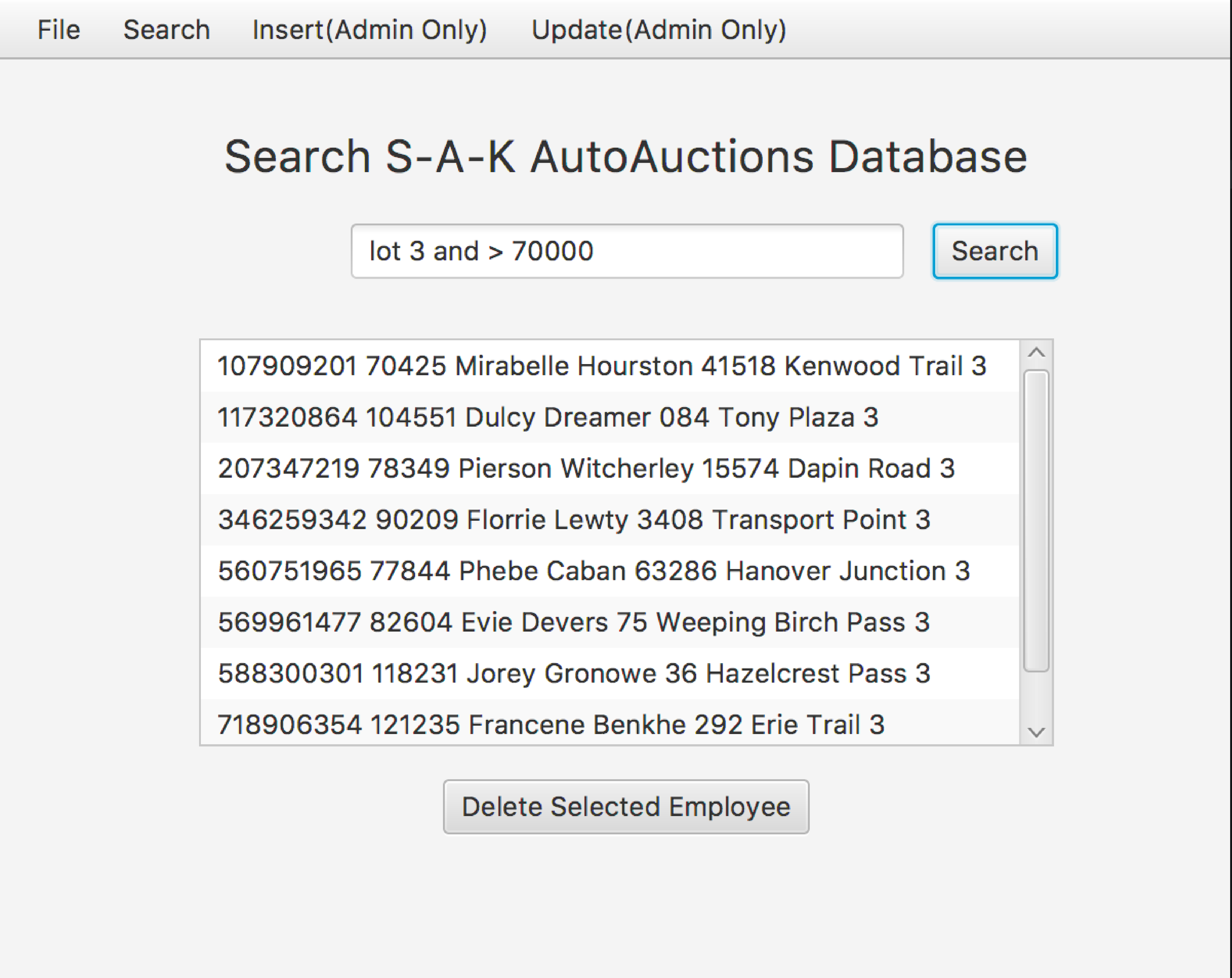
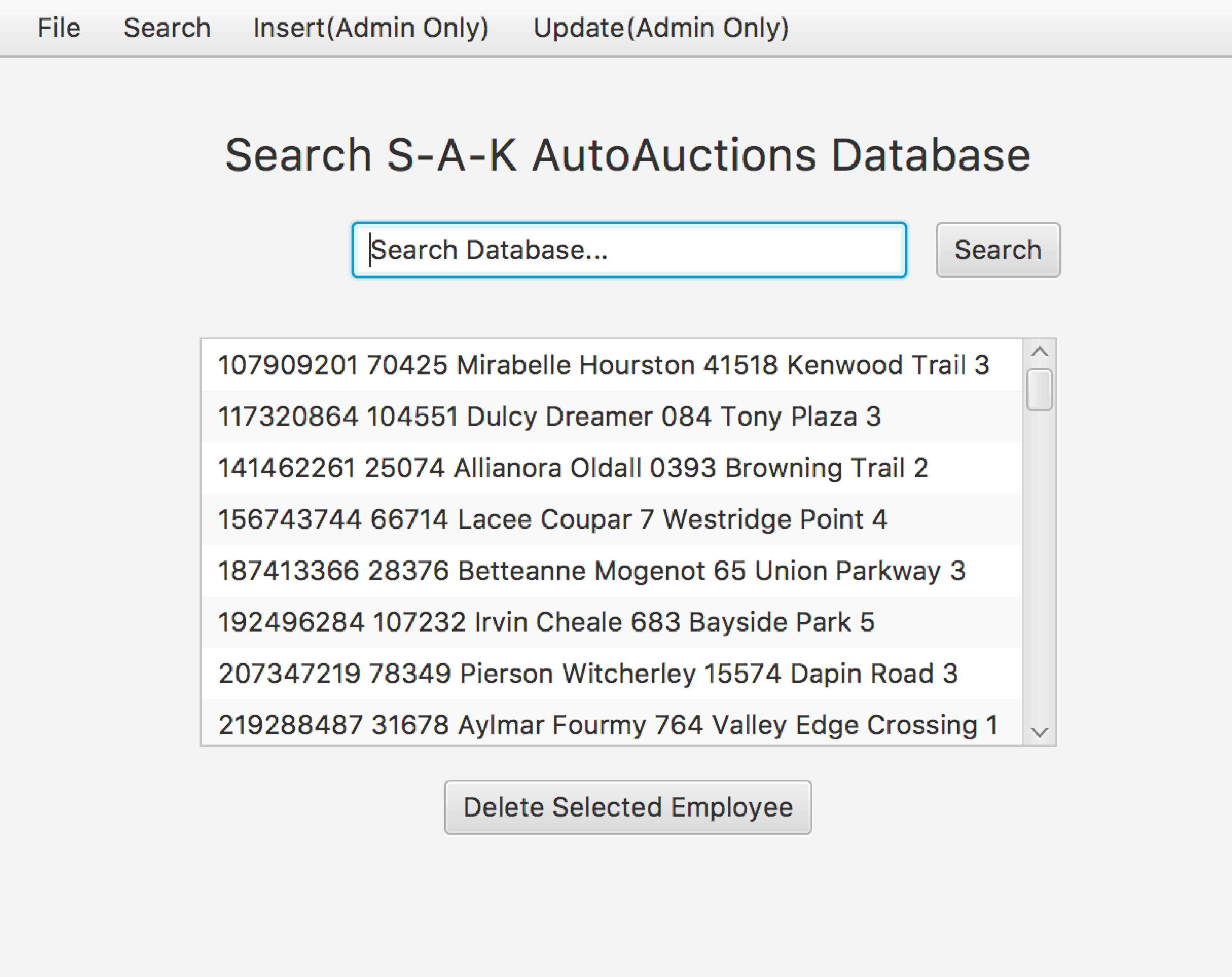


