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Source Code

Application

Main.java

```
package application;
```

```
//import java.sql.ResultSet;
```

```
import javafx.application.Application;
```

```
import javafx.fxml.FXMLLoader;
```

```
import javafx.stage.Stage;
```

```
import models.DaoModel;
```

```
import javafx.scene.Parent;
```

```
import javafx.scene.Scene;
```

```
//import javafx.scene.layout.BorderPane;
```

```
public class Main extends Application {
```

```
    //to change between views
```

```
    private static Stage stg;
```

```
    @Override
```

```
    public void start(Stage primaryStage) {
```

```
        try {
```

```
            DaoModel dao = new DaoModel();
```

```
            dao.createTable();
```

```
            dao.createTableHairdressers();
```

```
            stg = primaryStage;
```

```
            primaryStage.setResizable(false);
```

```
            Parent root = FXMLLoader.load(getClass().getResource("/views/login.fxml"));
```

```
            primaryStage.setTitle("Hair Salon App");
```

```
            primaryStage.setScene(new Scene (root, 686, 400));
```

```
            primaryStage.show();
```

```

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

    public void changeScene(String fxml){
        try {
            Parent pane = FXMLLoader.load(getClass().getResource(fxml));
            stg.getScene().setRoot(pane);
        } catch(Exception e) {
            e.printStackTrace();
        }
    }

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

```

Controllers

adminwindowController.java

```

package controllers;

import javafx.scene.control.Button;
import javafx.scene.control.DatePicker;

import java.io.IOException;
//import java.awt.Button;
//import java.io.IOException;
import java.net.URL;
import java.util.List;
import java.util.ResourceBundle;

```

```

import application.Main;

import javafx.collections.FXCollections;

import javafx.collections.ObservableList;

import javafx.event.ActionEvent;

//import javafx.event.ActionEvent;

//import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.Initializable;

import javafx.scene.control.TableColumn;

import javafx.scene.control.TableView;

import javafx.scene.control.TextField;

import javafx.scene.control.cell.PropertyValueFactory;

import models.DaoModel;

public class adminwindowController implements Initializable{

    @FXML

    private TableView<ReservationRecords> reservations_table;

    @FXML

    private TableColumn<ReservationRecords,String> colDate;

    @FXML

    private TableColumn<ReservationRecords,String> colTime;

    @FXML

    private TableColumn<ReservationRecords,String> colType;

    @FXML

    private TableColumn<ReservationRecords,String> colWash;

    @FXML

    private TableColumn<ReservationRecords,String> colPrice;

    @FXML

    private Button logout;

    @FXML

    private Button delete;

    @FXML

    private Button update;

```

@FXML

private Button save;

@FXML

private DatePicker update_date;

@FXML

private TextField update_time;

@Override

public void initialize(URL arg0, ResourceBundle arg1) {

colDate.setCellValueFactory(new PropertyValueFactory<ReservationRecords,String>("date"));

colTime.setCellValueFactory(new PropertyValueFactory<ReservationRecords,String>("time"));

colType.setCellValueFactory(new
PropertyValueFactory<ReservationRecords,String>("type_of_hair"));

colWash.setCellValueFactory(new PropertyValueFactory<ReservationRecords,String>("wash"));

colPrice.setCellValueFactory(new PropertyValueFactory<ReservationRecords,String>("price"));

DaoModel dao = new DaoModel();

List<ReservationRecords> list = dao.getAllReservations();

ObservableList<ReservationRecords> data = FXCollections.observableArrayList(list) ;

reservations_table.setItems(data);

}

public void logOut(ActionEvent event) throws IOException{

Main m = new Main();

m.changeScene("/views/login.fxml");

}

public void DeleteReservation(ActionEvent event) throws IOException{

Main m = new Main();

```

        ReservationRecords deleted = reservations_table.getSelectionModel().getSelectedItem();

        DaoModel dao = new DaoModel();
        dao.deleteReservationRecord(deleted);

        m.changeScene("/views/admin_window.fxml");
    }

    public void UpdateReservation(ActionEvent event) throws IOException{
        update_date.setVisible(true);
        update_time.setVisible(true);
        save.setVisible(true);
    }

    public void SaveReservation(ActionEvent event) throws IOException{
        Main m = new Main();

        ReservationRecords touupdate = reservations_table.getSelectionModel().getSelectedItem();

        String old_date = touupdate.getDate();
        String old_time = touupdate.getTime();
        String new_date = update_date.getValue().toString();
        String new_time = update_time.getText().toString();

        DaoModel dao = new DaoModel();
        dao.updateReservationRecord(old_date,old_time,new_date,new_time);

        m.changeScene("/views/admin_window.fxml");
    }
}

```

```

clientwindowController.java
package controllers;

```

```

import java.io.IOException;

import application.Main;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.scene.control.Button;

public class clientwindowController {

    @FXML
    private Button make_Reservation;

    @FXML
    private Button log_out;

    public void logout(ActionEvent event) throws IOException{
        Main m = new Main();
        m.changeScene("/views/login.fxml");
    }

    public void makeReservation(ActionEvent event) throws IOException{
        Main m = new Main();
        m.changeScene("/views/reservation_page.fxml");
    }

}

LoginController.java
package controllers;

import javafx.fxml.FXML;

import javafx.scene.control.Button;

```

```

import javafx.scene.control.Label;
import javafx.scene.control.PasswordField;
import javafx.scene.control.TextField;
import models.DaoModel;
import javafx.event.ActionEvent;
import java.io.IOException;

import application.Main;

public class LoginController {

    public LoginController() {

    }

    @FXML
    private Button button;

    @FXML
    private Button signup;

    @FXML
    private Label wrongLogin;

    @FXML
    private TextField username;

    @FXML
    private PasswordField password;

    public void userLogin(ActionEvent event) throws IOException {

        Main m = new Main();

        DaoModel dao = new DaoModel();

```



```

        UsersRecords u = null;

        if (username.getText().isEmpty() && password.getText().isEmpty()) {
            wrongLogIn.setText("Please enter your username and password");
        }

        u = dao.getUserData(username.getText().toString(), password.getText().toString());

        if (u.getType_of_user().equals("Client")) {
            m.changeScene("/views/client_window.fxml");
        }
        if (u.getType_of_user().equals("Admin")) {
            m.changeScene("/views/admin_window.fxml");
        }
        if (u.getType_of_user().equals("Manager")) {
            m.changeScene("/views/manager_window.fxml");
        }
        if (u.getUsername().equals("Error") && u.getPassword().equals("Error")) {
            wrongLogIn.setText("Wrong password or username");
        }
    }

    public void signUp(ActionEvent event) throws IOException {
        Main m = new Main();
        m.changeScene("/views/signup.fxml");
    }
}

