Source Code

Dream Destinations Getaways

By Tiny Coders

Main View

Diagram

Description automatically generated

TravelVacation.java

package travelVacation;

import javafx.scene.image.Image;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Group;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

public class TravelVacation extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("TravelVacationFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("CIS 376");

stage.setScene(scene);

stage.show();

Image image = new Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

TravelVacationFXMLController.fxml

package travelVacation;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import java.util.logging.Level;

import java.util.logging.Logger;

import javafx.event.ActionEvent;

import javafx.event.EventHandler;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.scene.control.TextField;

import javafx.scene.image.Image;

import javafx.scene.image.ImageView;

import javafx.scene.input.MouseEvent;

import javafx.stage.Stage;

public class TravelVacationFXMLController implements Initializable {

@FXML

ImageView myImageView;

Image myImage = new Image(getClass().getResourceAsStream("Picture1.jpg"));

@FXML

private Button customerLogin;

@FXML

private Button admin;

@FXML

private Button signUp;

public void displayImage(){

myImageView.setImage(myImage);

}

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleAdminLogin(ActionEvent event) {

admin.setOnMouseClicked(new EventHandler<MouseEvent>(){

@Override

public void handle(MouseEvent t) {

try {

Parent homePage = FXMLLoader.load(getClass().getResource("UserManagement.fxml"));

Scene homeScene = new Scene(homePage);

} catch (IOException ex) {

Logger.getLogger(TravelVacationFXMLController.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

@FXML

private void handleCustomerLogin(ActionEvent event) {

customerLogin.setOnMouseClicked(new EventHandler<MouseEvent>(){

@Override

public void handle(MouseEvent t) {

Parent homePage;

try {

homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

} catch (IOException ex) {

Logger.getLogger(TravelVacationFXMLController.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

@FXML

private void handleSignUp(ActionEvent event) {

signUp.setOnMouseClicked(new EventHandler<MouseEvent>(){

@Override

public void handle(MouseEvent t) {

try {

Parent homePage = FXMLLoader.load(getClass().getResource("AccountRegistration.fxml"));

Scene homeScene = new Scene(homePage);

} catch (IOException ex) {

Logger.getLogger(TravelVacationFXMLController.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

}

Graphical user interface

Description automatically generated

Flight.java

package travelVacation;

import javafx.scene.image.Image;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Group;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

public class Flight extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("FlightFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("CIS 376");

stage.setScene(scene);

stage.show();

Image image = new Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

FlightFXMLController.fxml

package travelVacation;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.DatePicker;

import javafx.scene.control.TableView;

import javafx.scene.control.TextField;

import javafx.scene.image.ImageView;

import javafx.scene.input.DragEvent;

import javafx.scene.input.MouseDragEvent;

import javafx.scene.layout.AnchorPane;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class FlightFXMLController implements Initializable {

@FXML

private ImageView myImageView;

@FXML

private DatePicker departDate;

@FXML

private DatePicker returnDate;

@FXML

private TextField departCity;

@FXML

private TableView<?> flightSearchResults;

@FXML

private Button selectButton;

@FXML

private Button searchButton;

@FXML

private TextField arriveContient;

@FXML

private TextField arriveCountry;

@FXML

private TextField arriveCity;

@FXML

private TextField arriveState;

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

departDate.getText();

returnDate.getText();

departCity.getText();

arriveContient.getText();

arriveCountry.getText();

arriveCity.getText();

arriveState.getText();

}

@FXML

private void handleSelectButton(ActionEvent event) throws IOException{

Parent purchasePage = FXMLLoader.load(getClass().getResource("Purchase.fxml"));

}

@FXML

private void handleSearchButton(ActionEvent event) {

}

@FXML

private void handleHome(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleLogout(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("TravelVacation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

Diagram

Description automatically generated

Account Registration

AccountRegistrationFXMLController.java

package TravelFinal;

import java.io.IOException;

import java.net.URL;

import java.util.ArrayList;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.ChoiceBox;

import javafx.scene.control.Label;

import javafx.scene.control.TextField;

import javafx.scene.input.MouseEvent;

import javafx.stage.Stage;

public class AccountRegistrationFXMLController implements Initializable {

@FXML

private TextField firstName;

@FXML

private TextField lastName;

@FXML

private ChoiceBox<String> cardType = new ChoiceBox<String>();

@FXML

private TextField address;

@FXML

private TextField city;

@FXML

private TextField state;

@FXML

private TextField zip;

@FXML

private TextField creditCardNumber;

@FXML

private TextField expirationDate;

@FXML

private TextField billAddress;