Search S-A-K AutoAuctions Database

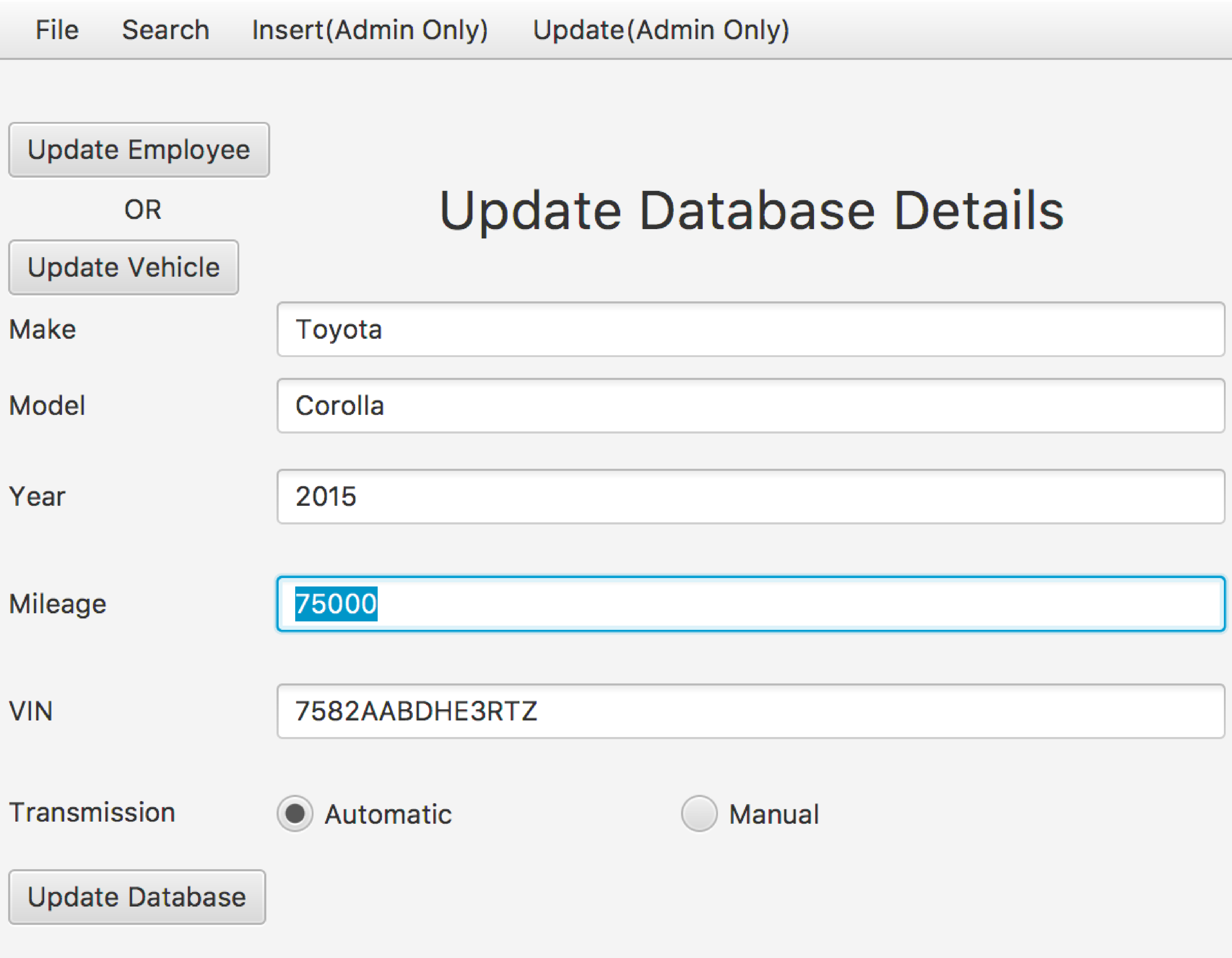
lot 3 and > 70000

```
107909201 70425 Mirabelle Hourston 41518 Kenwood Trail 3
117320864 104551 Dulcy Dreamer 084 Tony Plaza 3
207347219 78349 Pierson Witcherley 15574 Dapin Road 3
346259342 90209 Florrie Lewty 3408 Transport Point 3
560751965 77844 Phebe Caban 63286 Hanover Junction 3
569961477 82604 Evie Devers 75 Weeping Birch Pass 3
588300301 118231 Jorey Gronowe 36 Hazelcrest Pass 3
718906354 121235 Francene Benkhe 292 Erie Trail 3
```



