

MP3 readme

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Date: 11/24/2013

To Run

test_mp3.bat located in test folder.

Project description:

Project loads the data from MySQL database in to the application and provides user with following options:

- To load the Database Data into the application
- To add a new Order File to the Database.
- Retrieve (view) or Delete any Employee by PrimaryKey.
- Retrieve (view) or Delete any Customer by PrimaryKey.
- view all Employees
- view all Customers
- View all orders

MainDriver class has the main method and is used to launch the application.

Test cases are written to cover the positive,negative and exception behavior of the application.

Installation, compile and run-time requirements:

Installation requirements: MySQL Workbench 6.0 Build 6.0.7.11215

IDE: Eclipse

IDEVersion: Kelpier Version

Java JDK 7 version

Compile time requirements: Jar required: opencsv-2.4.jar

Run time requirements for batch file: Runnable file requires the MySQL database instance to be created for BIRT sample database scripts found at <http://www.eclipse.org/birt/phoenix/db/-mysql>.

Connect to database using below credentials:

Database Url = "jdbc:mysql://localhost:3306/MP2";

User Name = "root";

Password = "password";

User guide information on the dialogs:

Run the MainDriver class in iit.itm.pru.mp2.driver package and verify that console window is opened with below options:

Main Menu:

1. Load the Database into the application
2. [Add a new Order File to the Database](#)
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

Load database in to application:

Enter "1" and press enter to load a database into the application.

Database should be successfully loaded in to the application and below message should be displayed.

"[Database loaded into application successfully !](#)"

Error message is thrown when User enters invalid username, password or URL.

Error message is displayed when user selects option 1 and the required database does not exist.

Main menu is displayed after database is loaded successfully.

Add a new Order File to the Database

Enter "2" and press enter to add a new order record.

Below message is displayed once enter is pressed.

" [Enter order number,order date, required date, shipped date, status, comments, customer number](#)
[Enter date in format 'yyyy-mm-dd'](#)"

Give all the above details each in newline and press enter

Record should be inserted successfully and below message should be displayed.

"[Record is inserted into Order table!](#)"

Error message "[Some ParseException Occured during Order record Insert !!](#)" should be displayed when user attempts to insert invalid data in to order table.

Main menu is displayed after record is inserted successfully.

Retrieve (view) or Delete any Employee by PrimaryKey

Enter "3" from main menu and press enter to retrieve or delete an employee record.

Submenu with below options is displayed:

1. View Employee by Employee Number
2. Delete Employee by Employee Number

View Employee record:

- Enter 1 and press enter to view details of employee record.
- Message "Enter the Employee Number to view details" is displayed.
- Enter valid employee number and press enter.
- Employee details are displayed.
- Message "No employee with the given ID" is displayed when user enters invalid employee ID.
- Main Menu is displayed once the employee details are printed/above message is displayed for invalid entry.

Delete Employee record:

- Enter "2" and press enter to delete details of employee record.
- Message "Enter the Employee Number to delete from database" is displayed.
- Enter valid employee number and press enter.
- Employee details are deleted.
- Message "No employee with the given ID" is displayed when user enters invalid employee ID.
- Main Menu is displayed once the employee details are deleted/above message is displayed for invalid entry.

Retrieve (view) or Delete any Customer by PrimaryKey

Enter "4" from main menu and press enter to retrieve or delete an Customer record.

Submenu with below options is displayed:

1. View Customer details by Customer Number
2. Delete Customer by Customer Number

View Customer record:

- Enter 1 from submenu and press enter to view details of Customer record.
- Message "Enter the Customer Number to view details" is displayed.
- Enter valid Customer number and press enter.
- Customer details are displayed.
- Message "No Customer with the given ID" is displayed when user enters invalid Customer ID.
- Main Menu is displayed once the Customer details are printed/above message is displayed for invalid entry.

Delete Customer record:

- Enter "2" from the submenu and press enter to delete details of Customer record.
- Message "Enter the Customer Number to delete from database" is displayed.
- Enter valid Customer number and press enter.
- Customer details are deleted.
- Message "No Customer with the given ID" is displayed when user enters invalid Customer ID.
- Main Menu is displayed once the Customer details are deleted/above message is displayed for invalid entry.

View all Employees

Prior to view the employee details, database should be loaded in to application successfully.

- Once the database is loaded successfully, enter "5" from main menu and press enter to view the employee records.
- Message "First you will have to load the database into the application" is displayed when database is not loaded and user attempts to view the employee records.
- Main Menu is displayed once the employee details are printed.