@FXML

private TextField billCity;

@FXML

private TextField billState;

@FXML

private TextField billZip;

@FXML

private TextField username;

@FXML

private TextField password;

@FXML

private Button customerAccount;

@FXML

private Button adminAccount;

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleSubmit(MouseEvent event) throws IOException{

firstName.getText();

lastName.getText();

address.getText();

city.getText();

state.getText();

zip.getText();

creditCardNumber.getText();

expirationDate.getText();

billAddress.getText();

billCity.getText();

billState.getText();

billZip.getText();

username.getText();

password.getText();

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleCardType(MouseEvent event) {

cardType.getItems().addAll("Visa", "Mastercard", "Discover", "American Express");

}

class CardTypes{

private String card;

public void CardTypes(String card){

card = card;

}

public String toString(){

return card;

}

}

}

AccountRegistration.java

package TravelFinal;

import java.awt.Image;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

public class AccountRegistration extends Application {

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("AccountRegistrationFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Hello World");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

Graphical user interface

Description automatically generated

Purchase.java

package TravelFinal;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

public class Purchase extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("PurchaseFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

PurchaseFXMLController.java

package TravelFinal;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Label;

import javafx.scene.control.TableView;

import javafx.scene.layout.BorderPane;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class PurchaseFXMLController implements Initializable {

private ArrayList<Flight> flightList;

ArrayList<Hotel> hotels;

ArrayList<CarRentals> carRentals;

ArrayList<Reservations> reservationList;

private Label theLabel;

@FXML

private TableView<?> flightList;

@FXML

private TableView<?> packageList;

@FXML

private BorderPane total;

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

flightList.getFlights().get(flightList).getDepartDate().getReturnDate().getDepartLocation().getArriveLocation().getTotal();

carRentals.getCarRentals().get(carRentals).getArriveDate().gettDepartDate().getArriveLocation().getTotal();

hotels.getHotels().get(hotels).getArriveDate().getArriveDate().gettDepartDate().getArriveLocation().getTotal();

}

@FXML

private void handleAddOns(ActionEvent event) {

CarRentalTable flight = new CarRentalTable();

for (CarRentalTable c : CarRentalTableInformation.get CarRentalTableTableItems()) {

if(Reservation.getCarRentalTableID() == c.getCarRentalTableID()) {

carRental = c;

break;}}

routeBox.setValue(carRental.getArriveCity());

setDatePicker();

departureDatePicker.setValue(LocalDate.paresultse(carRental.getArriveDate()));

int price = getCarRentalPrice() + getHotelPrice();

}

@FXML

private void handlePurchase(ActionEvent event) throws IOException{

//Connect to third part processing site for payment verification, validation, etc

reservationList.getReservations().get(customer).getFlightID().getHotelID().getCarRentalID();

}

@FXML

private void handleHome(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleLogout(ActionEvent event) throws IOException{

//Logout

Parent homePage = FXMLLoader.load(getClass().getResource("TravelVacation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

Graphical user interface

Description automatically generated

UserManagement.java

package TravelFinal;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

public class UserManagement extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("UserManagementFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

UserManagemetFXMLController.java

package TravelFinal;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.TableView;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class UserManagementFXMLController implements Initializable {

@FXML

private TableView<?> alertTypeTable;

@FXML

private TableView<?> cancelRequestTable;

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleFlagAccount(ActionEvent event) {

}

@FXML

private void handleDeleteAccount(ActionEvent event) {

customer.deleteCustomer(customerID);

}

public static void **deleteCustomer**(Customer customer){

try{

s.executeUpdate("Delete Customer CustomerID = " + customer.getCustomerID() + ";");}

catch(Exception e){

e.printStackTrace();}}}

return CustomerTableItems;}

}

@FXML

private void handleUnlockAccount(ActionEvent event) {

}

@FXML

private void handleConfirm(ActionEvent button) {

button.setOnAction(new EventHandler<ActionEvent>() {

public void handle(ActionEvent event) {

gridPane.getChildren().clear();

new Reservations(gridPane);}});}

}

@FXML

private void handleDecline(ActionEvent event) {

}

@FXML

private void handlePrintLogs(ActionEvent event) {

}

@FXML

private void handleUpdateAccount(ActionEvent event) throws IOException{

//Move to Update Account

Parent homePage = FXMLLoader.load(getClass().getResource("UpdateAccountInformation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleLogout(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("TravelVacation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

A screenshot of an airplane

Description automatically generated with medium confidence

ContactUs.java

package TravelFinal;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

/\*\*

\*

\* @author airik

\*/

public class ContactUs extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("ContactUsFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