```

managerreservationmanagerController.java

```
package controllers;
```

```

import javafx.fxml.FXML;

import javafx.scene.control.Button;
import javafx.scene.control.Label;
import javafx.scene.control.PasswordField;
import javafx.scene.control.TextField;
import models.DaoModel;
import javafx.event.ActionEvent;
import java.io.IOException;

import application.Main;

public class LoginController {

    public LoginController() {

    }

    @FXML
    private Button button;

    @FXML
    private Button signup;

    @FXML
    private Label wrongLogin;

    @FXML
    private TextField username;

    @FXML
    private PasswordField password;

```

```

public void userLogin(ActionEvent event) throws IOException {

    Main m = new Main();

    DaoModel dao = new DaoModel();

    UsersRecords u = null;

    if (username.getText().isEmpty() && password.getText().isEmpty()) {

        wrongLogIn.setText("Please enter your username and password");

    }

    u = dao.getUserData(username.getText().toString(), password.getText().toString());

    if (u.getType_of_user().equals("Client")) {

        m.changeScene("/views/client_window.fxml");

    }

    if (u.getType_of_user().equals("Admin")) {

        m.changeScene("/views/admin_window.fxml");

    }

    if (u.getType_of_user().equals("Manager")) {

        m.changeScene("/views/manager_window.fxml");

    }

    if (u.getUsername().equals("Error") && u.getPassword().equals("Error")) {

        wrongLogIn.setText("Wrong password or username");

    }

}

public void signUp(ActionEvent event) throws IOException {

    Main m = new Main();

    m.changeScene("/views/signup.fxml");

}

}

managerwindowController.java
package controllers;

```

```

import java.io.IOException;

import application.Main;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.scene.control.Button;

public class managerwindowController {

    @FXML
    private Button manage_Reservations;

    @FXML
    private Button manage_Users;

    @FXML
    private Button create_Users;

    @FXML
    private Button log_out;

    public void logout(ActionEvent event) throws IOException{
        Main m = new Main();
        m.changeScene("/views/login.fxml");
    }

    public void manageReservations(ActionEvent event) throws IOException{
        Main m = new Main();
        m.changeScene("/views/manage_reservationmanager.fxml");
    }

    public void manageUsers(ActionEvent event) throws IOException{
        Main m = new Main();
        m.changeScene("/views/manage_usersmanager.fxml");
    }
}

```

```

    }

    public void createUsers(ActionEvent event) throws IOException{

        Main m = new Main();

        m.changeScene("/views/signup_newadmin.fxml");

    }

}

```

manageusersmanagerController.java

```

package controllers;

import javafx.scene.control.Button;
import java.io.IOException;
import java.net.URL;
import java.util.List;
import java.util.ResourceBundle;

import application.Main;
import javafx.collections.FXCollections;
import javafx.collections.ObservableList;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.Initializable;
import javafx.scene.control.TableColumn;
import javafx.scene.control.TableView;
import javafx.scene.control.cell.PropertyValueFactory;
import models.DaoModel;

public class manageusersmanagerController implements Initializable{

    @FXML

```

```

private TableView<UsersRecords> users_table;

@FXML

private TableColumn<UsersRecords,String> colName;

@FXML

private TableColumn<UsersRecords,String> colID;

@FXML

private TableColumn<UsersRecords,String> colType_of_User;

@FXML

private TableColumn<UsersRecords,String> colUsername;


@FXML

private Button back;


@FXML

private Button delete;


@Override

public void initialize(URL arg0, ResourceBundle arg1) {


        colName.setCellValueFactory(new PropertyValueFactory<UsersRecords,String>("user_name"));

        colID.setCellValueFactory(new PropertyValueFactory<UsersRecords,String>("user_id"));

        colType_of_User.setCellValueFactory(new
PropertyCellValueFactory<UsersRecords,String>("type_of_user"));

        colUsername.setCellValueFactory(new
PropertyCellValueFactory<UsersRecords,String>("username"));


        DaoModel dao = new DaoModel();

        List<UsersRecords> list = dao.getAllUsers();

        ObservableList<UsersRecords> data = FXCollections.observableArrayList(list) ;

        users_table.setItems(data);

}

```

```

        public void backB(ActionEvent event) throws IOException{
            Main m = new Main();
            m.changeScene("/views/manager_window.fxml");
        }

        public void deleteBoton(ActionEvent event) throws IOException{
            Main m = new Main();

            UsersRecords deleted = users_table.getSelectionModel().getSelectedItem();

            DaoModel dao = new DaoModel();
            dao.deleteUserRecord(deleted);

            m.changeScene("/views/manage_usersmanager.fxml");
        }
    }
}

```

reservationpageController.java

```
package controllers;
```

```

import java.io.IOException;
import java.net.URL;
import java.util.ResourceBundle;

import application.Main;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.Initializable;
import javafx.scene.control.Button;
import javafx.scene.control.ChoiceBox;
import javafx.scene.control.DatePicker;
import javafx.scene.control.TextField;
import models.DaoModel;

```

```
public class reservationpageController implements Initializable{
```

```
    @FXML
```

```
    private ChoiceBox<String> type_of_hair;
```

```
    @FXML
```

```
    private ChoiceBox<String> wash;
```

```
    @FXML
```

```
    private ChoiceBox<String> hairdressers;
```

```
    @FXML
```

```
    private DatePicker date_reservation;
```

```
    @FXML
```

```
    private TextField time;
```

```
    @FXML
```

```
    private Button cancel;
```

```
    @FXML
```

```
    private Button make_reservation;
```

```
    public void cancelButton(ActionEvent event) throws IOException{
```

```
        Main m = new Main();
```

```
        m.changeScene("/views/client_window.fxml");
```

```
    }
```



```

public void makeReservation(ActionEvent event) throws IOException{

    Main m = new Main();

    int price=0;

    if(type_of_hair.getValue().equals("Short")) price = 10;
    if(type_of_hair.getValue().equals("Medium")) price = 20;
    if(type_of_hair.getValue().equals("Long")) price = 30;
    if(wash.getValue().equals("Yes")) price += 10;

    ReservationRecords r = new
ReservationRecords(date_reservation.getValue().toString(),time.getText().toString(),type_of_hair.getValue(),wash.g
etValue(),String.valueOf(price));

    DaoModel dao = new DaoModel();

    dao.insertNewReservation(r);

    m.changeScene("/views/client_window.fxml");

}

```

@Override

```

public void initialize(URL arg0, ResourceBundle arg1) {

    String[] hairdressers_array = new String[3];
    hairdressers_array[0]="Marta";
    hairdressers_array[1]="Andres";
    hairdressers_array[2]="Federico";

    type_of_hair.getItems().add("Short");
    type_of_hair.getItems().add("Medium");
    type_of_hair.getItems().add("Long");
    wash.getItems().add("Yes");
    wash.getItems().add("No");
    for (int i=0;i<hairdressers_array.length;i++) {
        hairdressers.getItems().add(hairdressers_array[i]);
    }
}