Search S-A-K AutoAuctions Database

107909201 70425 Mirabelle Hourston 41518 Kenwood Trail 3
117320864 104551 Dulcy Dreamer 084 Tony Plaza 3
141462261 25074 Allianora Oldall 0393 Browning Trail 2
156743744 66714 Lacee Coupar 7 Westridge Point 4
187413366 28376 Betteanne Mogenot 65 Union Parkway 3
192496284 107232 Irvin Cheale 683 Bayside Park 5
207347219 78349 Pierson Witcherley 15574 Dapin Road 3
219288487 31678 Aylmar Fourmy 764 Valley Edge Crossing 1



Update Database Details

Make: Toyota

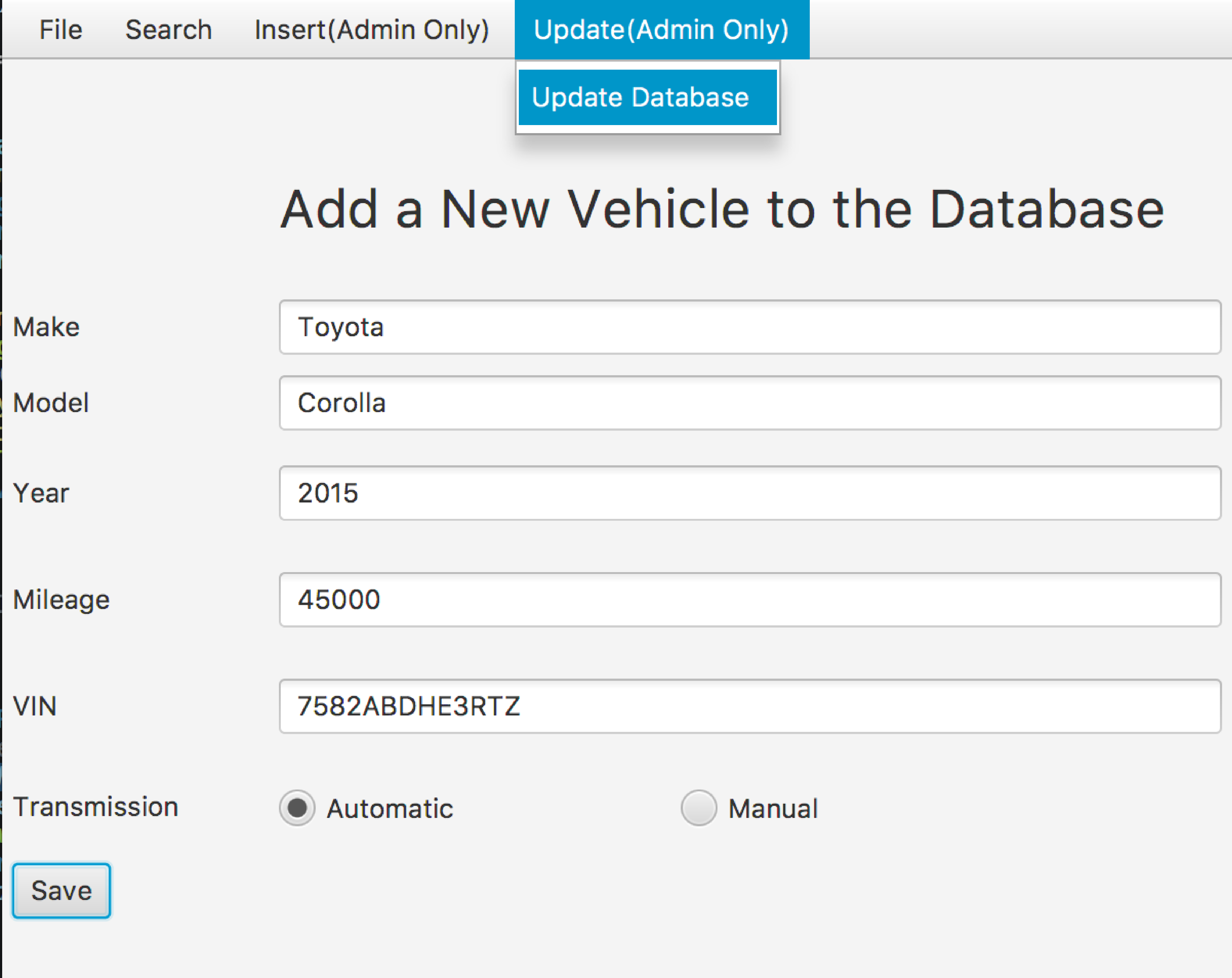
Model: Corolla

Year: 2015

Mileage: 75000

VIN: 7582AABDHE3RTZ

Transmission ● Automatic ○ Manual



Add a New Vehicle to the Database

Make: Toyota

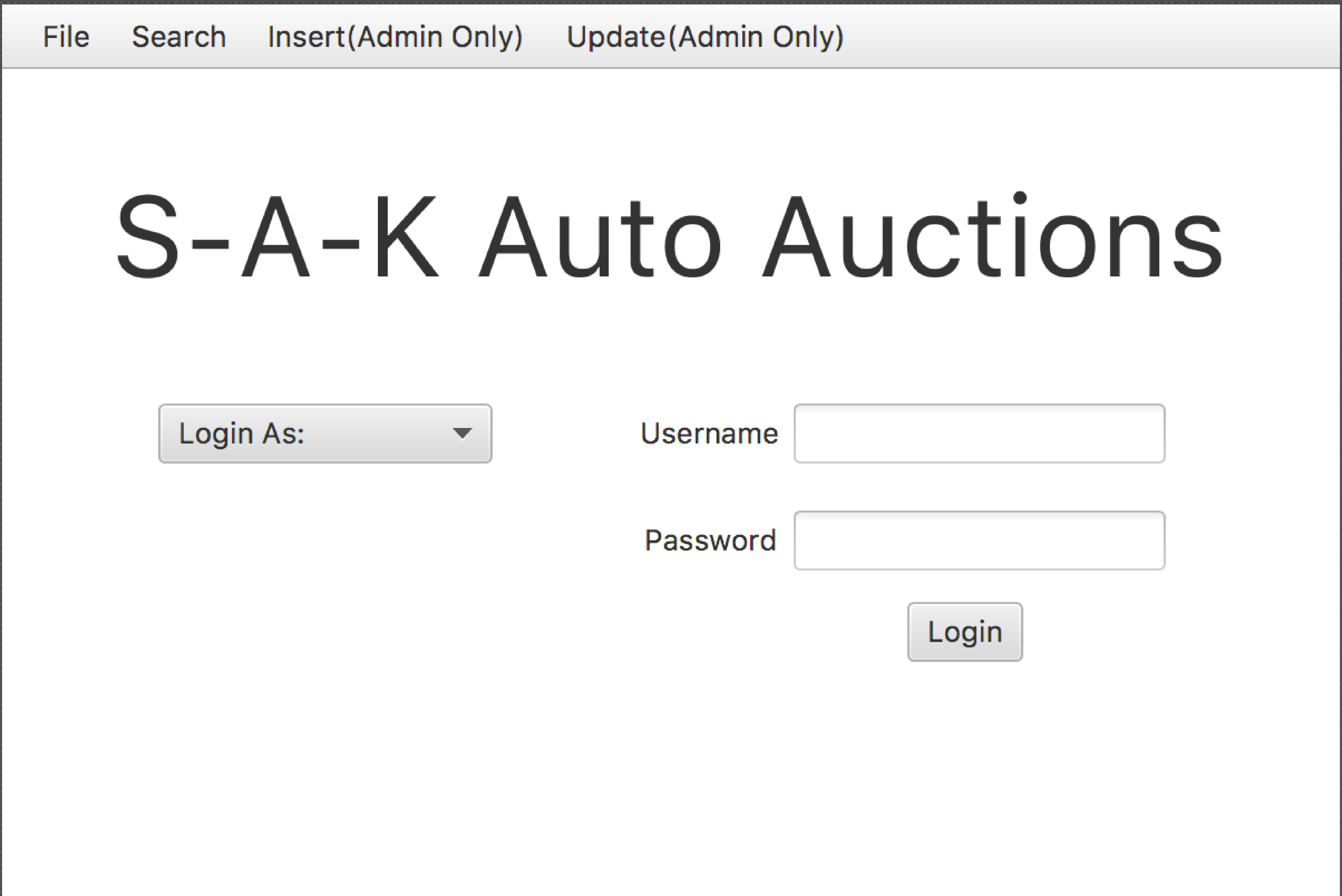
Model: Corolla

Year: 2015

Mileage: 45000

VIN: 7582ABDHE3RTZ

Transmission: ● Automatic ○ Manual


File
Search
Insert(Admin Only)
Update(Admin Only)
S-A-K Auto Auctions
Login As:
Username
Password
Login