ContactUsControllerFXML.java

//Displays Contact Information and Allows user to go back to homepage if they select Home button, exit if they select exit button

package TravelFinal;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class ContactUsFXMLController implements Initializable {

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleHome(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

Graphical user interface, text, application

Description automatically generated with medium confidence

Help.java

package TravelFinal;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

/\*\*

\*

\* @author airik

\*/

public class Help extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("PurchaseFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

//Handle exit button

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

}

HelpFXMLController.java

//Displays Help information and takes user back to home if they click home button, exits if they click exit

package TravelFinal;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class HelpFXMLController implements Initializable {

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleHome(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

Graphical user interface

Description automatically generated

Update Account Information:

UpdateAccountFXMLController.java

package TravelLast;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Alert;

import javafx.scene.control.Button;

import javafx.scene.control.TableView;

import javafx.scene.control.TextField;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class UpdateAccountFXMLController implements Initializable {

@FXML

private TableView<?> currentAccountInformation;

@FXML

private TextField firstName;

@FXML

private TextField lastName;

@FXML

private TextField address;

@FXML

private TextField city;

@FXML

private TextField state;

@FXML

private TextField zip;

@FXML

private TextField billAddress;

@FXML

private TextField billCity;

@FXML

private TextField billState;

@FXML

private TextField billZip;

@FXML

private TextField creditCardNumber;

@FXML

private TextField expirationDate;

@FXML

private TextField cardType;

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleSubmit(ActionEvent event) throws IOException{

firstName.getText();

lastName.getText();

address.getText();

city.getText();

state.getText();

zip.getText();

creditCardNumber.getText();

expirationDate.getText();

billAddress.getText();

billCity.getText();

billState.getText();

billZip.getText();

cardType.getText();

if(isInt(zip, "You must enter a Valid Zip Code"));

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleLogout(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("TravelVacation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

private boolean isInt(TextField f, String msg){

try{

Integer.parseInt(f.getText());

return true;

}

catch(NumberFormatException e){

return false;

}

}

}

UpdateAccount.java

package TravelLast;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

/\*\*

\*

\* @author airik

\*/

public class UpdateAccount extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("PurchaseFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

}

public static void main(String[] args){

}

}

Graphical user interface

Description automatically generated

Reservations:

Reservation.java

package TravelLast;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

/\*\*

\*

\* @author airik

\*/

public class Reservation extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("PurchaseFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

}

public static void main(String[] args){

}

}

ReservationFXMLController.java

package TravelLast;

import java.io.IOException;

import java.net.URL;

import java.util.ArrayList;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.TableColumn;

import javafx.scene.control.TableView;

import javafx.scene.layout.ColumnConstraints;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class ReservationFXMLController implements Initializable {

ArrayList<Reservations> reservationList = new ArrayList<Reservations>();

@FXML

private TableView<?> currentReservations;

@FXML

private TableColumn<?, ?> firstName;

@FXML

private TableColumn<?, ?> lastName;

@FXML

private TableColumn<?, ?> departInfo;

@FXML

private TableColumn<?, ?> arriveInfo;

@FXML

private TableColumn<?, ?> packageInfo;

@FXML

private TableColumn<?, ?> total;

@FXML

private TableView<?> pastReservations;

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

currentReservations.getReservation();

firstName.getFirstName();

lastName.getLastName();

departInfo.getDepartInfo ();

arriveInfo.getArriveInfo ();

packageInfo.getPackageInfo ();

total.getTotal();

}

@FXML

private void handleHome(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("Home.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handlePrintPast(ActionEvent event) {

}

@FXML

private void handlePrintCurrent(ActionEvent event) {

}

@FXML

private void handleCancelCurrent(ActionEvent event) {

admin.requestCancel();

}

@FXML

private void handleLogout(ActionEvent event) throws IOException{

Parent homePage = FXMLLoader.load(getClass().getResource("TravelVacation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

private static ComboBox<String> customerBox;

private static ComboBox<String> routeBox;

private static DatePicker departureDatePicker;

private static Button addCustomer;

private static Button okButton;

private static Button cancelButton;

private static Label priceLabelObs;

private static boolean okPressed = false;

private static Reservation Reservation;

private static ReservationTable ReservationTable;

public static Reservation **getReservation**() { return Reservation;}

public static boolean **isOkPressed**() { return okPressed;}}

Graphical user interface, website

Description automatically generated

Customer Home Page:

HomeFXMLController.java

package TravelLast;

import java.io.IOException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.FXMLLoader;

import javafx.fxml.Initializable;

import javafx.scene.Node;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.stage.Stage;

/\*\*

\* FXML Controller class

\*

\* @author airik

\*/

public class HomeFXMLController implements Initializable {

/\*\*

\* Initializes the controller class.