View all Customers

Prior to view the Customer details, database should be loaded in to application successfully.

- Once the database is loaded successfully, enter "6" from main menu and press enter to view the Customer records.
- Message "First you will have to load the database into the application" is displayed when database is not loaded and user attempts to view the Customer records.
- Main Menu is displayed once the Customer details are printed.

View all Orders

Prior to view the Orders details, database should be loaded in to application successfully.

- Once the database is loaded successfully, enter "7" from main menu and press enter to view the Orders records.
- Message "First you will have to load the database into the application" is displayed when database is not loaded and user attempts to view the Orders records.
- Main Menu is displayed once the Orders details are printed.

Development and testing insights with expected results:

- The application handles all the possible exceptions where user can go wrong and allows the user to run the application without interruption.
- MainDriver is the class which contains the main method and from where the mp3 code execution of starts.
- We have defined customized exception "DatabaseConnectionException.java" which extends exception class.
- We have used try-catch to catch all the exceptions in the main method.
- The entire data loading from database is handled by CustomersDAO.java, EmployeesDAO.java, OrdersDAO.java. All these classes uses RetrieveAbstract.java class to retrieve data from database.
- The view/delete operations on customer and employee records are handled by RDEmployeeCustomerRecord.java class.
- Tests CustomerSqlTest.java, EmployeeSqlTest.java, OrdersSqlTest.java are designed to test all the positive, negative and exception functionality of the mp3 project requirements.

Screen captures demonstrating all application capabilities:

Loading database in to application:

```

Main Menu:
1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

```

```

1
Database loaded into application successfully !

```

```

Main Menu:
1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

```

Adding new Order record:

Main Menu:

1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

2

To add new Order record

Enter order number,order date, required date, shipped date, status, comments, customer number

Enter date in format 'yyyy-mm-dd'

232

2013-09-09

2013-09-09

2013-09-09

shipped

test

103

Record is inserted into Order table!

Main Menu:

1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

View Employee data:

```
Main Menu:
1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

1
Database loaded into application successfully !

Main Menu:
1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

3
1. View Employee by Employee Number
2. Delete Employee by Employee Number

1
Enter the Employee Number to view details

1002
Employees [employeeNumber=1002, lastName=Murphy, firstName=Diane, extension=x5800, email=dmurphy@classicmodelcars.com, officeCode=1, reportsTo=0, jobTitle=President]

Main Menu:
1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

4
```

Delete Employee data:

Main Menu:

1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

3

1. View Employee by Employee Number
2. Delete Employee by Employee Number

2

Enter the Employee Number to delete from database

1088

Record is deleted!

Main Menu:

1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

View Customer Data:

Main Menu:

1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

4

1. View Customer details by Customer Number
2. Delete Customer by Customer Number

1

Enter the Customer Number to view details

103

Customers [customerNumber=103, customerName=Atelier graphique, contactLastName=Schmitt, contactFirstName=Carine , phone=40.32.2555, addressLine1=54, rue Royale, addressLine2=null,

Main Menu:

1. Load the Database into the application
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Delete Customer Data:


```
Main Menu:
1. Load the Database into the application
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```

```
4
1. View Customer details by Customer Number
2. Delete Customer by Customer Number
```

```
2
Enter the Customer Number to delete from database
```

```
119
Record is deleted!
```

```
Main Menu:
1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders
```

View Employees Data:

```
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders
```

```
5
Employees [employeeNumber=1056, lastName=Patterson, firstName=Mary, extension=x4611, email=mpatterso@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1076, lastName=Firrelli, firstName=Jeff, extension=x9273, email=jfirrelli@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1088, lastName=Patterson, firstName=William, extension=x4871, email=wpatterson@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1102, lastName=Bondur, firstName=Gerard, extension=x5408, email=gbondur@classicmodelcars.com, officeCode=4, reportsTo=1]
Employees [employeeNumber=1143, lastName=Bow, firstName=Anthony, extension=x5428, email=abow@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1165, lastName=Jennings, firstName=Leslie, extension=x3291, email=ljennings@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1166, lastName=Thompson, firstName=Leslie, extension=x4065, email=lthompson@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1188, lastName=Firrelli, firstName=Julie, extension=x2173, email=jfirrelli@classicmodelcars.com, officeCode=2, reportsTo=1]
Employees [employeeNumber=1216, lastName=Patterson, firstName=Steve, extension=x4334, email=spatterson@classicmodelcars.com, officeCode=1, reportsTo=1]
Employees [employeeNumber=1286, lastName=Tseng, firstName=Foon Yue, extension=x2248, email=ftseng@classicmodelcars.com, officeCode=3, reportsTo=1]
Employees [employeeNumber=1323, lastName=Vanauf, firstName=George, extension=x4102, email=gvanauf@classicmodelcars.com, officeCode=3, reportsTo=1]
Employees [employeeNumber=1337, lastName=Bondur, firstName=Loui, extension=x6493, email=lbondur@classicmodelcars.com, officeCode=4, reportsTo=1]
Employees [employeeNumber=1370, lastName=Hernandez, firstName=Gerard, extension=x2028, email=ghernande@classicmodelcars.com, officeCode=4, reportsTo=1]
Employees [employeeNumber=1401, lastName=Castillo, firstName=Pamela, extension=x2759, email=pcastillo@classicmodelcars.com, officeCode=4, reportsTo=1]
Employees [employeeNumber=1501, lastName=Bott, firstName=Larry, extension=x2311, email=lbott@classicmodelcars.com, officeCode=7, reportsTo=1]
Employees [employeeNumber=1504, lastName=Jones, firstName=Barry, extension=x102, email=bjones@classicmodelcars.com, officeCode=7, reportsTo=1]
Employees [employeeNumber=1611, lastName=Fixter, firstName=Andy, extension=x101, email=afixter@classicmodelcars.com, officeCode=6, reportsTo=1]
Employees [employeeNumber=1612, lastName=Marsh, firstName=Peter, extension=x102, email=pmarsh@classicmodelcars.com, officeCode=6, reportsTo=1]
Employees [employeeNumber=1619, lastName=King, firstName=Tom, extension=x103, email=tking@classicmodelcars.com, officeCode=6, reportsTo=1]
Employees [employeeNumber=1621, lastName=Nishi, firstName=Mami, extension=x101, email=mnishi@classicmodelcars.com, officeCode=5, reportsTo=1]
Employees [employeeNumber=1625, lastName=Kato, firstName=Yoshimi, extension=x102, email=ykato@classicmodelcars.com, officeCode=5, reportsTo=1]
Employees [employeeNumber=1702, lastName=Gerard, firstName=Martin, extension=x2312, email=mgerard@classicmodelcars.com, officeCode=4, reportsTo=1]
```

```
Main Menu:
1. Load the Database into the application
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View Customer Data:

Main Menu:

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6
Customers [customerNumber=103, customerName=Atelier graphique, contactLastName=Schmitt, contactFirstName=Carine , phone=40.32.2555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=112, customerName=Signal Gift Stores, contactLastName=King, contactFirstName=Jean, phone=7025551838, addressLine1=2565 Old Kent Road, contactCity=London, contactCountry=United Kingdom, contactPostalCode=SE10 5TQ, addressLine2=)
Customers [customerNumber=114, customerName=Australian Collectors, Co., contactLastName=Ferguson, contactFirstName=Peter, phone=03 9520 4444, addressLine1=100 Collins Street, contactCity=Melbourne, contactCountry=Australia, contactPostalCode=3000, addressLine2=)
Customers [customerNumber=119, customerName=La Rochelle Gifts, contactLastName=Labruno, contactFirstName=Janine , phone=40.67.8555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=121, customerName=Baane Mini Imports, contactLastName=Bergulfsen, contactFirstName=Jonas , phone=07-98 9555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=124, customerName=Mini Gifts Distributors Ltd., contactLastName=Nelson, contactFirstName=Susan, phone=4155551455, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=125, customerName=Havel & Zbyszek Co., contactLastName=Piestrzeniewicz, contactFirstName=Zbyszek , phone=(26) 64 4444, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=128, customerName=Blauer See Auto, Co., contactLastName=Keitel, contactFirstName=Roland, phone=+49 69 66 90 2555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=129, customerName=Mini Wheels Co., contactLastName=Murphy, contactFirstName=Julie, phone=6505555787, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=131, customerName=Land of Toys Inc., contactLastName=Lee, contactFirstName=Kwai, phone=2125557818, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=141, customerName=Euro+ Shopping Channel, contactLastName=Freyre, contactFirstName=Diego , phone=(91) 555 94 44, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=144, customerName=Volvo Model Replicas, Co, contactLastName=Berglund, contactFirstName=Christina , phone=0921-1555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=145, customerName=Danish Wholesale Imports, contactLastName=Petersen, contactFirstName=Jytte , phone=31 12 3555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=146, customerName=Saveley & Henriot, Co., contactLastName=Saveley, contactFirstName=Mary , phone=78.32.5555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=148, customerName=Dragon Souvenirs, Ltd., contactLastName=Natividad, contactFirstName=Eric, phone=+65 221 7555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=151, customerName=Muscle Machine Inc, contactLastName=Young, contactFirstName=Jeff, phone=2125557413, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=157, customerName=Diecast Classics Inc., contactLastName=Leong, contactFirstName=Kelvin, phone=2155551555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=161, customerName=Technics Stores Inc., contactLastName=Hashimoto, contactFirstName=Juri, phone=6505556809, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=166, customerName=Handji Gifts & Co., contactLastName=Victorino, contactFirstName=Wendy, phone=+65 224 1555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=167, customerName=HerKKu Gifts, contactLastName=Oeztan, contactFirstName=Veysel, phone=+47 2267 3215, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=168, customerName=American Souvenirs Inc, contactLastName=Franco, contactFirstName=Keith, phone=2035557845, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=169, customerName=Porto Imports Co., contactLastName=de Castro, contactFirstName=Isabel , phone=(1) 356-5555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=171, customerName=Daedalus Designs Imports, contactLastName=Ranc, contactFirstName=Martine , phone=20.16.1555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=172, customerName=La Corne D'abondance, Co., contactLastName=Bertrand, contactFirstName=Marie, phone=(1) 42.34.5555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=173, customerName=Cambridge Collectables Co., contactLastName=Tseng, contactFirstName=Jerry, phone=6175555555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=175, customerName=Gift Depot Inc., contactLastName=King, contactFirstName=Julie, phone=2035552570, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=177, customerName=Osaka Souvenirs Co., contactLastName=Kentary, contactFirstName=Mory, phone=+81 06 6342 5555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=181, customerName=Vitachrome Inc., contactLastName=Frick, contactFirstName=Michael, phone=2125551500, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)