Scottland Underwood
Keegan Knisely
Andrew Sneed

CS 3743 Project Source Code

```
package gateway;

import java.sql.Connection;

import java.sql.Date;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Timestamp;
import java.time.LocalDate;
import java.util.ArrayList;
import java.util.List;

import controller.MainController;
import controller.ViewType;
import javafx.collections.FXCollections;
import javafx.collections.ObservableList;
import model.Employee;

import model.Vehicle;

public class AuctionTableGateway {
private static AuctionTableGateway instance = null;

        private Connection connection;

        private AuctionTableGateway() {

        }

        public static AuctionTableGateway getInstance() {
                if(instance == null) {
                        instance = new AuctionTableGateway();
                }

                return instance;
        }

        public Connection getConnection() {
                return connection;
        }
        public void setConnection(Connection connection) {
                this.connection = connection;
        }


        public static void setInstance(AuctionTableGateway instance) {
                AuctionTableGateway.instance = instance;
        }

        @SuppressWarnings("finally")
        public List<Employee> fetchEmployees(int flag)
        {
                List<Employee> employeeList = new
ArrayList<Employee>();

                PreparedStatement ps = null;
                ResultSet rs = null;
                String query = null;
                if (flag == 1)
                {
                        query = "SELECT * from Employee where
e_lot_number = '3' and salary > 70000";
                }
                if (flag == 0)
                {
                        query = "SELECT * from Employee";
                }
                try {
                ps = connection.prepareStatement(query);
                //ps.setInt(1, book.getId());
                rs = ps.executeQuery();

                        while(rs.next())
                        {
                                Employee employee = new
Employee(null, null, 0, null, 0);

employee.setSsn(rs.getString("ssn"));

employee.setSalary(rs.getInt("salary"));

employee.setName(rs.getString("name"));

employee.setAddress(rs.getString("address"));

employee.setLotnumber(rs.getInt("e_lot_number"));
                                employeeList.add(employee);

                        }
                } catch (SQLException e) {
                        // TODO Auto-generated catch block
                        e.printStackTrace();
                } finally {
                try {
                        if(rs != null)
                                rs.close();
                        if(ps != null)
                                ps.close();
                } catch (SQLException e) {
                        // TODO Auto-generated catch block
                        e.printStackTrace();
                }

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

System.out.println(employeeList.get(i).toString());
                }
                }

                return employeeList;


        }
        public void insertVehicle(Vehicle vehicle) throws SQLException
{
                String query = "insert into Auction_Automobile (vin,
make, model, year, mileage)" + " values (?,?,?,?,?)";

                System.out.println(vehicle.toString());
                PreparedStatement ps =
connection.prepareStatement(query,
PreparedStatement.RETURN_GENERATED_KEYS);
                ps.setString(1, vehicle.getVin());
                ps.setString(2, vehicle.getMake());
                ps.setString(3, vehicle.getModel());
                ps.setInt(4, vehicle.getYear());
                ps.setInt(5, vehicle.getMileage());
                ps.executeUpdate();

                ResultSet rs = ps.getGeneratedKeys();
                rs.next();
        }

        public void updateVehicle(Vehicle vehicle) throws SQLException
        {
                String query = "update Auction_Automobile "
                                + "set make = ? "
                                + "set model = ? "
                                + "set year = ? "
                                + "set mileage = ?"
                                + "where vin = ?";
                PreparedStatement ps = null;
                try {
                        ps = connection.prepareStatement(query,
PreparedStatement.RETURN_GENERATED_KEYS);
                } catch (SQLException e) {
                        // TODO Auto-generated catch block
                        e.printStackTrace();
                }
                ps.setString(5, vehicle.getVin());
                ps.setString(1, vehicle.getMake());
                ps.setString(2, vehicle.getModel());
                ps.setInt(3, vehicle.getYear());
                ps.setInt(4, vehicle.getMileage());

                ps.executeUpdate();

        }
}
------------------------------------------------------
package model;

public class Employee {
        private String ssn;
        private int salary;
        private String name;
        private String address;
        private int lotnumber;


        public Employee(String ssn, String name, int salary, String
address, int lotnumber)
        {
                this.ssn = ssn;
                this.salary =  salary;
                this.name = name;
                this.address = address;
                this.lotnumber = lotnumber;

        }


        public String toString()
        {
                return this.ssn +  " " + this.salary + " "+ this.name
+ " " + this.address + " " + this.lotnumber;
        }
        public String getSsn() {
                return ssn;
        }


        public void setSsn(String ssn) {
                this.ssn = ssn;
        }


        public int getSalary() {
                return salary;
        }


        public void setSalary(int salary) {
                this.salary = salary;
        }


        public String getName() {
                return name;
        }


        public void setName(String name) {
                this.name = name;
        }


        public String getAddress() {
                return address;
        }


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


        public int getLotnumber() {
                return lotnumber;
        }


        public void setLotnumber(int lotnumber) {
                this.lotnumber = lotnumber;
        }

}
```

```
---------------------------------------------------------
package controller;

import java.net.URL;
import java.sql.SQLException;
import java.util.List;
import java.util.ResourceBundle;

import gateway.AuctionTableGateway;
import javafx.collections.FXCollections;
import javafx.collections.ObservableList;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.Initializable;
import javafx.scene.control.Button;
import javafx.scene.control.ListView;