\*/

@Override

public void initialize(URL url, ResourceBundle rb) {

// TODO

}

@FXML

private void handleContactUs(ActionEvent event) throws IOException{

//Move to Contact Us Controller and Page

Parent homePage = FXMLLoader.load(getClass().getResource("ContactUs.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleReservation(ActionEvent event) throws IOException{

//Move to Reservation Controller and Page

Parent homePage = FXMLLoader.load(getClass().getResource("Reservation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleFlightSearch(ActionEvent event) throws IOException {

//Move to Flight Search Controller and Page

Parent homePage = FXMLLoader.load(getClass().getResource("FlightSearch.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handlePurchase(ActionEvent event) throws IOException{

//Move to Purchase Controller and Page

Parent homePage = FXMLLoader.load(getClass().getResource("Purchase.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleLogout(ActionEvent event) throws IOException{

//Logout

Parent homePage = FXMLLoader.load(getClass().getResource("TravelVacation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleHelp(ActionEvent event) throws IOException{

//Move to Help Controller and Page

Parent homePage = FXMLLoader.load(getClass().getResource("Help.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

@FXML

private void handleAccountUpdate(ActionEvent event) throws IOException{

//Move to Update Account Information Controller and Page

Parent homePage = FXMLLoader.load(getClass().getResource("UpdateAccountInformation.fxml"));

Scene homeScene = new Scene(homePage);

Stage stage = (Stage)((Node)event.getSource()).getScene().getWindow();

stage.setScene(homeScene);

stage.show();

}

}

(mainView)

Home.java

package TravelLast;

import javafx.application.Application;

import javafx.fxml.FXMLLoader;

import javafx.scene.Parent;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.image.ImageView;

import javafx.stage.Stage;

/\*\*

\*

\* @author airik

\*/

public class Home extends Application{

@Override

public void start(Stage stage) throws Exception {

Parent root = FXMLLoader.load(getClass().getResource("HomeFXML.fxml"));

Scene scene = new Scene(root);

stage.setTitle("Purchase");

stage.setScene(scene);

stage.show();

javafx.scene.image.Image image = new javafx.scene.image.Image("file:Picture1.jpg");

ImageView mv = new ImageView(image);

mv.setImage(image);

Button btnClose = new Button();

btnClose.setOnAction(e->stage.close());

}

public static void main(String[] args){

launch(args);

}

ADMIN:

admin.java

package TravelFinal;

/\*\*

\*

\* @author airik

\*/

public class Admin {

private int adminID;

private String firstName;

private String lastName;

private String password;

public Admin() {}

public Admin(int adminID, String firstName, String lastName, String password) {

this.adminID = adminID;

this.firstName = firstName;

this.lastName = lastName;

this.password = password;}

public int getAdminID() { return adminID;}

public void setAdminID(int adminID) { this.adminID = adminID;}

public String getFirstName() { return firstName;}

public void setFirstName(String firstName) { this.firstName = firstName;}

public String getLastName() { return lastName;}

public void setLastName(String lastName) { this.lastName = lastName;}

public String getPassword() { return password;}

public void setPassword(String password) { this.password = password;}

}

Airline.java

package TravelFinal;

/\*\*

\*

\* @author airik

\*/

public class Airline {

private int airlineID;

private String departCity;

private String arrivalCity;

public Airline(){ }

public Airline(int airlineID, String departCity, String arrivalCity){

this.airlineID = airlineID;

this.departCity = departCity;

this.arrivalCity = arrivalCity;}

public int getAirlineID() { return airlineID;}

public void setAirlineID(int airlineID) { this.airlineID = airlineID;}

public String getDepartCity() { return departCity;}

public void setDepartCity(String departCity) { this.departCity =departCity;}

public String getArrivalCity() { return arrivalCity;}

public void setArrivalCity(String arrivalCity) { this.arrivalCity = arrivalCity;}

}

Customer.java

package TravelFinal;

import java.time.format.DateTimeFormatter;

import javafx.beans.property.IntegerProperty;

import javafx.beans.property.SimpleIntegerProperty;

import javafx.beans.property.SimpleStringProperty;

import javafx.beans.property.StringProperty;

import javafx.collections.FXCollections;

import javafx.collections.ObservableList;