Customers [customerNumber=406, customerName=Auto Canal+ Petit, contactLastName=Perrier, contactFirstName=Dominique, phone=(1) 47.55.6555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=409, customerName=Stuttgart Collectable Exchange, contactLastName=M, contactFirstName=Rita , phone=0711-555361, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=412, customerName=Extreme Desk Decorations, Ltd, contactLastName=McRoy, contactFirstName=Sarah, phone=04 499 9999, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=415, customerName=Bavarian Collectables Imports, Co., contactLastName=Donnermeyer, contactFirstName=Michael, phone=4155551455, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=424, customerName=Classic Legends Inc., contactLastName=Hernandez, contactFirstName=Maria, phone=2125558493, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=443, customerName=Feuer Online Stores, Inc, contactLastName=Feuer, contactFirstName=Alexander , phone=0342-5555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=447, customerName=Gift Ideas Corp., contactLastName=Lewis, contactFirstName=Dan, phone=2035554407, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=448, customerName=Scandinavian Gift Ideas, contactLastName=Larsson, contactFirstName=Martha, phone=0695-34 6555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=450, customerName=The Sharp Gifts Warehouse, contactLastName=Frick, contactFirstName=Sue, phone=4085553659, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=452, customerName=Mini Auto Werke, contactLastName=Mendel, contactFirstName=Roland , phone=7675-3555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=455, customerName=Super Scale Inc., contactLastName=Murphy, contactFirstName=Leslie, phone=2035559545, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=456, customerName=Microscale Inc., contactLastName=Choi, contactFirstName=Yu, phone=2125551957, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=458, customerName=Corrida Auto Replicas, Ltd, contactLastName=Sommer, contactFirstName=Hart, phone=(91) 555 2222, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=459, customerName=Warburg Exchange, contactLastName=Ottlieb, contactFirstName=Sven , phone=0241-039123, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=462, customerName=FunGiftIdeas.com, contactLastName=Benitez, contactFirstName=Violeta, phone=5085552555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=465, customerName=Anton Designs, Ltd., contactLastName=Anton, contactFirstName=Carmen, phone=+34 913 728555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=471, customerName=Australian Collectables, Ltd, contactLastName=Clenahan, contactFirstName=Sean, phone=61-9-384 4444, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=473, customerName=Frau da Collezione, contactLastName=Ricotti, contactFirstName=Franco, phone=+39 022515555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=475, customerName=West Coast Collectables Co., contactLastName=Thompson, contactFirstName=Steve, phone=3105553659, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=477, customerName=Mit Vergn, contactLastName=Moos, contactFirstName=Hanna , phone=0621-08555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=480, customerName=Kremlin Collectables, Co., contactLastName=Semenov, contactFirstName=Alexander , phone=+7 81 4444, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=481, customerName=Raanan Stores, Inc, contactLastName=Altagar, G M, contactFirstName=Raanan, phone=+972 9 959 9599, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=484, customerName=Iberia Gift Imports, Corp., contactLastName=Roel, contactFirstName=Jos, phone=(95) 555 82 82, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=486, customerName=Motor Mint Distributors Inc., contactLastName=Salazar, contactFirstName=Rosa, phone=215555981, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=487, customerName=Signal Collectibles Ltd., contactLastName=Taylor, contactFirstName=Sue, phone=4155554312, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=489, customerName=Double Decker Gift Stores, Ltd, contactLastName=Smith, contactFirstName=Thomas , phone=(171) 555 5555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=495, customerName=Diecast Collectables, contactLastName=Franco, contactFirstName=Valarie, phone=6175552555, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)
Customers [customerNumber=496, customerName=Kelly's Gift Shop, contactLastName=Snowden, contactFirstName=Tony, phone=+64 9 5555500, addressLine1=15 rue de la Madeleine, contactCity=Paris, contactCountry=France, contactPostalCode=75001, addressLine2=)