import javafx.scene.control.TextField;

import model.Employee;

public class SearchController implements MyController, Initializable {


        private @FXML ListView<Employee> empList;
        List<Employee> employeeList;
        @FXML Button searchButton;
        @FXML TextField searchBox;

        public void runsearch(ActionEvent event)
        {
                ObservableList<Employee> list =
FXCollections.observableArrayList();
                List<Employee> employeeList = null;
                String str = searchBox.getText();
                System.out.println("here");
                employeeList =
AuctionTableGateway.getInstance().fetchEmployees(1);
                list.addAll(employeeList);
                this.empList.setItems(list);

                System.out.println(employeeList.get(0));

        }
        @Override
        public void initialize(URL location, ResourceBundle resources)
{
                // TODO Auto-generated method stub

                ObservableList<Employee> listBooks =
FXCollections.observableArrayList();
                List<Employee> employeeList = null;
                employeeList =
AuctionTableGateway.getInstance().fetchEmployees(0);
                listBooks.addAll(employeeList);
                this.empList.setItems(listBooks);

        }

}
---------------------------------------------------------
package controller;

import java.net.URL;
import java.sql.SQLException;
import java.time.LocalDateTime;
import java.util.ResourceBundle;

import org.apache.logging.log4j.LogManager;
import org.apache.logging.log4j.Logger;

import gateway.AuctionTableGateway;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.Initializable;
import javafx.scene.control.Button;
import javafx.scene.control.ComboBox;
import javafx.scene.control.Label;
import javafx.scene.control.ListView;
import javafx.scene.control.TextField;
import model.Vehicle;

public class UpdateController implements MyController, Initializable{

private static Logger logger =
LogManager.getLogger(AddEmployeeController.class);

    @FXML private TextField year;
    @FXML private Button saveButton;
    @FXML private Button updateButton;
    @FXML public Label lastModifiedText;
    @FXML private Button auditTrailButton;
    @FXML private Button addAuthorButton;
    @FXML private Button deleteAuthorButton;



    @FXML private TextField make;
        @FXML private TextField model;
        @FXML private TextField mileage;
        @FXML private TextField vin;

    private Vehicle vehicle;
    public UpdateController()
    {

    }

        public void saveVehicle(ActionEvent event) throws SQLException
{

                 if (event.getSource() == updateButton)
                 {
                         Vehicle vehicle = new Vehicle();

                         int count = 0;
                         String make2 = make.getText();
                         String model2 = model.getText();
                         int year2 = Integer.valueOf(year.getText());
                         int mileage2 =
Integer.valueOf(mileage.getText());
                         String vin2 = vin.getText();

                         vehicle.setMake(make2);
                         vehicle.setMileage(mileage2);
                         vehicle.setModel(model2);
                         vehicle.setYear(year2);
                         vehicle.setVin(vin2);
                         System.out.println(vehicle.toString() +
"<------look here");

AuctionTableGateway.getInstance().insertVehicle(vehicle);

                 }
        }
        @Override
        public void initialize(URL location, ResourceBundle resources)
{
                 // TODO Auto-generated method stub
                 make.setText(Main.vehicle.getMake());
                 model.setText(Main.vehicle.getModel());
                 year.setText(String.valueOf(Main.vehicle.getYear()));

mileage.setText(String.valueOf(Main.vehicle.getMileage()));
                 vin.setText(Main.vehicle.getMake());
        }

}
---------------------------------------------------------
```

```java
package controller;

import java.net.URL;


import java.sql.Connection;

import org.apache.logging.log4j.LogManager;
import org.apache.logging.log4j.Logger;

import com.mysql.jdbc.jdbc2.optional.MysqlDataSource;

import gateway.AuctionTableGateway;

import javafx.application.Application;
import javafx.fxml.FXMLLoader;
import javafx.scene.Parent;
import javafx.scene.Scene;
import javafx.scene.layout.BorderPane;
import javafx.stage.Stage;
import model.Vehicle;

public class Main extends Application {
        private static final Logger logger = LogManager.getLogger();

        public static Vehicle vehicle = new Vehicle();
        @Override
        public void start(Stage stage) throws Exception {


                URL url = 
this.getClass().getResource("MainView.fxml");
                FXMLLoader loader = new FXMLLoader(url);

                MainController controller = 
MainController.getInstance();
                loader.setController(controller);

                Parent rootNode = loader.load();
                controller.setBorderPane((BorderPane) rootNode);

                stage.setScene(new Scene(rootNode));

                stage.setTitle("Assignment 4");
                stage.setWidth(600);
                stage.setHeight(500);
                stage.show();
        }
        @Override
        public void init() throws Exception {
                super.init();

                logger.info("creating connection...");

                // create db connection
                MysqlDataSource ds = new MysqlDataSource();
                ds.setURL("jdbc:mysql://easel2.fulgentcorp.com/
fyw759");
                ds.setUser("fyw759");
                ds.setPassword("KXTKSjlCJrt43Hp3U4lb");
                Connection connection = ds.getConnection();

                // assign connection to gateways

AuctionTableGateway.getInstance().setConnection(connection);

        }



        @Override
        public void stop() throws Exception {
                super.stop();

                logger.info("closing connection...");


AuctionTableGateway.getInstance().getConnection().close();
        }



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

}
---------------------------------------------------------
package model;

public class Vehicle {
        private String make;
        private String model;
        private int year;
        private int mileage;
        private String vin;
        public Vehicle(String make, String model, int year, int
mileage, String vin)
        {
                this.make = make;
                this.model = model;
                this.year = year;
                this.mileage = mileage;
                this.vin = vin;
        }
        public Vehicle()
        {

        }

        public String toString()
        {
                return this.make + this.model + this.vin + this.year;