```

```

    }

}

}

```

ReservationRecords.java

```
package controllers;
```

```
public class ReservationRecords {
```

```
    private String date;
```

```
    private String time;
```

```
    private String type_of_hair;
```

```
    private String wash;
```

```
    private String price;
```

```
    public ReservationRecords(String date, String time, String type_of_hair, String wash, String price) {
```

```
        super();
```

```
        this.date = date;
```

```
        this.time = time;
```

```
        this.type_of_hair = type_of_hair;
```

```
        this.wash = wash;
```

```
        this.price = price;
```

```
    }
```

```
    /**
```

```
     * @return the date
```

```
     */
```

```
    public String getDate() {
```

```
        return date;
```

```
    }
```

```
    /**
```

```
     * @param date the date to set
```

```
     */
```

```

public void setDate(String date) {
    this.date = date;
}

/**
 * @return the time
 */
public String getTime() {
    return time;
}

/**
 * @param time the time to set
 */
public void setTime(String time) {
    this.time = time;
}

/**
 * @return the type_of_hair
 */
public String getType_of_hair() {
    return type_of_hair;
}

/**
 * @param type_of_hair the type_of_hair to set
 */
public void setType_of_hair(String type_of_hair) {
    this.type_of_hair = type_of_hair;
}

/**
 * @return the wash
 */
public String getWash() {
    return wash;
}

/**
 * @param wash the wash to set

```

```

        */

        public void setWash(String wash) {

            this.wash = wash;

        }

        /**
         * @return the price
         */

        public String getPrice() {

            return price;

        }

        /**
         * @param price the price to set
         */

        public void setPrice(String price) {

            this.price = price;

        }

    }

```

signupController.java

```
package controllers;
```

```

import java.io.IOException;

import application.Main;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.scene.control.Button;
//import javafx.scene.control.Label;
import javafx.scene.control.PasswordField;
import javafx.scene.control.TextField;
import models.DaoModel;

public class signupController {

```

```

@FXML
private Button registerUser;

@FXML
private Button cancel;

@FXML
private TextField user_name;

@FXML
private TextField user_id;

@FXML
private TextField username;

@FXML
private PasswordField password;

public void registerUser(ActionEvent event) throws IOException{
    Main m = new Main();

    UsersRecords u = new UsersRecords(user_name.getText().toString(), user_id.getText().toString(),
"Client", username.getText().toString(),password.getText().toString(),"");

    DaoModel dao = new DaoModel();
    dao.insertNewUser(u);

    m.changeScene("/views/login.fxml");
}

public void cancelButton(ActionEvent event) throws IOException{
    Main m = new Main();
    m.changeScene("/views/login.fxml");
}

```

```
}
```

signupnewadminController.java

```
package controllers;

import java.io.IOException;
import java.net.URL;
import java.util.ResourceBundle;

import application.Main;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.Initializable;
import javafx.scene.control.Button;
import javafx.scene.control.ChoiceBox;
import javafx.scene.control.PasswordField;
import javafx.scene.control.TextArea;
import javafx.scene.control.TextField;
import models.DaoModel;

public class signupnewadminController implements Initializable{

    @FXML
    private Button registerUser;

    @FXML
    private Button cancel;

    @FXML
    private TextField user_name;

    @FXML
    private TextField user_id;

    @FXML
    private ChoiceBox<String> type_of_user;
```

```

@FXML
private TextField username;

@FXML
private PasswordField password;

@FXML
private TextArea description;

public void registerUser(ActionEvent event) throws IOException{

    Main m = new Main();

    UsersRecords u = null;

    if(type_of_user.getValue().equals("Client") || type_of_user.getValue().equals("Manager")) {

        u = new UsersRecords(user_name.getText().toString(), user_id.getText().toString(),
type_of_user.getValue(), username.getText().toString(),password.getText().toString(),"");

    }else {

        u = new UsersRecords(user_name.getText().toString(), user_id.getText().toString(),
type_of_user.getValue(),
username.getText().toString(),password.getText().toString(),description.getText().toString());

    }

    DaoModel dao = new DaoModel();

    dao.insertNewUser(u);

    m.changeScene("/views/manager_window.fxml");

}

public void cancelButton(ActionEvent event) throws IOException{

    Main m = new Main();

    m.changeScene("/views/manager_window.fxml");

}

@Override

public void initialize(URL location, ResourceBundle resources) {

    // TODO Auto-generated method stub

    type_of_user.getItems().add("Client");

    type_of_user.getItems().add("Admin");

```

```

        type_of_user.getItems().add("Manager");
    }

}

```

UsersRecords.java

```
package controllers;
```

```

public class UsersRecords {

    private String user_name;

    private String user_id;

    private String type_of_user;

    private String username;

    private String password;

    private String description;

    public UsersRecords(String user_name, String user_id, String type_of_user, String username, String
password, String description) {

        super();

        this.user_name = user_name;

        this.user_id = user_id;

        this.type_of_user = type_of_user;

        this.username = username;

        this.password=password;

        this.description=description;

    }

    /**
     * @return the user_name
     */
    public String getUser_name() {

        return user_name;

    }

    /**
     * @param user_name the user_name to set

```



```

*/

public void setUser_name(String user_name) {

    this.user_name = user_name;

}

/**
 * @return the user_id
 */
public String getUser_id() {

    return user_id;

}

/**
 * @param user_id the user_id to set
 */
public void setUser_id(String user_id) {

    this.user_id = user_id;

}

/**
 * @return the type_of_user
 */
public String getType_of_user() {

    return type_of_user;

}

/**
 * @param type_of_user the type_of_user to set
 */
public void setType_of_user(String type_of_user) {

    this.type_of_user = type_of_user;

}

/**
 * @return the username

```

```

    */

    public String getUsername() {

        return username;

    }

    /**
     * @param username the username to set
     */
    public void setUsername(String username) {

        this.username = username;

    }

    /**
     * @return the password
     */
    public String getPassword() {

        return password;

    }

    /**
     * @param password the password to set
     */
    public void setPassword(String password) {

        this.password = password;

    }

    /**
     * @return the description
     */
    public String getDescription() {

        return description;

    }

    /**
     * @param description the description to set

```

```

        */

        public void setDescription(String description) {

            this.description = description;

        };
    }
}

```

Models

DaoModel.java

```

package models;

import java.sql.ResultSet;
import java.sql.ResultSetMetaData;

/**
 * @author Andrea Perez Isla
 *
 * ITMD510 Object-Oriented App Develop
 * Lab4
 * Dao Model class
 *
 */

//import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.List;
import java.util.Random;

import controllers.ReservationRecords;
import controllers.UsersRecords;

public class DaoModel {

    // Declare DB objects

    DBConnect conn = null;

    Statement stmt = null;