/\*\*

\*

\* @author airik

\*/

public class Customer {

private int customerID;

private String firstName;

private String lastName;

private String address;

private String city;

private String state;

private int zip;

private int creditCardNumber;

private int expirationDate;

private String billAddress;

private String billCity;

private String billState;

private int billZip;

public Customer() {

}

public Customer( int customerID, String firstName, String lastName, String address, String city, String state, int zip, int creditCardNumber, int expirationDate, String billAddress, String billCity, String billState, int billZip){

this.customerID = customerID;

this.firstName = firstName;

this.lastName = lastName;

this.address = address;

this.city= city;

this.state= state;

this.zip =zip;

this.creditCardNumber = creditCardNumber;

this.expirationDate = expirationDate;

this.billAddress= billAddress;

this.billCity= billCity;

this.billState= billState;

this.billZip = billZip;

}

public int getCustomerID() {return customerID;}

public void setCustomerID(int customerID) { this.customerID = customerID;}

public String getFirstName() { return firstName;}

public void setFirstName(String firstName) { this.firstName = firstName;}

public String getLastName() { return lastName;}

public void setLastName(String lastName) { this.lastName = lastName;}

public String getAddress() { return address;}

public void setAddress(String address) { this.address = address;}

public String getCity() { return city;}

public void setCity(String city) { this.city = city;}

public String getState() { return state;}

public void setState(String state) { this.state = state;}

public int getZip() { return zip;}

public void setZip(int zip) { this.zip = zip;}

public int getCreditCardNumber() { return creditCardNumber;}

public void setCreditCardNumber(int creditCardNumber) { this.creditCardNumber = creditCardNumber;}

public int getExpirationDate() { return expirationDate;}

public void setExpirationDate(int expirationDate) { this.expirationDate = expirationDate;}

public String getBillAddress() { return billAddress;}

public void setBillAddress(String billAddress) { this.billAddress = billAddress;}

public String getBillCity() { return billCity;}

public void setBillCity(String billCity) { this.billCity = billCity;}

public String getBillState() { return billState;}

public void setBillState(String billState) { this.billState = billState;}

public int getBillZip() { return billZip;}

public void setBillZip(int billZip) { this.billZip = billZip;}

}

//To hold information displayed in the flight table

FlightTable.java

package TravelFinal;

/\*\*

\*

\* @author airik

\*/

public class FlightTable {

private int flightID;

private String departDate;

private String departCity;

private String arrivalCity;

private Double price;

public FlightTable() {}

public FlightTable(String departDate, String departCity, String arrivalCity, double price, int flightID, int economyLeft, int coachLeft, int firstClassLeft){

this.departDate = departDate;

this.departCity = departCity;

this.arrivalCity = arrivalCity;

this.price = price;

this.flightID = flightID;}

public int getFlightID() { return flightID;}

public void setFlightID(int flightID) { this.flightID = flightID;}

public String getDepartDate() { return departDate;}

public void setDepartDate(String departDate) { this.departDate = departDate;}

public String getDepartCity() { return departCity;}

public void setDepartCity(String departCity) { this.departCity = departCity;}

public String getArrivalCity() { return arrivalCity;}

public void setArrivalCity(String arrivalCity) { this.arrivalCity = arrivalCity;}

public double getPrice() { return price;}

public void setPrice(double price) { this.price = price;}

}

//To hold information to connect the the database

InformationConnection.java

package TravelFinal;

import com.sun.jdi.connect.spi.Connection;

/\*\*

\*

\* @author airik

\*/

class InformationConnection {

private static Connection connection;

private static String JDBCDRIVER = "com.mysql.jdbc.Driver";

private static final String INFORMATIONBASE\_URL = "jdbc:mysql://localhost:376/MyVacation?autoReconnect=true&useSSL=false";

private static String userName = UserPersonal.getUserName();

private static String password = UserPersonal.getPassword();

public static void connect() {

try {

Class.forName(JDBCDRIVER);

connection = DriverManager.getConnection(INFORMATIONBASE\_URL, userName, password);

System.out.println("Informationbase connection success");}

catch (Exception e) {

e.printStackTrace();

System.out.println("ERROR WITH CONNECTION");}}

public static Connection getConnection() { return connection;}

}

//To hold reservation information to be accessed by database

Reservation.java

package TravelFinal;

/\*\*

\*

\* @author airik

\*/

public class Reservation {

private int ReservationID;

private int customerID;

private int flightID;

private int hotelID;

private int carRentalID;

public Reservation() {

}

public Reservation(int ReservationID, int customerID, int flightID,int hotelID, int carRentalID) {

this.ReservationID = ReservationID;

this.customerID = customerID;

this.flightID = flightID;

this. hotelID = hotelID;

this. carRentalID = carRentalID;

