text="All
Mart" textFill="#fbf7f7">
            <font>
                <Font name="Tahoma Bold" size="23.0" />
            </font>
        </Label>
        <Button fx:id="billBtn" layoutX="79.0"
layoutY="320.0" mnemonicParsing="false" onAction="#bill"
styleClass="login-btn" stylesheets="@application.css" text="Press
for Billling" />
    </children>
</AnchorPane>
<AnchorPane fx:id="employee_form" layoutX="269.0"
layoutY="10.0" prefHeight="500.0" prefWidth="359.0"
styleClass="right-form" stylesheets="@application.css"
visible="false" AnchorPane.bottomAnchor="0.0"
AnchorPane.rightAnchor="0.0" AnchorPane.topAnchor="0.0">
    <children>
        <FontAwesomeIconView glyphName="USER"
layoutX="138.0" layoutY="126.0" selectionEnd="1" size="7em" />
    </children>
</AnchorPane>

```

```

        <Label layoutX="89.0" layoutY="138.0"
text="Employee Sign In" textFill="#64522c">
            <font>
                <Font name="Berlin Sans FB" size="25.0" />
            </font>
        </Label>
        <TextField fx:id="employee_id" layoutX="75.0"
layoutY="229.0" prefHeight="30.0" prefWidth="200.0"
promptText="Employee ID" />
        <PasswordField fx:id="employee_password"
layoutX="75.0" layoutY="269.0" onAction="#employeeLogin"
prefHeight="30.0" prefWidth="200.0" promptText="Password" />
        <Button fx:id="employee_loginBtn" layoutX="144.0"
layoutY="323.0" mnemonicParsing="false" onAction="#employeeLogin"
styleClass="login-btn" stylesheets="@application.css" text="Login"
/>
        <Hyperlink fx:id="employee_hyperlink"
layoutX="95.0" layoutY="418.0" onAction="#switchForm"
stylesheets="@application.css" text="Login Admin account?" />
        <Button layoutX="275.0" layoutY="14.0"
mnemonicParsing="false" styleClass="close"
stylesheets="@application.css" AnchorPane.rightAnchor="2.0"
AnchorPane.topAnchor="2.0">
            <graphic>
                <FontAwesomeIconView glyphName="CLOSE"
size="1.2em" />
            </graphic>
        </Button>
    </children>
</AnchorPane>
</children>
</AnchorPane>
</children>
</fx:root>

```

<billing.fxml>

```

<?xml version="1.0" encoding="UTF-8"?>

<?import de.jensd.fx.glyphs.fontawesome.FontAwesomeIconView?>
<?import javafx.scene.control.Button?>

```

```

<?import javafx.scene.control.Label?>
<?import javafx.scene.control.TextField?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.StackPane?>
<?import javafx.scene.text.Font?>

<StackPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity" prefHeight="500.0" prefWidth="700.0"
xmlns="http://javafx.com/javafx/21"
xmlns:fx="http://javafx.com/fxml/1">
    <children>
        <AnchorPane fx:id="bill_main" prefHeight="500.0"
prefWidth="439.0">
            <children>
                <Label layoutX="61.0" layoutY="31.0" text="All Mart
Billing System">
                    <font>
                        <Font name="Arial Black" size="25.0" />
                    </font>
                </Label>
                <Label layoutX="32.0" layoutY="167.0" text="Item Name
:">
                    <font>
                        <Font size="15.0" />
                    </font>
                </Label>
                <Label layoutX="33.0" layoutY="214.0" text="Price :">
                    <font>
                        <Font size="15.0" />
                    </font>
                </Label>
                <Label layoutX="34.0" layoutY="260.0" text="Quantity :">
                    <font>
                        <Font size="15.0" />
                    </font>
                </Label>
                <TextField fx:id="item_name" layoutX="160.0"
layoutY="165.0" />
                <TextField fx:id="price" layoutX="160.0" layoutY="212.0"
/>
            </children>
        </AnchorPane>
    </children>
</StackPane>

```