```

```

// constructor

public DaoModel() { // create db object instance

    conn = new DBConnect();

}

// CREATE TABLES FOR USERS AND RESERVATIONS METHOD

public void createTable() {

    try {

        // Open a connection

        System.out.println("Connecting to database to create Table...");

        System.out.println("Connected database successfully...");

        // Execute create query

        System.out.println("Creating table in given database...");

        stmt = conn.connect().createStatement();


        String sql1;

        String sql2;


        try {

            sql1 = "CREATE TABLE IF NOT EXISTS users_hairsalon_table " + "(id_number
VARCHAR(20) not NULL, " + " user_name VARCHAR(20) not NULL, "
                                + " password VARCHAR(20) not NULL, " + " username
VARCHAR(30) not NULL, " + " type_of_user VARCHAR(10) not NULL, " + " PRIMARY KEY ( id_number ))";

            sql2 = "CREATE TABLE IF NOT EXISTS reservations_hairsalon_tab " + "(date
VARCHAR(15) not NULL, " + " time VARCHAR(60) not NULL, "
                                + " type_of_hair VARCHAR(20) not NULL, " + " wash
VARCHAR(4) not NULL, " + " price VARCHAR(60) not NULL, " + " PRIMARY KEY ( time ))";


            stmt.executeUpdate(sql1);

            stmt.executeUpdate(sql2);


        } catch (Exception e) {

            // TODO Auto-generated catch block

```

```

        e.printStackTrace();
    }

    System.out.println("Created table in given database...");
    conn.connect().close(); // close db connection
} catch (SQLException se) { // Handle errors for JDBC
    se.printStackTrace();
}

}

// CREATE TABLE HAIRDRESSERS METHOD
public void createTableHairdressers() {
    try {
        // Open a connection
        System.out.println("Connecting to database to create Table2...");
        System.out.println("Connected database successfully...");
        // Execute create query
        System.out.println("Creating table in given database...");
        stmt = conn.connect().createStatement();

        String sql;
        try {
            sql = "CREATE TABLE IF NOT EXISTS hairdressers_hairsalon_table " +
                "(worker_number VARCHAR(60) not NULL, " + " name VARCHAR(20) not NULL, "
                + " id_number VARCHAR(20) not NULL, " + " "
                + " description VARCHAR(70) not NULL, " + " PRIMARY KEY ( worker_number ))";

            stmt.executeUpdate(sql);

        } catch (Exception e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}

```

```

        System.out.println("Created table in given database...");

        conn.connect().close(); // close db connection
    } catch (SQLException se) { // Handle errors for JDBC
        se.printStackTrace();
    }

}

// INSERT INTO USERS TABLE METHOD
public void insertNewUser(UsersRecords u) {
    try {
        // Execute a query
        System.out.println("Inserting records into the table...");

        stmt = conn.connect().createStatement();

        String sql = null;

        sql = "INSERT INTO
users_hairsalon_table(id_number,user_name,password,username,type_of_user) " +
            "VALUES ('"+u.getUser_id()+"','"+u.getUser_name()+"',
"+u.getPassword()+"', '"+u.getUsername()+"', '"+u.getType_of_user()+"')";

        stmt.executeUpdate(sql);

        conn.connect().close();

        if(u.getType_of_user().equals("Admin")) insertNewHairdresser(u);

    } catch (SQLException se) {
        se.printStackTrace();
    }
}

} // INSERT INTO USERS TABLE METHOD

```

```

// INSERT INTO HAIRDRESSERS TABLE METHOD

public void insertNewHairdresser(UsersRecords u) {

    try {

        // Execute a query

        System.out.println("Inserting records into the table...");

        stmt = conn.connect().createStatement();

        String sql = null;

        Random ran = new Random();

        int rr = ran.nextInt(300);

        String id_generado=String.valueOf(rr);

        System.out.println(id_generado);

        sql = "INSERT INTO
hairdressers_hairsalon_table(worker_number,name,id_number,description) " +
                                "VALUES
('"+id_generado+"','"+u.getUser_name()+"', '"+u.getUser_id()+"', '"+u.getDescription()+"')";

        stmt.executeUpdate(sql);

        conn.connect().close();

    } catch (SQLException se) {

        se.printStackTrace();

    }

}

} // INSERT INTO HAIRDRESSERS TABLE METHOD

```

```

// INSERT INTO RESERVATIONS TABLE METHOD

public void insertNewReservation(ReservationRecords r) {

    try {

        // Execute a query

        System.out.println("Inserting records into the table...");

        stmt = conn.connect().createStatement();

```

```

        String sql = null;

        sql = "INSERT INTO
reservations_hairsalon_tab(date,time,type_of_hair,wash,price) " +
                                "VALUES ('"+r.getDate()+"','"+r.getTime()+"",
"+r.getType_of_hair()+"','"+r.getWash()+"','"+r.getPrice()+"')";

        stmt.executeUpdate(sql);

        conn.connect().close();

    } catch (SQLException se) {
        se.printStackTrace();
    }
}

} // INSERT INTO RESERVATIONS TABLE METHOD

```

```

//GET USER DATA METHOD

public UsersRecords getUserData(String username,String password) {
    UsersRecords u =null;
    try {
        // Execute a query
        System.out.println("Looking for the record into the table...");
        stmt = conn.connect().createStatement();
        String sql = null;
        ResultSet rs = null;

        //System.out.println(username);
        //System.out.println(password);

        sql = "SELECT * FROM users_hairsalon_table WHERE
username='"+username+"' AND password='"+password+"'";

        stmt.executeQuery(sql);
        rs = stmt.executeQuery(sql);
        if(rs.next()) {

```



```

                                u = new
UsersRecords(rs.getString("id_number"),rs.getString("user_name"),rs.getString("type_of_user"),rs.getString("usern
ame"),rs.getString("password"),"");

                                }else {

                                u = new UsersRecords("", "", "", "Error", "Error", "");

                                }

                                conn.connect().close();

                                } catch (SQLException se) {

                                se.printStackTrace();

                                }

                                return u;

```

}//GET USER DATA METHOD

//GET ALL USERS METHOD

```

public List<UsersRecords> getAllUsers() {

    List<UsersRecords> list = new ArrayList<>();

    UsersRecords u =null;

    try {

        // Execute a query

        System.out.println("Looking for the hairdressers TABLE records into the
table...");

        stmt = conn.connect().createStatement();

        String sql = null;

        ResultSet rs = null;

        sql = "SELECT * FROM users_hairsalon_table";

        stmt.executeQuery(sql);