}

public int getReservationID() { return ReservationID;}

public void setReservationID(int ReservationID) { this.ReservationID = ReservationID;}

public int getCustomerID() { return customerID;}

public void setCustomerID(int customerID) { this.customerID = customerID;}

public int getFlightID() { return flightID;}

public void setFlightID(int flightID) { this.flightID = flightID;}

public int getHotelID() { return hotelID;}

public void setHotelID(int hotelID) { this. hotelID = hotelID;}

public int getCarRentalID() { return carRentalID;}

public void setCarRentalID(int flightID) { this. carRentalID = carRentalID;}

}

ReservationTable.java

package TravelFinal;

/\*\*

\*

\* @author airik

\*/

public class ReservationTable {

private int ReservationID;

private String departDate;

private String route;

private String customer;

public ReservationTable() {}

public ReservationTable(int ReservationID, String departDate, String route, String customer) {

this.ReservationID = ReservationID;

this.departDate = departDate;

this.route = route;

this.customer = customer;}

public int getReservationID() { return ReservationID;}

public void setReservationID(int ReservationID) { this.ReservationID = ReservationID;}

public String getDepartDate() { return departDate;}

public void setDepartDate(String departDate) { this.departDate = departDate; }

public String getRoute() { return route;}

public void setRoute(String route) { this.route = route;}

public String getCustomer() { return customer;}

public void setCustomer(String customer) { this.customer = customer; }

}

//To hold Flight schedules accessed by databaxe

Schedule.java

package TravelFinal;

import java.util.Date;

/\*\*

\*

\* @author airik

\*/

public class Schedule {

private int scheduleID;

private Date departDate;

private String departTime;

private Date arrivalDate;

private String arrivalTime;

public Schedule(){

departDate = new Date();

arrivalDate = new Date();

departTime = "5:00";

arrivalTime = "9:00";}

public Schedule(int scheduleID, Date departDate, String departTime, Date arrivalDate, String arrivalTime) {

this.scheduleID = scheduleID;

this.departDate = departDate;

this.departTime = departTime;

this.arrivalDate = arrivalDate;

this.arrivalTime = arrivalTime;}

public int getScheduleID() { return scheduleID;}

public void setScheduleID(int scheduleID) { this.scheduleID = scheduleID;}

public Date getDepartDate() { return departDate;}

public void setDepartDate(Date departDate) { this.departDate = departDate;}

public String getDepartTime() { return departTime;}

public void setDepartTime(String departTime) { this.departTime = departTime;}

public Date getArrivalDate() { return arrivalDate;}

public void setArrivalDate(Date arrivalDate) { this.arrivalDate = arrivalDate;}

public String getArrivalTime() { return arrivalTime;}

public void setArrivalTime(String arrivalTime) { this.arrivalTime = arrivalTime;}

}

//To hold usernames and passwords in database

UserPersonal.java

package TravelFinal;

/\*\*

\*

\* @author airik

\*/

class UserPersonal {

private static String userName = "user";

private static String password = "1234";

public static String getUserName() { return userName;}

public static String getPassword() { return password;}

}

//To hold flight information accessed by database

FlightInformation.java

package TravelFinal;

import javafx.collections.FXCollections;

import javafx.collections.ObservableList;

/\*\*

\*

\* @author airik

\*/

public class FlightInformation {

private static Statement s;

private static ObservableList<Flight> flights;

public static ObservableList<Flight> getFlight(){

flights = FXCollections.observableArrayList();

try{

s = InformationConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("SELECT flight");

if(results != null)

while (results.next()) {

Flight flight = new Flight();

flight.setFlightID(results.getInt(1));

flight.setPlaneID(results.getInt(2));

flight.setAirlineID(results.getInt(3));

flight.setScheduleID(results.getInt(4));

flight.setPrice(results.getDouble(8));

flights.add(flight);}}

catch(Exception e){

e.printStackTrace();}

return flights;}

public static void insertFlight(Flight flight){

try{

s.executeUpdate("INSERT INTO flight VALUE(default, " + flight.getPlaneID() + ", " + flight.getAirlineID() + ", " + flight.getScheduleID() + ", " , " + flight.getPrice() +");");}

catch(Exception e){

e.printStackTrace();}}

public static void updateFlight(Flight flight){

try{

s.executeUpdate("UPDATE flight SET planeID = "+flight.getPlaneID()+", scheduleID = "+flight.getScheduleID()+", airlineID = "+flight.getAirlineID() +flight.getPrice()+" WHERE flightID = "+flight.getFlightID()+ ";");}