        }
        public String getMake() {
                return make;
        }

        public void setMake(String make) {
                this.make = make;
        }

        public String getModel() {
                return model;
        }

        public void setModel(String model) {
                this.model = model;
        }

        public int getYear() {
                return year;
        }

        public void setYear(int year) {
                this.year = year;
        }

        public int getMileage() {
                return mileage;
        }

        public void setMileage(int mileage) {
                this.mileage = mileage;
        }
        public String getVin() {
                return vin;
        }

        public void setVin(String vin) {
                this.vin = vin;
        }
}
```

```
________________________________________________________
package controller;

import java.net.URL;


import model.Vehicle;

import java.sql.SQLException;

import java.util.ArrayList;
import java.util.List;
import java.util.ResourceBundle;

import org.apache.logging.log4j.LogManager;
import org.apache.logging.log4j.Logger;

import gateway.AuctionTableGateway;

import javafx.collections.FXCollections;
import javafx.collections.ObservableList;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.Initializable;
import javafx.scene.control.Button;
import javafx.scene.control.ComboBox;
import javafx.scene.control.Label;
import javafx.scene.control.ListView;
import javafx.scene.control.TextField;
import javafx.scene.Scene;
import javafx.scene.control.Alert;
import javafx.scene.control.Alert.AlertType;
import javafx.scene.input.MouseEvent;
import javafx.scene.layout.StackPane;
import javafx.stage.Modality;
import javafx.stage.Stage;
```

```
public class AddEmployeeController implements Initializable,
MyController {
        private static AddEmployeeController instance = null;
        public static AddEmployeeController getInstance() {
                return instance;
        }

        public static void setInstance(AddEmployeeController instance)
{
                AddEmployeeController.instance = instance;
        }


        private static Logger logger =
LogManager.getLogger(AddEmployeeController.class);


    @FXML private TextField year;

    @FXML private Button saveButton;
    @FXML private Button updateButton;




    @FXML private TextField make;
        @FXML private TextField model;

        @FXML private TextField mileage;
        @FXML private TextField vin;

    public static int alertCheck = 0;

    public AddEmployeeController() {
                // TODO Auto-generated constructor stub
        }


        @Override
        public void initialize(URL location, ResourceBundle resources)
{

        }

        public void saveVehicle(ActionEvent event) throws SQLException
{

                if (event.getSource() == saveButton)
                {
                        Vehicle vehicle = new Vehicle();
                        int count = 0;
                        String make2 = make.getText();
                        String model2 = model.getText();
                        int year2 = Integer.valueOf(year.getText());
                        int mileage2 =
Integer.valueOf(mileage.getText());
                        String vin2 = vin.getText();

                        vehicle.setMake(make2);
                        vehicle.setMileage(mileage2);
                        vehicle.setModel(model2);
                        vehicle.setYear(year2);
                        vehicle.setVin(vin2);
                        System.out.println(vehicle.toString() +
"<------look here");
                        Main.vehicle.setMake(vehicle.getMake());
                Main.vehicle.setModel(vehicle.getModel());
                Main.vehicle.setYear(vehicle.getYear());
                Main.vehicle.setMileage(vehicle.getMileage());
                Main.vehicle.setVin(vehicle.getVin());

AuctionTableGateway.getInstance().insertVehicle(vehicle);

                }


        }
        public static Logger getLogger() {
                return logger;
        }

        public static void setLogger(Logger logger) {
                AddEmployeeController.logger = logger;
        }

        public TextField getYear() {
                return year;
        }

        public void setYear(TextField year) {
                this.year = year;
        }

        public Button getSaveButton() {
                return saveButton;
        }

        public void setSaveButton(Button saveButton) {
                this.saveButton = saveButton;
        }

        public Button getUpdateButton() {
                return updateButton;
        }

        public void setUpdateButton(Button updateButton) {
                this.updateButton = updateButton;
        }


}

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

<?import javafx.scene.text.*?>
<?import javafx.scene.control.*?>
<?import java.lang.*?>
<?import javafx.scene.layout.*?>

<BorderPane maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-
Infinity" minWidth="-Infinity" prefHeight="400.0" prefWidth="600.0"
xmlns="http://javafx.com/javafx/8" xmlns:fx="http://javafx.com/fxml/
1">
   <top>
      <MenuBar BorderPane.alignment="CENTER">
        <menus>
          <Menu mnemonicParsing="false" text="File">
            <items>
              <MenuItem fx:id="quitMenuItem" mnemonicParsing="false"
text="Quit" />
            </items>
          </Menu>
          <Menu fx:id="search" mnemonicParsing="false"
onAction="#clickSearch" text="Search">
            <items>
              <MenuItem fx:id="BookListMenuItem"
mnemonicParsing="false" onAction="#clickSearch" text="Search
Vehicles" />
                  <MenuItem fx:id="AddMenuItem"
mnemonicParsing="false" onAction="#clickSearch" text="Search
Employees" />
            </items>
          </Menu>
            <Menu fx:id="insert" mnemonicParsing="false"
onAction="#clickInsert" text="Insert(Admin Only)">
              <items>
                <MenuItem fx:id="insert" mnemonicParsing="false"
onAction="#clickInsert" text="Add Vehicle/Employee" />
```

```
              </items>
            </Menu>
            <Menu fx:id="update" mnemonicParsing="false"
onAction="#updateDb" text="Update(Admin Only)">
              <items>
                <MenuItem fx:id="update" mnemonicParsing="false"
onAction="#updateDb" text="Update Database" />
              </items>
            </Menu>
        </menus>
      </MenuBar>
   </top>
   <center>
      <AnchorPane prefHeight="371.0" prefWidth="606.0"
BorderPane.alignment="CENTER">
         <children>
            <Label layoutX="49.0" layoutY="43.0" text="S-A-K Auto
Auctions">
               <font>
                  <Font size="51.0" />
               </font>
            </Label>
            <ComboBox fx:id="users" layoutX="70.0" layoutY="150.0"
prefWidth="150.0" promptText="Login As:" />