```

```

        rs = stmt.executeQuery(sql);

        ResultSetMetaData rsmd = rs.getMetaData();

        int colCount = rsmd.getColumnCount();

        //int rowCount = 0;

        while (rs.next()) {

            //rowCount++;

            for (int i = 1; i <= colCount; i++)

                u = new
UsersRecords(rs.getString("id_number"),rs.getString("user_name"),rs.getString("type_of_user"),rs.getString("usern
ame"),rs.getString("password"),"");

            list.add(u);

        }

        conn.connect().close();

    } catch (SQLException se) {

        se.printStackTrace();

    }

    return list;

}

} //GET ALL USERS METHOD

//GET ALL RESERVATIONS METHOD

public List<ReservationRecords> getAllReservations() {

    List<ReservationRecords> list = new ArrayList<>();

    ReservationRecords r =null;

    try {

        // Execute a query

        System.out.println("Looking for the reservations TABLE records into the
table...");

        stmt = conn.connect().createStatement();

```

```

        String sql = null;

        ResultSet rs = null;

        sql = "SELECT * FROM reservations_hairsalon_tab";

        stmt.executeQuery(sql);

        rs = stmt.executeQuery(sql);

        ResultSetMetaData rsmd = rs.getMetaData();

        int colCount = rsmd.getColumnCount();

        //int rowCount = 0;

        while (rs.next()) {

            //rowCount++;

            //System.out.println("Datos para la fila " + rowCount);

            for (int i = 1; i <= colCount; i++)

                //System.out.println(" Fila " + i + ": " + rs.getString(i));

            r = new
ReservationRecords(rs.getString("date"),rs.getString("time"),rs.getString("type_of_hair"),rs.getString("wash"),rs.get
String("price"));

            list.add(r);

        }

        conn.connect().close();

    } catch (SQLException se) {

        se.printStackTrace();

    }

    return list;

} //GET ALL RESERVATIONS METHOD

//DELETE A RESERVATION RECORD METHOD

```

```

public void deleteReservationRecord(ReservationRecords deleted) {
    try {
        // Execute a query
        System.out.println("Looking for the reservations TABLE TO ERASE A
record...");

        stmt = conn.connect().createStatement();
        String sql = null;

        sql = "DELETE FROM reservations_hairsalon_tab WHERE
time='"+deleted.getTime()+"' AND date='"+deleted.getDate()+"'";

        stmt.executeUpdate(sql);
        conn.connect().close();
    } catch (SQLException se) {
        se.printStackTrace();
    }

}

} //DELETE A RESERVATION RECORD METHOD

//DELETE A USER RECORD METHOD

public void deleteUserRecord(UsersRecords deleteduser) {
    try {
        // Execute a query
        System.out.println("Looking for the users TABLE TO ERASE A record...");

        stmt = conn.connect().createStatement();
        String sql = null;

        sql = "DELETE FROM users_hairsalon_table WHERE
username='"+deleteduser.getUsername()+"' AND password='"+deleteduser.getPassword()+"'";

        stmt.executeUpdate(sql);
        conn.connect().close();
    } catch (SQLException se) {
        se.printStackTrace();
    }
}

```

```

    }

    }//DELETE A USER RECORD METHOD

    //UPDATE A RESERVATION RECORD METHOD

    public void updateReservationRecord(String old_date,String old_time,String new_date,String
new_time) {

        try {

            // Execute a query

            System.out.println("Looking for the users TABLE TO ERASE A record...");

            stmt = conn.connect().createStatement();

            String sql = null;

            sql = "UPDATE reservations_hairsalon_tab SET time='"+new_time+"",
date='"+new_date+"' WHERE time='"+old_time+"' AND date='"+old_date+"'";

            stmt.executeUpdate(sql);

            conn.connect().close();

        } catch (SQLException se) {

            se.printStackTrace();

        }

    }

    }//UPDATE A RESERVATION RECORD METHOD

}

```

DBConnect.java

```

package models;

/**
 * @author Andrea Perez Isla
 *
 * ITMD510 Object-Oriented App Develop

```

```

* Lab4

* DB Connect class
*

*/

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DBConnect {

    // Code database URL

    static final String DB_URL =
"jdbc:mysql://www.papademas.net:3307/510fp?autoReconnect=true&useSSL=false";

    // Database credentials

    static final String USER = "fp510", PASS = "510";

    public Connection connect() throws SQLException {

        return DriverManager.getConnection(DB_URL, USER, PASS);

    }

}

```

Views

Admin_window.fxml

```

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

<?import javafx.scene.control.Button?>
<?import javafx.scene.control.DatePicker?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.control.TableColumn?>
<?import javafx.scene.control.TableView?>
<?import javafx.scene.control.TextField?>
<?import javafx.scene.image.Image?>
<?import javafx.scene.image.ImageView?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.BorderPane?>

```

```

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.adminwindowController">

    <center>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER">

            <children>

                <Button fx:id="save" layoutX="436.0" layoutY="282.0" mnemonicParsing="false"
onAction="#SaveReservation" style="-fx-background-color: #eeb752;" text="Save" visible="false" />

                <TextField fx:id="update_time" layoutX="418.0" layoutY="232.0" visible="false" />

                <DatePicker fx:id="update_date" layoutX="406.0" layoutY="187.0" visible="false" />

                <ImageView fitHeight="76.0" fitWidth="106.0" pickOnBounds="true" preserveRatio="true">

                    <image>

                        <Image url="@../application/images/sceneslogo.png" />

                    </image>

                </ImageView>

                <Label layoutX="164.0" layoutY="66.0" text="Manage reservations - Admin" textFill="#eeb752" />

                <Button fx:id="logout" layoutX="468.0" layoutY="30.0" mnemonicParsing="false" onAction="#logOut"
style="-fx-background-color: #eeb752;" text="Log Out" />

                <TableView fx:id="reservations_table" layoutX="14.0" layoutY="100.0" prefHeight="227.0"
prefWidth="383.0">

                    <columns>

                        <TableColumn fx:id="colDate" prefWidth="75.0" text="Date" />

                        <TableColumn fx:id="colTime" prefWidth="75.0" text="Time" />

                        <TableColumn fx:id="colType" prefWidth="75.0" text="Type of Hair" />

                        <TableColumn fx:id="colWash" prefWidth="75.0" text="Wash" />

                        <TableColumn fx:id="colPrice" prefWidth="75.0" text="Price" />

                    </columns>

                </TableView>

                <Button fx:id="delete" layoutX="437.0" layoutY="100.0" mnemonicParsing="false"
onAction="#DeleteReservation" style="-fx-background-color: #eeb752;" text="Delete Reservation" />

                <Button fx:id="update" layoutX="435.0" layoutY="144.0" mnemonicParsing="false"
onAction="#UpdateReservation" style="-fx-background-color: #eeb752;" text="Update Reservation" />

            </children>

        </AnchorPane>

    </center>

</BorderPane>