catch(Exception e){

e.printStackTrace();}

}

//server side

Customer.java

public class **Customer** {

private static Statement s;

private static ObservableList<Customer> customerInfo;

public static ObservableList<Customer> getCustomerInfo(){

customerInfo = FXCollections.observableArrayList();

try{

s = InformationConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("SELECT customer");

if(results != null)

while (results.next()) {

Customer customer = new Customer();

customer.setCustomerID(results.getInt(1));

customer.setFirstName(results.getString(2));

customer.setLastName(results.getString(3));

customer.setAddress(results.getString(4));

customer.setCity(results.getString(5));

customer.setState(results.getString(6));

customer.setZip(results.getInt(7));

customer.setCreditCardNumber(results.getInt(8));

customer.setExpirationDate(results.getInt(9));

customer.setCardType(results.getString(10));

customer.setBillAddress(results.getString( (11));

customer.setBillCity(results.getString(12));

customer.setBillState(results.getString(13));

customer.setBillZip(results.getInt(14));

customerInfo.add(customer);}}

catch(Exception e){

e.printStackTrace();}

return customerInfo;

}

public static void **insertCustomer**(Customer customer){

try{

s.executeUpdate("Insert customer VALUE(default, '" + customer.getFirstName() + "', '" + customer.getLastName() + "' , '" + customer.getAddress() + "', '" + customer.getCity() + "', '" + customer.getState() + "', '" + customer.getZip() + "', '" + customer.getCreditCardNumber () + "', '" + customer.getExpirationDate() + "', '" + customer.getCardType() + "', '" + customer.getBillAddress() + "', '" + customer.getBillCity () + "', '" + customer.getBillState() + "', '" + customer.getBillZip() + "'');");

customerInfo.add(customer);

customer.setCustomerID(customerInfo.indexOf(customer) + 1);}

catch(Exception e){

e.printStackTrace();}}

public static void **updateCustomer**(Customer customer){

try{

s.executeUpdate("Update customer set firstName = '" + customer.getFirstName() + "', '" + customer.getLastName() + "' , '" + customer.getAddress() + "', '" + customer.getCity() + "', '" + customer.getState() + "', '" + customer.getZip() + "', '" + customer.getCreditCardNumber () + "', '" + customer.getExpirationDate() + "', '" + customer.getCardType() + "', '" + customer.getBillAddress() + "', '" + customer.getBillCity () + "', '" + customer.getBillState() + "', '" + customer.getBillZip() + "' Where customerID = " + customer.getCustomerID() + ";");

customerInfo.set(customer.getCustomerID() - 1, customer);}

catch(Exception e){

e.printStackTrace();}}}

//server side

ReservationInformation.java

public class **ReservationInformation** {

private static Statement s;

private static ObservableList<Reservation> reservation;

public static ObservableList<Reservation> **getReservations**(){

reservation = FXCollections.observableArrayList();

try{

s = InformationConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("Select Reservation");

if(results != null)

while (results.next()) {

reservation Reservation = new Reservation();

reservation.setReservationID(results.getInt(1));

reservation.setCustomerID(results.getInt(2));

reservation.setFlightID(results.getInt(3));

reservation.setCarRentalID(results.getInt(4));

reservation.setHotelID(results.getInt(5));

reservation.add(reservation);}}

catch(Exception e){

e.printStackTrace();}

return reservation;}

public static void **insertReservation**(Reservation reservation){

try{

s.executeUpdate("Insert Reservation VALUE(default, " + reservation.getCustomerID() + ", " + reservation ervation.getFlightID() + ", '" + reservation.getCarRentalID() ", '" + reservation.getHotelID() + "');");}

catch(Exception e){

e.printStackTrace();}}

public static void **updateReservation**(Reservation reservation){

try{

s.executeUpdate("UPDATE Reservation customerID = " + reservation.getCustomerID() + ", flightID = " + reservation.getFlightID() + reservation.getCarRentalID() ", '" + reservation.getHotelID() + "' Where ReservationID = " + reservation.getReservationID() + ";" );}

catch(Exception e){

e.printStackTrace();}}

public static void **deleteReservation**(Reservation reservation){

try{

s.executeUpdate("Delete Reservation ReservationID = " + reservation.getReservationID() + ";");}

catch(Exception e){

e.printStackTrace();}}}

return ReservationTableItems;}}

//Admin Information Server Side

public class **Admin**{

private static Statement s;

private static ArrayList<Admin> adminUser;

public static ArrayList<Admin> **getAdmin**(){

adminUser = new ArrayList<>();

try{

s = InformationConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("SELECT admin");