            <TextField layoutX="355.0" layoutY="150.0" />
            <TextField layoutX="355.0" layoutY="198.0" />
            <Button layoutX="406.0" layoutY="239.0"
mnemonicParsing="false" text="Login" />
            <Label layoutX="286.0" layoutY="155.0" prefHeight="17.0"
prefWidth="63.0" text="Username" />
            <Label layoutX="288.0" layoutY="203.0" prefHeight="16.0"
prefWidth="60.0" text="Password" />
         </children>
      </AnchorPane>
   </center>
</BorderPane>

----------------------------------------------------------

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

<?import javafx.scene.text.*?>
<?import javafx.geometry.*?>
<?import javafx.scene.control.*?>
<?import java.lang.*?>
<?import javafx.scene.layout.*?>

<GridPane fx:id="lastModifiedLabel" maxHeight="-Infinity" maxWidth="-
Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx/
```

```
8" xmlns:fx="http://javafx.com/fxml/1">
  <columnConstraints>
    <ColumnConstraints hgrow="SOMETIMES" maxWidth="-Infinity"
minWidth="10.0" prefWidth="130.0" />
    <ColumnConstraints hgrow="SOMETIMES" minWidth="10.0"
prefWidth="100.0" />
  </columnConstraints>
  <rowConstraints>
      <RowConstraints maxHeight="176.0" minHeight="10.0"
prefHeight="90.0" vgrow="SOMETIMES" />
    <RowConstraints maxHeight="176.0" minHeight="10.0"
prefHeight="38.0" vgrow="SOMETIMES" />
    <RowConstraints maxHeight="310.0" minHeight="10.0"
prefHeight="46.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="296.0" minHeight="10.0"
prefHeight="51.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="296.0" minHeight="10.0"
prefHeight="63.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="337.0" minHeight="10.0"
prefHeight="51.0" vgrow="SOMETIMES" />
    <RowConstraints maxHeight="337.0" minHeight="10.0"
prefHeight="58.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="337.0" minHeight="10.0"
prefHeight="34.0" vgrow="SOMETIMES" />
  </rowConstraints>
   <children>
      <Label text="Make" GridPane.rowIndex="1" />
      <Label text="Model" GridPane.rowIndex="2" />
      <TextField fx:id="make" text="Enter Make..."
GridPane.columnIndex="1" GridPane.rowIndex="1" />
      <TextField fx:id="model" text="Enter Model..."
GridPane.columnIndex="1" GridPane.rowIndex="2" />
      <Label text="Year" GridPane.rowIndex="3" />
      <Label text="Mileage" GridPane.rowIndex="4" />
      <Button fx:id="saveButton" mnemonicParsing="false"
onAction="#updateVehicle" text="Update Database"
GridPane.rowIndex="7" />
      <TextField fx:id="year" text="Enter Year..."
GridPane.columnIndex="1" GridPane.rowIndex="3" />
      <TextField fx:id="mileage" text="Enter Mileage..."
GridPane.columnIndex="1" GridPane.rowIndex="4" />
      <Label text="VIN" GridPane.rowIndex="5" />
      <TextField fx:id="vin" text="Enter VIN..."
GridPane.columnIndex="1" GridPane.rowIndex="5" />
      <Label GridPane.rowIndex="6" />
      <Label fx:id="lastModifiedText" GridPane.columnIndex="1"
GridPane.rowIndex="6" />
      <Label text="Transmission" GridPane.rowIndex="6" />
      <RadioButton mnemonicParsing="false" text="Automatic"
GridPane.columnIndex="1" GridPane.rowIndex="6" />
```

```
      <RadioButton mnemonicParsing="false" text="Manual"
GridPane.columnIndex="1" GridPane.halignment="CENTER"
GridPane.rowIndex="6" />
      <Label text="Update Database Details" GridPane.columnIndex="1"
GridPane.halignment="CENTER">
         <font>
            <Font size="26.0" />
         </font>
      </Label>
      <Button mnemonicParsing="false" text="Update Employee"
GridPane.valignment="TOP" />
      <Button mnemonicParsing="false" text="Update Vehicle"
GridPane.valignment="BOTTOM" />
      <Label text="OR" GridPane.halignment="CENTER" />



   </children>
   <padding>
      <Insets bottom="5.0" left="5.0" right="5.0" top="5.0" />
   </padding>
</GridPane>
---------------------------------------------------------
<?xml version="1.0" encoding="UTF-8"?>

<?import javafx.scene.text.*?>
<?import javafx.geometry.*?>
<?import javafx.scene.control.*?>
<?import java.lang.*?>
<?import javafx.scene.layout.*?>

<GridPane fx:id="lastModifiedLabel" maxHeight="-Infinity" maxWidth="-
Infinity" minHeight="-Infinity" minWidth="-Infinity"
prefHeight="400.0" prefWidth="600.0" xmlns="http://javafx.com/javafx/
8" xmlns:fx="http://javafx.com/fxml/1">
  <columnConstraints>
    <ColumnConstraints hgrow="SOMETIMES" maxWidth="-Infinity"
minWidth="10.0" prefWidth="130.0" />
    <ColumnConstraints hgrow="SOMETIMES" minWidth="10.0"
prefWidth="100.0" />
  </columnConstraints>
  <rowConstraints>
      <RowConstraints maxHeight="176.0" minHeight="10.0"
prefHeight="90.0" vgrow="SOMETIMES" />
    <RowConstraints maxHeight="176.0" minHeight="10.0"
prefHeight="38.0" vgrow="SOMETIMES" />
    <RowConstraints maxHeight="310.0" minHeight="10.0"
prefHeight="46.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="296.0" minHeight="10.0"
prefHeight="51.0" vgrow="SOMETIMES" />
```

```
      <RowConstraints maxHeight="296.0" minHeight="10.0"
prefHeight="63.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="337.0" minHeight="10.0"
prefHeight="51.0" vgrow="SOMETIMES" />
    <RowConstraints maxHeight="337.0" minHeight="10.0"
prefHeight="58.0" vgrow="SOMETIMES" />
      <RowConstraints maxHeight="337.0" minHeight="10.0"
prefHeight="34.0" vgrow="SOMETIMES" />
  </rowConstraints>
   <children>
      <Label text="Make" GridPane.rowIndex="1" />
      <Label text="Model" GridPane.rowIndex="2" />
      <TextField fx:id="make" text="Enter Make..."
GridPane.columnIndex="1" GridPane.rowIndex="1" />
      <TextField fx:id="model" text="Enter Model..."
GridPane.columnIndex="1" GridPane.rowIndex="2" />
      <Label text="Year" GridPane.rowIndex="3" />
      <Label text="Mileage" GridPane.rowIndex="4" />
      <Button fx:id="saveButton" mnemonicParsing="false"
onAction="#saveVehicle" text="Save" GridPane.rowIndex="7" />
      <TextField fx:id="year" text="Enter Year..."
GridPane.columnIndex="1" GridPane.rowIndex="3" />
      <TextField fx:id="mileage" text="Enter Mileage..."
GridPane.columnIndex="1" GridPane.rowIndex="4" />
      <Label text="VIN" GridPane.rowIndex="5" />
      <TextField fx:id="vin" text="Enter VIN..."
GridPane.columnIndex="1" GridPane.rowIndex="5" />
      <Label GridPane.rowIndex="6" />
      <Label fx:id="lastModifiedText" GridPane.columnIndex="1"
GridPane.rowIndex="6" />
      <Label text="Transmission" GridPane.rowIndex="6" />
      <RadioButton mnemonicParsing="false" text="Automatic"
GridPane.columnIndex="1" GridPane.rowIndex="6" />
      <RadioButton mnemonicParsing="false" text="Manual"
GridPane.columnIndex="1" GridPane.halignment="CENTER"
GridPane.rowIndex="6" />
      <Label text="Add a New Vehicle to the Database"
GridPane.columnIndex="1">
         <font>
            <Font size="26.0" />
         </font>
      </Label>



   </children>
   <padding>
      <Insets bottom="5.0" left="5.0" right="5.0" top="5.0" />
   </padding>
</GridPane>
```