```

Client_window.fxml

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

<?import javafx.scene.control.Button?>

<?import javafx.scene.control.Label?>

<?import javafx.scene.image.Image?>

<?import javafx.scene.image.ImageView?>

<?import javafx.scene.layout.AnchorPane?>

<?import javafx.scene.layout.BorderPane?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.clientwindowController">

    <center>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER">

            <children>

                <Label layoutX="267.0" layoutY="86.0" text="Client Menu" textFill="#eeb752" />

                <ImageView fitHeight="81.0" fitWidth="120.0" layoutX="244.0" layoutY="5.0" pickOnBounds="true"
preserveRatio="true">

                    <image>

                        <Image url="@../application/images/sceneslogo.png" />

                    </image>

                </ImageView>

                <Button fx:id="make_Reservation" layoutX="242.0" layoutY="138.0" mnemonicParsing="false"
onAction="#makeReservation" style="-fx-background-color: #eeb752;" text="Make a reservation" />

                <Button fx:id="log_out" layoutX="493.0" layoutY="32.0" mnemonicParsing="false" onAction="#logout"
style="-fx-background-color: #eeb752;" text="Log out" />

            </children>

        </AnchorPane>

    </center>

</BorderPane>
```

Login.fxml

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

<?import javafx.scene.control.Button?>

<?import javafx.scene.control.Label?>
```



```

<?import javafx.scene.control.PasswordField?>

<?import javafx.scene.control.TextField?>

<?import javafx.scene.image.Image?>

<?import javafx.scene.image.ImageView?>

<?import javafx.scene.layout.AnchorPane?>

<?import javafx.scene.layout.BorderPane?>

<?import javafx.scene.text.Font?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" prefHeight="400.0" prefWidth="686.0" style="-fx-background-color: #1e1e1e;" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.LoginController">

    <left>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" BorderPane.alignment="CENTER">

            <children>

                <ImageView fitHeight="416.0" fitWidth="308.0" pickOnBounds="true" preserveRatio="true">

                    <image>

                        <Image url="@../application/images/hairsalonlogo.png" />

                    </image>

                </ImageView>

            </children>

        </AnchorPane>

    </left>

    <right>

        <AnchorPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="448.0" prefWidth="343.0" BorderPane.alignment="CENTER">

            <children>

                <ImageView fitHeight="85.0" fitWidth="65.0" layoutX="130.0" layoutY="30.0">

                    <image>

                        <Image url="@../application/images/loginlogo.png" />

                    </image>

                </ImageView>

                <Label layoutX="30.0" layoutY="168.0" text="Username" textFill="#eeb752">

                    <font>

                        <Font name="Arial Bold" size="17.0" />

                    </font>

                </Label>

```

```

<Label layoutX="32.0" layoutY="220.0" text="Password" textFill="#eeb752">

    <font>

        <Font name="Arial Bold" size="17.0" />

    </font>

</Label>

<TextField fx:id="username" layoutX="139.0" layoutY="166.0" promptText="Username" />

<PasswordField fx:id="password" layoutX="139.0" layoutY="217.0" promptText="Password" />

<Button fx:id="button" layoutX="123.0" layoutY="298.0" mnemonicParsing="false" onAction="#userLogin"
prefHeight="38.0" prefWidth="82.0" style="-fx-background-color: #eeb752;" text="Log in" />

<Label fx:id="wrongLogin" layoutX="100.0" layoutY="124.0" textFill="#da0b0b" />

<Button fx:id="signup" layoutX="123.0" layoutY="350.0" mnemonicParsing="false" onAction="#signUp"
prefHeight="38.0" prefWidth="82.0" style="-fx-background-color: #eeb752;" text="Sign Up" />

</children>

</AnchorPane>

</right>

</BorderPane>

```

Manage_reservationmanager.fxml

```

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

<?import javafx.scene.control.Button?>

<?import javafx.scene.control.DatePicker?>

<?import javafx.scene.control.Label?>

<?import javafx.scene.control.TableColumn?>

<?import javafx.scene.control.TableView?>

<?import javafx.scene.control.TextField?>

<?import javafx.scene.image.Image?>

<?import javafx.scene.image.ImageView?>

<?import javafx.scene.layout.AnchorPane?>

<?import javafx.scene.layout.BorderPane?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.managerreservationmanagerController">

    <center>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER" />

```

```

</center>

<top>

    <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
    BorderPane.alignment="CENTER">

        <children>

            <Button fx:id="back" layoutX="482.0" layoutY="35.0" mnemonicParsing="false" onAction="#backB" style="-
            fx-background-color: #eeb752;" text="Back" />

            <Button fx:id="save" layoutX="487.0" layoutY="262.0" mnemonicParsing="false"
            onAction="#SaveReservation" style="-fx-background-color: #eeb752;" text="Save" visible="false" />

            <DatePicker fx:id="update_date" layoutX="425.0" layoutY="192.0" prefHeight="24.0" prefWidth="162.0"
            visible="false" />

            <TextField fx:id="update_time" layoutX="426.0" layoutY="229.0" visible="false" />

            <Button fx:id="update" layoutX="444.0" layoutY="147.0" mnemonicParsing="false"
            onAction="#UpdateReservation" style="-fx-background-color: #eeb752;" text="Update Reservation" />

            <Button fx:id="delete" layoutX="459.0" layoutY="102.0" mnemonicParsing="false"
            onAction="#DeleteReservation" style="-fx-background-color: #eeb752;" text="Delete Record" />

            <ImageView fitHeight="76.0" fitWidth="106.0" pickOnBounds="true" preserveRatio="true">

                <image>

                    <Image url="@../application/images/sceneslogo.png" />

                </image>

            </ImageView>

            <Label layoutX="220.0" layoutY="37.0" text="Manage reservations - Manager" textFill="#eeb752" />

            <TableView fx:id="reservations_table" layoutX="29.0" layoutY="79.0" prefHeight="227.0"
            prefWidth="383.0">

                <columns>

                    <TableColumn fx:id="colDate" prefWidth="100.0" text="Date" />

                    <TableColumn fx:id="colTime" prefWidth="60.0" text="Time" />

                    <TableColumn fx:id="colType" prefWidth="94.0" text="Type of Hair" />

                    <TableColumn fx:id="colWash" prefWidth="66.0" text="Wash" />

                    <TableColumn fx:id="colPrice" prefWidth="55.0" text="Price" />

                </columns>

            </TableView>

        </children>

    </AnchorPane>

</top>

</BorderPane>