```

        <TextField fx:id="qty" layoutX="160.0" layoutY="258.0"
/>
        <Button fx:id="add_btn" layoutX="46.0" layoutY="340.0"
mnemonicParsing="false" text="ADD" />
        <Button fx:id="print_btn" layoutX="281.0"
layoutY="340.0" mnemonicParsing="false" text="Print" />
        <Label layoutX="29.0" layoutY="120.0" text="Customer
Name : ">
            <font>
                <Font size="15.0" />
            </font>
        </Label>
        <TextField fx:id="customer_name" layoutX="160.0"
layoutY="118.0" />
        <FontAwesomeIconView glyphName="SHOPPING_CART"
glyphStyle="SHOPPING_CART" layoutX="484.0" layoutY="263.0"
size="12em" />
    </children>
</AnchorPane>
</children>
</StackPane>

```

<main.java>

```

package application;

import javafx.application.Application;
import javafx.stage.Stage;
import javafx.stage.StageStyle;
import javafx.scene.Scene;
import javafx.scene.layout.StackPane;
import javafx.fxml.FXMLLoader;
import javafx.scene.input.MouseEvent;

public class Main extends Application {

    private double x=0;
    private double y=0;
    @Override
    public void start(Stage stage) {

```

```

        try {
            FXMLLoader loader = new
FXMLLoader(getClass().getResource("super_fxml.fxml"));
            StackPane root = new StackPane();
            loader.setRoot(root);
            loader.load();
            Scene scene = new Scene(root,600,500);
            scene.getStylesheets().add(getClass().getResource("appli
cation.css").toExternalForm());

            root.setOnMousePressed((MouseEvent event) -> {
                x = event.getSceneX();
                y = event.getSceneY();
            });

            root.setOnMouseDragged((MouseEvent event) ->{
                stage.setX(event.getScreenX() - x);
                stage.setY(event.getScreenY() - y);
                stage.setOpacity(.8);
            });

            root.setOnMouseReleased((MouseEvent event) ->{
                stage.setOpacity(1);
            });

            stage.initStyle(StageStyle.TRANSPARENT);
            stage.setScene(scene);
            stage.show();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    public static void main(String[] args) {
        launch(args);
    }
}

```

<samplecontroller.java>

```
package application;

import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;

import com.gluonhq.charm.glisten.control.TextField;

import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.FXMLLoader;
import javafx.scene.Parent;
import javafx.scene.Scene;
import javafx.scene.control.Alert;
import javafx.scene.control.Alert.AlertType;
import javafx.scene.control.Button;
import javafx.scene.control.Hyperlink;
import javafx.scene.control.PasswordField;
import javafx.scene.layout.AnchorPane;
import javafx.stage.Stage;

public class SampleController<customer_name, item_name, price, qty>
{

    @FXML
    private AnchorPane Main_form;

    @FXML
    private AnchorPane admin_form;

    @FXML
    private Hyperlink admin_hyperlink;

    @FXML
    private Button admin_loginBtn;

    @FXML
    private PasswordField admin_password;
```

```
@FXML
private TextField admin_username;

@FXML
private AnchorPane employee_form;

@FXML
private Button add_btn;

@FXML
private AnchorPane bill_main;

@FXML
private TextField customer_name;

@FXML
private TextField item_name;

@FXML
private TextField price;

@FXML
private Button print_btn;

@FXML
private TextField qty;

@FXML
private TextField employee_id;

@FXML
private Button employee_loginBtn;

@FXML
private PasswordField employee_password;

@FXML
private Button billBtn;

@FXML
private Hyperlink employee_hyperlink;
```

```

private Connection connect;
private PreparedStatement prepare;
private ResultSet result;

public void employeeLogin()
{
    String employeeData = "SELECT * FROM employee WHERE
employee_id=? and password=?";
    connect = database.connectDb();

    try{

        Alert alert;
        prepare = connect.prepareStatement(employeeData);
        if(employee_id.getText().isEmpty() ||
employee_password.getText().isEmpty())
        {
            alert = new Alert(AlertType.ERROR);
            alert.setTitle("Error Message");
            alert.setHeaderText(null);
            alert.setContentText("Please fill all blank fields");
            alert.showAndWait();
        }
        else
        {
            prepare.setString(1,employee_id.getText());
            prepare.setString(2,employee_password.getText());
            result = prepare.executeQuery();

            if(result.next())
            {
                //Lets create dashboard form for employee

                // Hide login form

                alert = new Alert(AlertType.INFORMATION);
                alert.setTitle("Information Message");
                alert.setHeaderText(null);
                alert.setContentText("Successfully Login!");
                alert.showAndWait();
            }
        }
    }
}

```



```

        employee_loginBtn.getScene().getWindow().hide();

