# Please use this template to turn in your stored procedure homework assignment

//Paste in **ALL** of your stored procedures here

USE [AutoDealer]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE procAddServices

@ServiceID char(2),

@ServiceName varchar(50),

@AllottedTime int,

@Cost decimal(6,2)

AS

BEGIN

INSERT INTO Services(ServiceID,ServiceName,AllottedTime,Cost)

VALUES (@ServiceID,@ServiceName,@AllottedTime,@Cost)

END

USE [AutoDealer]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE procUpdateServices

@ServiceID char(2),

@ServiceName varchar(50),

@AllottedTime int,

@Cost decimal(6,2)

AS

BEGIN

UPDATE Services

SET ServiceName = @ServiceName, AllottedTime = @AllottedTime, Cost = @Cost

WHERE ServiceID = @ServiceID

END

USE [AutoDealer]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE procDeleteServices

@ServiceID char(2)

AS

BEGIN

DELETE FROM Services

WHERE ServiceID = @ServiceID

END

//Paste in **ALL** of your data object classes here (the one you added to the database.dataobjects package for this problem)

**public** **class** Service {

**private** String serviceID = **null**;

**private** String serviceName = **null**;

**private** **int** allottedTime;

**private** Double cost;

**public** Service(String serviceID, String serviceName, **int** allottedTime, Double cost){

**this**.serviceID = serviceID;

**this**.serviceName = serviceName;

**this**.allottedTime = allottedTime;

**this**.cost = cost;

}

**public** String getServiceID(){

**return** serviceID;

}

**public** String getServiceName(){

**return** serviceName;

}

**public** **int** getAllottedTime(){

**return** allottedTime;

}

**public** Double getCost(){

**return** cost;

}

**public** **void** setServiceID(String serviceID){

**this**.serviceID = serviceID;

}

**public** **void** setServiceName(String serviceName){

**this**.serviceName = serviceName;

}

**public** **void** setAllottedTime(**int** allottedTime){

**this**.allottedTime = allottedTime;

}

**public** **void** setCost(Double cost){

**this**.cost = cost;

}

**public** String toString(){

StringBuffer buf = **new** StringBuffer();

buf.append("ID:\t");

buf.append(getServiceID());

buf.append("\nService Name:\t");

buf.append(getServiceName());

buf.append("\nAllotted Time:\t");

buf.append(getAllottedTime());

buf.append("\nCost:\t");

buf.append(getCost());

**return** buf.toString();

}

}

//Paste in ALL of the methods you **added** to the ObjectBuilder class here

**public** Service createService(ResultSet rs){

Service s= **null**;

**try**{

String serID = rs.getString(DatabaseConstants.***COLUMN\_SERVICE\_ID***);

String serName = rs.getString(DatabaseConstants.***COLUMN\_SERVICE\_NAME***);

**int** allottedTime = rs.getInt((DatabaseConstants.***COLUMN\_SERVICE\_ALLOTTED\_TIME***));

Double cost = rs.getDouble(DatabaseConstants.***COLUMN\_SERVICE\_COST***);

s= **new** Service(serID, serName, allottedTime,cost);

}**catch** (SQLException e){

e.printStackTrace();

}

**return** s;

}

//Paste in ALL of the code you **added** to the DatabaseConstants class here

**public** **static** String ***SP\_ADD\_Service*** = "procAddServices";

**public** **static** String ***SP\_DELETE\_Service*** = "procDeleteServices";

**public** **static** String ***SP\_UPDATE\_Service*** = "procUpdateServices";

//Paste in ALL of the code you **added** to your DatabaseController class here

**public** **void** updateService(Service s){

ArrayList<NameValuePair> nvpList = **new** ArrayList<NameValuePair>();

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_ID***, s.getServiceID()));

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_NAME***, s.getServiceName()));

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_ALLOTTED\_TIME***, Integer.*toString*(s.getAllottedTime())));

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_COST***,Double.*toString*(s.getCost())));

executeCUDStoredProcedure(***SP\_UPDATE\_Service***, nvpList);

}

**public** **void** addService(Service s){

ArrayList<NameValuePair> nvpList = **new** ArrayList<NameValuePair>();

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_ID***, s.getServiceID()));

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_NAME***, s.getServiceName()));

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_ALLOTTED\_TIME***, Integer.*toString*(s.getAllottedTime())));

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_COST***,Double.*toString*(s.getCost())));

executeCUDStoredProcedure(***SP\_ADD\_Service***, nvpList);

}

**public** **void** deleteService(String serviceID){

ArrayList<NameValuePair> nvpList = **new** ArrayList<NameValuePair>();

nvpList.add(**new** NameValuePair(***COLUMN\_SERVICE\_ID***, serviceID));

executeCUDStoredProcedure(***SP\_DELETE\_Service***, nvpList);

}

//Paste in ALL of the code you **added** to the StoredProcedureTester class here:

//testing adding, updating, and deleting services

//adding a service by addService() method

System.***out***.println("Testing addService() stored procedure");

Service serv1 = **new** Service("DS", "Radiator change",26,53.00);

dbc.addService(serv1);

System.***out***.println();

//Test the getServieByID() method

System.***out***.println("Testing getServiceByServiceID stored procedure");

Service s = dbc.getServiceByServiceId("DS");

System.***out***.println(s);

System.***out***.println();

//Test the updateService() method

System.***out***.println("Testing updateService() stored procedure");

Service serv = dbc.getServiceByServiceId("DS");

serv.setServiceName("Tire Change");

dbc.updateService(serv);

System.***out***.println();

//Test the getServieByID() method

System.***out***.println("Testing getServiceByServiceID stored procedure");

Service s2 = dbc.getServiceByServiceId("DS");

System.***out***.println(s2);

System.***out***.println();

//Test the deleteService() method

System.***out***.println("Testing deleteService() stored procedure");

Service ser3 = dbc.getServiceByServiceId("DS");

dbc.deleteService(ser3.getServiceID());

System.***out***.println();

System.***out***.println("Testing getServiceByServiceID stored procedure");

Service s4 = dbc.getServiceByServiceId("DS");System.***out***.println(s4);

//Paste in the output generated by running your StoredProcedureTester class here (should include output for ALL of the problems from the homework, including the optional bonus question):

Testing addService() stored procedure

Testing getServiceByServiceID stored procedure

ID: DS

Service Name: Radiator change

Allotted Time: 26

Cost: 53.0

Testing updateService() stored procedure

Testing getServiceByServiceID stored procedure

ID: DS

Service Name: Tire Change

Allotted Time: 26

Cost: 53.0

Testing deleteService() stored procedure

Testing getServiceByServiceID stored procedure

null