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

<?import javafx.scene.text.*?>
<?import javafx.scene.control.*?>
<?import java.lang.*?>
<?import javafx.scene.layout.*?>
<?import javafx.scene.layout.AnchorPane?>

<AnchorPane prefHeight="400.0" prefWidth="611.0" xmlns="http://
javafx.com/javafx/8" xmlns:fx="http://javafx.com/fxml/1">
   <children>
      <Label layoutX="109.0" layoutY="33.0" text="Search S-A-K
AutoAuctions Database">
         <font>
            <Font size="22.0" />
         </font>
      </Label>
      <TextField fx:id="searchBox" layoutX="171.0" layoutY="80.0"
prefHeight="27.0" prefWidth="270.0" text="Search Database..." />
      <ListView fx:id="empList" layoutX="97.0" layoutY="136.0"
prefHeight="199.0" prefWidth="417.0" />
      <Button fx:id="searchButton" layoutX="455.0" layoutY="80.0"
mnemonicParsing="false" onAction="#runsearch" text="Search" />
      <Button layoutX="216.0" layoutY="351.0" mnemonicParsing="false"
text="Delete Selected Employee" />
   </children>
</AnchorPane>

---------------------------------------------------------
package controller;

public enum ViewType {
        VIEW1, VIEW2, VIEW3, VIEW4, VIEW5, VIEW6, VIEW7;
}
---------------------------------------------------------
package controller;

public interface MyController {

}
---------------------------------------------------------
```