```

Manage_usersmanager.fxml

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

<?import javafx.scene.control.Button?>

<?import javafx.scene.control.Label?>

<?import javafx.scene.control.TableColumn?>

<?import javafx.scene.control.TableView?>

<?import javafx.scene.image.Image?>

<?import javafx.scene.image.ImageView?>

<?import javafx.scene.layout.AnchorPane?>

<?import javafx.scene.layout.BorderPane?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.manageusersmanagerController">

    <center>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER">

            <children>

                <Button fx:id="delete" layoutX="491.0" layoutY="187.0" mnemonicParsing="false" onAction="#deleteBoton"
style="-fx-background-color: #eeb752;" text="Delete User" />

                <ImageView fitHeight="76.0" fitWidth="106.0" pickOnBounds="true" preserveRatio="true">

                    <image>

                        <Image url="@../application/images/sceneslogo.png" />

                    </image>

                </ImageView>

                <Button fx:id="back" layoutX="269.0" layoutY="333.0" mnemonicParsing="false" onAction="#backB" style="-
fx-background-color: #eeb752;" text="Back" />

                <Label layoutX="232.0" layoutY="41.0" text="Manage users - Manager" textFill="#eeb752" />

                <TableView fx:id="users_table" layoutX="104.0" layoutY="85.0" prefHeight="230.0" prefWidth="374.0">

                    <columns>

                        <TableColumn fx:id="colName" prefWidth="75.0" text="Name" />

                        <TableColumn fx:id="colID" prefWidth="96.0" text="ID number" />

                        <TableColumn fx:id="colType_of_User" prefWidth="98.0" text="Type of User" />

                        <TableColumn fx:id="colUsername" prefWidth="104.0" text="Username" />

                    </columns>

                </TableView>

            </children>

        </AnchorPane>

    </center>

</BorderPane>
```

```

        </TableView>

    </children>

</AnchorPane>

</center>

</BorderPane>

```

Manager_window.fxml

```

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

<?import javafx.scene.control.Button?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.image.Image?>
<?import javafx.scene.image.ImageView?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.BorderPane?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.managerwindowController">

    <center>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER">

            <children>

                <Label layoutX="252.0" layoutY="89.0" text="Manager Window" textFill="#eeb752" />

                <ImageView fitHeight="81.0" fitWidth="120.0" layoutX="243.0" layoutY="8.0" pickOnBounds="true"
preserveRatio="true">

                    <image>

                        <Image url="@../application/images/sceneslogo.png" />

                    </image>

                </ImageView>

                <Button fx:id="manage_Reservations" layoutX="233.0" layoutY="145.0" mnemonicParsing="false"
onAction="#manageReservations" style="-fx-background-color: #eeb752;" text="Manage Reservations" />

                <Button fx:id="manage_Users" layoutX="253.0" layoutY="194.0" mnemonicParsing="false"
onAction="#manageUsers" style="-fx-background-color: #eeb752;" text="Manage Users" />

                <Button fx:id="log_out" layoutX="491.0" layoutY="35.0" mnemonicParsing="false" onAction="#logout"
style="-fx-background-color: #eeb752;" text="Log Out" />

                <Button fx:id="create_Users" layoutX="257.0" layoutY="242.0" mnemonicParsing="false"
onAction="#createUsers" style="-fx-background-color: #eeb752;" text="Create Users" />

            </children>

```

```

    </AnchorPane>

</center>

</BorderPane>

```

Reservation_page.fxml

```

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

<?import javafx.scene.control.Button?>
<?import javafx.scene.control.ChoiceBox?>
<?import javafx.scene.control.DatePicker?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.control.TextField?>
<?import javafx.scene.image.Image?>
<?import javafx.scene.image.ImageView?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.BorderPane?>
<?import javafx.scene.text.Font?>
<?import javafx.scene.text.Text?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.reservationpageController">

    <center>

        <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER">

            <children>

                <Label layoutX="233.0" text="Make a new Reservation " textFill="#eeb752" />

                <TextField fx:id="time" layoutX="221.0" layoutY="189.0" promptText="HH:MM" />

                <ChoiceBox fx:id="type_of_hair" layoutX="225.0" layoutY="31.0" prefWidth="150.0" />

                <Button fx:id="make_reservation" layoutX="203.0" layoutY="236.0" mnemonicParsing="false"
onAction="#makeReservation" style="-fx-background-color: #eeb752#eeb752;" text="Make Reservation" />

                <Text fill="#eeb752" layoutX="455.0" layoutY="41.0" strokeType="OUTSIDE" strokeWidth="0.0" text="Short-
- &gt;$10" />

                <Label layoutX="127.0" layoutY="33.0" prefHeight="23.0" prefWidth="78.0" text="Type of Hair"
textAlignment="CENTER" textFill="#eeb752">

                    <font>

                        <Font size="14.0" />

```

```

    </font>

</Label>

<Label layoutX="142.0" layoutY="66.0" prefHeight="23.0" prefWidth="78.0" text="Wash?"
textAlignment="CENTER" textFill="#eeb752">

    <font>

        <Font size="14.0" />

    </font>

</Label>

<Label layoutX="74.0" layoutY="102.0" prefHeight="21.0" prefWidth="136.0" text="Available hairdressers"
textAlignment="CENTER" textFill="#eeb752">

    <font>

        <Font size="14.0" />

    </font>

</Label>

<Label layoutX="160.0" layoutY="143.0" prefHeight="22.0" prefWidth="38.0" text="Date"
textAlignment="CENTER" textFill="#eeb752">

    <font>

        <Font size="14.0" />

    </font>

</Label>

<Button fx:id="cancel" layoutX="328.0" layoutY="236.0" mnemonicParsing="false"
onAction="#cancelButton" style="-fx-background-color: #eeb752#eeb752;" text="Cancel" />

<ChoiceBox fx:id="wash" layoutX="225.0" layoutY="65.0" prefWidth="150.0" />

<ChoiceBox fx:id="hairdressers" layoutX="225.0" layoutY="98.0" prefWidth="150.0" />

<DatePicker fx:id="date_reservation" layoutX="208.0" layoutY="141.0" promptText="Date" />

<Label layoutX="162.0" layoutY="191.0" prefHeight="23.0" prefWidth="36.0" text="Time"
textAlignment="CENTER" textFill="#eeb752">

    <font>

        <Font size="14.0" />

    </font>

</Label>

<Text fill="#eeb752" layoutX="455.0" layoutY="62.0" strokeType="OUTSIDE" strokeWidth="0.0"
text="Medium--&gt;$20" />

<Text fill="#eeb752" layoutX="455.0" layoutY="82.0" strokeType="OUTSIDE" strokeWidth="0.0" text="Long--
&gt;$30" />

<Text fill="#eeb752" layoutX="455.0" layoutY="108.0" strokeType="OUTSIDE" strokeWidth="0.0"
text="Wash +$10" />