        // Now lets create for employee form
        Parent root =
FXMLLoader.load(getClass().getResource("employeeDashboard.fxml"));

        Stage stage = new Stage();
        Scene scene = new Scene(root);

        stage.setScene(scene);
        stage.show();
    }
    else
    {
        alert = new Alert(AlertType.ERROR);
        alert.setTitle("Error Message");
        alert.setHeaderText(null);
        alert.setContentText("Wrong EmployeeID/Password");
        alert.showAndWait();
    }

}
}

catch(Exception e){e.printStackTrace();}}

public void adminLogin(){

    String adminData = "Select * From admin WHERE username=? and
password=?";
    connect = database.connectDb();

    try{

        Alert alert;
        // Check if the textfields are empty or not

        if(admin_username.getText().isEmpty() ||
admin_password.getText().isEmpty())
        {
            alert = new Alert(AlertType.ERROR);

```

```

        alert.setTitle("Error Message");
        alert.setHeaderText(null);
        alert.setContentText("Please fill all blank fields");
        alert.showAndWait();
    }
else
    {
        prepare = connect.prepareStatement(adminData);
        prepare.setString(1,admin_username.getText());
        prepare.setString(2,admin_password.getText());
        result = prepare.executeQuery();

        if(result.next())
        {
            // Then lets proceed to dashboard form .Lets create
            dashboard form for admin

            // Hide login form

            alert = new Alert(AlertType.INFORMATION);
            alert.setTitle("Information Message");
            alert.setHeaderText(null);
            alert.setContentText("Successfully Login!");
            alert.showAndWait();

            // Lets try now but first we need to insert the data
            first

            admin_loginBtn.getScene().getWindow().hide();

            // Now lets create for employee form
            Parent root =
FXMLLoader.load(getClass().getResource("adminDashboard.fxml"));

            Stage stage = new Stage();
            Scene scene = new Scene(root);

            stage.setScene(scene);
            stage.show();
        }
        else
        {

```

```

        // If wrong data you gave then error
message
        alert = new Alert(AlertType.ERROR);
        alert.setTitle("Error Message");
        alert.setHeaderText(null);
        alert.setContentText("Wrong Username/Password");
        alert.showAndWait();
    }

}
} catch (Exception e) { e.printStackTrace(); }
public void switchForm(ActionEvent event)
{
    if(event.getSource()==admin_hyperlink){
        admin_form.setVisible(false);
        employee_form.setVisible(true);
    } else if(event.getSource() == employee_hyperlink){
        admin_form.setVisible(true);
        employee_form.setVisible(false);
    }
}

public void bill(ActionEvent event)
{
    try {
        Parent root =
FXMLLoader.load(getClass().getResource("billing.fxml"));
        Stage stage = new Stage();
        Scene scene = new Scene(root);

        stage.setScene(scene);
        stage.show();
    } catch (IOException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}

public void addProduct()
{

```

```

        String addProd = "insert into
product(cust_name,item_name,price,qty) values(?,?,?,?)";
        connect = database.connectDb();

        try{

            Alert alert;

            prepare = connect.prepareStatement(addProd);

            prepare.setString(1,customer_name.getText());
            prepare.setString(2,item_name.getText());
            prepare.setString(3,price.getText());
            prepare.setString(4,qty.getText());
result = prepare.executeQuery();

            if(result.next())
            {

                alert = new Alert(AlertType.INFORMATION);
                alert.setTitle("Information Message");
                alert.setHeaderText(null);
                alert.setContentText("Successfully Added!");
                alert.showAndWait();

                add_btn.getScene().getWindow().hide();

                // Now lets create for employee form
                Parent root =
FXMLLoader.load(getClass().getResource("ProductDashboard.fxml"));

                Stage stage = new Stage();
                Scene scene = new Scene(root);

                stage.setScene(scene);
                stage.show();
            }
            else
            {

                alert = new Alert(AlertType.ERROR);
                alert.setTitle("Error Message");

```


```
        alert.setHeaderText(null);
        alert.setContentText("Wrong Entry");
        alert.showAndWait();
    }

    }catch(Exception e){e.printStackTrace();}}

    public void close()
    {
        System.exit(0);
    }


}
```

## SNAPSHOTS:



**All Mart**

Press for Billing



**Admin Sign In**

Password

Login

[Login employee account?](#)