if(results != null)

while (results.next()) {

Admin admin = new Admin();

admin.setAdminID(results.getInt(1));

admin.setFirstName(results.getString(2));

admin.setLastName(results.getString(3));

admin.setPassword(results.getString(4));

adminUser.add(admin);}}

catch(Exception e){

e.printStackTrace();}

return adminUser;}}

//Airline Information Server Side

public class **AirlineInformation** {

private static Statement s;

private static ObservableList<Airline> airlines;

public static ObservableList<Airline> **getAirlines**(){

airlines = FXCollections.observableArrayList();

try{

s = InformationConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("Select Airline");

if(results != null)

while (results.next()) {

Airline airline = new Airline();

airline.setAirlineID(results.getInt(1));

airline.setDepartureCity(results.getString(2));

airline.setArrivalCity(results.getString(3));

airlines.add(airline);}}

catch(Exception e){

e.printStackTrace();}

return airlines;}}

//Hotel Information Server Side

public class **HotelInformation**{

private static Statement s;

private static ObservableList<Hotel> hotels;

public static ObservableList<Hotel> **getHotels**(){

hotels = FXCollections.observableArrayList();

try{

s = InformationConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("Select Hotel");

if(results != null)

while (results.next()) {

Hotel hotel = new Hotel();

hotel.setHotelID(results.getInt(1));

hotel.setHotelCity(results.getString(2));

hotel.add(hotel);}}

catch(Exception e){

e.printStackTrace();}

return hotels;}}

//CarRental Information Server Side

public class **CarRentalInformation**{

private static Statement s;

private static ObservableList<CarRental> carRentals;

public static ObservableList< CarRental > **getCarRentals**(){

carRentals = FXCollections.observableArrayList();

try{

s = DataConnection.getConnection().createStatement();

ResultSet results = s.executeQuery("Select Car Rental");

if(results != null)

while (results.next()) {

CarRental carRental = new CarRental();

carRental.setCarRentalID(results.getInt(1));

carRental.setCarRentalCity(results.getString(2));

carRental.add(carRental);}}

catch(Exception e){

e.printStackTrace();}

return carRentals;}}

//User Data Lists for access

UserData.java

//To get and hold information that will go into the database server

package TravelLast;

import java.util.ArrayList;

/\*\*

\*

\* @author airik

\*/

public class UserData {

private ArrayList<User> userList;

private ArrayList<Admin> adminList;

private ArrayList<Customer> customerList;

public UserData(){}

public void initializeLists(){

this.userList = new ArrayList<User>();

this.adminList = new ArrayList<Admin>();

this.customerList = new ArrayList<Customer>();

}

public ArrayList<User> getUserList(){

return userList;

}

//Get User by username

public User getUser(String username) throws Exception{

for(int i = 0; i < userList.size(); i++){

if(username.equals(userList.get(i).getUsername())){

return userList.get(i);

}

}

return null;

}

public ArrayList<Admin> getAdminList(){

return adminList;

}

public ArrayList<Customer> getCustomerList(){

return customerList;

}

public void addAdmin(Admin admin){

adminList.add(admin);

}

public void addCustomer(Customer customer){

customerList.add(customer);

}

}

Reservations.java

package TravelLast;

import java.util.ArrayList;

/\*\*

\*

\* @author airik

\*/

public class Reservations {

ArrayList<Reservations> reservationList;

ArrayList<Flight> flights;

ArrayList<Hotel> hotels;

ArrayList<CarRentals> carRentals;

ArrayList<Customer> customer;

String name;

public Reservations(ArrayList<Customer> customer, String name, ArrayList<Flight> flights, ArrayList<Hotel> hotels, ArrayList<CarRentals> carRentals ){

this.customer = customer;

this.flights = flights;

this.hotels = hotels;

this.carRentals = carRentals;

this.customer = customer;

this.name = name;

}

public String getName(){

return name;

}

public ArrayList<Customer> getCustomers(){

return customer;

}

public ArrayList<Flight> getFlights(){

return flights;

}

public ArrayList<Hotel> getHotels(){

return hotels;

}

public ArrayList<CarRentals> getCarRentals(){

return carRentals;

}

public void setName(String name){

this.name = name;

}

public void setCustomer(ArrayList<Customer> customer){

this.customer = customer;

}

public void setFlights(ArrayList<Flight> flights){

this.flights = flights;

}

public void setHotel(ArrayList<Hotel> hotels){

this.hotels = hotels;

}

public void setCarRentals(ArrayList<CarRentals> carRentals){

this.carRentals = carRentals;

}

}