</children>

```

```

    </AnchorPane>

</center>

<top>

    <AnchorPane prefHeight="93.0" prefWidth="600.0" style="-fx-background-color: #1e1e1e;"
    BorderPane.alignment="CENTER">

        <children>

            <ImageView fitHeight="89.0" fitWidth="125.0" layoutX="238.0" layoutY="3.0" pickOnBounds="true"
            preserveRatio="true">

                <image>

                    <Image url="@../application/images/sceneslogo.png" />

                </image>

            </ImageView>

        </children>

    </AnchorPane>

</top>

</BorderPane>

```

Signup_newadmin.fxml

```

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

<?import javafx.scene.control.Button?>
<?import javafx.scene.control.ChoiceBox?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.control.PasswordField?>
<?import javafx.scene.control.TextArea?>
<?import javafx.scene.control.TextField?>
<?import javafx.scene.image.Image?>
<?import javafx.scene.image.ImageView?>
<?import javafx.scene.layout.AnchorPane?>
<?import javafx.scene.layout.BorderPane?>
<?import javafx.scene.text.Font?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.signupnewadminController">

    <center>

```



```

<AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
BorderPane.alignment="CENTER">

    <children>

        <Label layoutX="412.0" layoutY="6.0" text="Description" textFill="#eeb752" />

        <TextArea fx:id="description" layoutX="339.0" layoutY="25.0" prefHeight="206.0" prefWidth="209.0"
promptText="Complete When Creating a new Admin, else leave empty" />

        <Label accessibleRoleDescription="," layoutX="58.0" layoutY="162.0" text="Username" textFill="#eeb752">

            <font>

                <Font size="15.0" />

            </font>

        </Label>

        <TextField fx:id="username" layoutX="135.0" layoutY="159.0" promptText="Username" />

        <Label layoutX="60.0" layoutY="199.0" text="Password" textFill="#eeb752">

            <font>

                <Font size="15.0" />

            </font>

        </Label>

        <PasswordField fx:id="password" layoutX="135.0" layoutY="196.0" promptText="Password" />

        <Label layoutX="73.0" layoutY="25.0" text="Name" textFill="#eeb752">

            <font>

                <Font size="15.0" />

            </font>

        </Label>

        <TextField fx:id="user_name" layoutX="138.0" layoutY="21.0" promptText="Name" />

        <Label layoutX="58.0" layoutY="64.0" text="ID Number" textFill="#eeb752">

            <font>

                <Font size="15.0" />

            </font>

        </Label>

        <TextField fx:id="user_id" layoutX="138.0" layoutY="60.0" promptText="ID Number" />

        <Button fx:id="registerUser" layoutX="236.0" layoutY="241.0" mnemonicParsing="false"
onAction="#registerUser" style="-fx-background-color: #eeb752;" text="Register" />

        <Button fx:id="cancel" layoutX="311.0" layoutY="241.0" mnemonicParsing="false"
onAction="#cancelButton" style="-fx-background-color: #eeb752;" text="Cancel" />

        <Label layoutX="50.0" layoutY="109.0" text="Type of User" textFill="#eeb752">

            <font>

                <Font size="15.0" />

            </font>

```

```

        </font>

    </Label>

    <ChoiceBox fx:id="type_of_user" layoutX="143.0" layoutY="106.0" prefWidth="150.0" />

</children>

</AnchorPane>

</center>

<top>

    <AnchorPane prefHeight="95.0" prefWidth="600.0" style="-fx-background-color: #1e1e1e;"
    BorderPane.alignment="CENTER">

        <children>

            <Label layoutX="241.0" layoutY="81.0" text="Sign up - Admin View" textFill="#eeb752" />

            <ImageView fitHeight="81.0" fitWidth="120.0" layoutX="242.0" pickOnBounds="true" preserveRatio="true">

                <image>

                    <Image url="@../application/images/sceneslogo.png" />

                </image>

            </ImageView>

        </children>

    </AnchorPane>

</top>

</BorderPane>

```

Signup.fxml

```

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

<?import javafx.scene.control.Button?>

<?import javafx.scene.control.Label?>

<?import javafx.scene.control.PasswordField?>

<?import javafx.scene.control.TextField?>

<?import javafx.scene.image.Image?>

<?import javafx.scene.image.ImageView?>

<?import javafx.scene.layout.AnchorPane?>

<?import javafx.scene.layout.BorderPane?>

<?import javafx.scene.text.Font?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx" xmlns:fx="http://javafx.com/fxml"
fx:controller="controllers.signupController">

```

```

<center>

  <AnchorPane prefHeight="200.0" prefWidth="200.0" style="-fx-background-color: #1e1e1e;"
  BorderPane.alignment="CENTER">

    <children>

      <Label layoutX="154.0" layoutY="111.0" text="Username" textFill="#eeb752">

        <font>

          <Font size="15.0" />

        </font>

      </Label>

      <TextField fx:id="username" layoutX="231.0" layoutY="108.0" promptText="Username" />

      <Label layoutX="156.0" layoutY="148.0" text="Password" textFill="#eeb752">

        <font>

          <Font size="15.0" />

        </font>

      </Label>

      <PasswordField fx:id="password" layoutX="231.0" layoutY="145.0" promptText="Password" />

      <Label layoutX="166.0" layoutY="37.0" text="Name" textFill="#eeb752">

        <font>

          <Font size="15.0" />

        </font>

      </Label>

      <TextField fx:id="user_name" layoutX="231.0" layoutY="33.0" promptText="Name" />

      <Label layoutX="151.0" layoutY="76.0" text="ID Number" textFill="#eeb752">

        <font>

          <Font size="15.0" />

        </font>

      </Label>

      <TextField fx:id="user_id" layoutX="231.0" layoutY="72.0" promptText="ID Number" />

      <Button fx:id="registerUser" layoutX="231.0" layoutY="214.0" mnemonicParsing="false"
      onAction="#registerUser" style="-fx-background-color: #eeb752;" text="Register" />

      <Button fx:id="cancel" layoutX="306.0" layoutY="214.0" mnemonicParsing="false"
      onAction="#cancelButton" style="-fx-background-color: #eeb752;" text="Cancel" />

      <Label layoutX="278.0" text="Sign Up" textFill="#eeb752" />

    </children>

  </AnchorPane>

</center>

```

```
<top>

  <AnchorPane prefHeight="95.0" prefWidth="600.0" style="-fx-background-color: #1e1e1e;"
  BorderPane.alignment="CENTER">

    <children>

      <ImageView fitHeight="97.0" fitWidth="169.0" layoutX="231.0" pickOnBounds="true" preserveRatio="true">

        <image>

          <Image url="@../application/images/sceneslogo.png" />

        </image>

      </ImageView>

    </children>

  </AnchorPane>

</top>

</BorderPane>
```