Main Menu:

1. Load the Database into the application
2. Add a new Order File to the Database
3. Retrieve (view) or Delete any Employee by PrimaryKey
4. Retrieve (view) or Delete any Customer by PrimaryKey
5. View all Employees
6. View all Customers
7. View all Orders

View Orders Data:


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Orders [orderNumber=232, orderDate=2013-09-09, requiredDate=2013-09-09, shippedDate=2013-09-09, status=shipped, comments=test, customerNu
Orders [orderNumber=2837, orderDate=2013-09-09, requiredDate=2013-09-09, shippedDate=2013-09-09, status=shipped, comments=qoiwue, custom
Orders [orderNumber=10100, orderDate=2003-01-06, requiredDate=2003-01-13, shippedDate=2003-01-10, status=Shipped, comments=null, customer
Orders [orderNumber=10101, orderDate=2003-01-09, requiredDate=2003-01-18, shippedDate=2003-01-11, status=Shipped, comments=Check on avail
Orders [orderNumber=10102, orderDate=2003-01-10, requiredDate=2003-01-18, shippedDate=2003-01-14, status=Shipped, comments=null, customer
Orders [orderNumber=10103, orderDate=2003-01-29, requiredDate=2003-02-07, shippedDate=2003-02-02, status=Shipped, comments=null, customer
Orders [orderNumber=10104, orderDate=2003-01-31, requiredDate=2003-02-09, shippedDate=2003-02-01, status=Shipped, comments=null, customer
Orders [orderNumber=10105, orderDate=2003-02-11, requiredDate=2003-02-21, shippedDate=2003-02-12, status=Shipped, comments=null, customer
Orders [orderNumber=10106, orderDate=2003-02-17, requiredDate=2003-02-24, shippedDate=2003-02-21, status=Shipped, comments=null, customer
Orders [orderNumber=10107, orderDate=2003-02-24, requiredDate=2003-03-03, shippedDate=2003-02-26, status=Shipped, comments=Difficult to r
Orders [orderNumber=10108, orderDate=2003-03-03, requiredDate=2003-03-12, shippedDate=2003-03-08, status=Shipped, comments=null, customer
Orders [orderNumber=10109, orderDate=2003-03-10, requiredDate=2003-03-19, shippedDate=2003-03-11, status=Shipped, comments=Customer requ
Orders [orderNumber=10110, orderDate=2003-03-18, requiredDate=2003-03-24, shippedDate=2003-03-20, status=Shipped, comments=null, customer
Orders [orderNumber=10111, orderDate=2003-03-25, requiredDate=2003-03-31, shippedDate=2003-03-30, status=Shipped, comments=null, customer
Orders [orderNumber=10112, orderDate=2003-03-24, requiredDate=2003-04-03, shippedDate=2003-03-29, status=Shipped, comments=Customer requ
Orders [orderNumber=10113, orderDate=2003-03-26, requiredDate=2003-04-02, shippedDate=2003-03-27, status=Shipped, comments=null, customer
Orders [orderNumber=10114, orderDate=2003-04-01, requiredDate=2003-04-07, shippedDate=2003-04-02, status=Shipped, comments=null, customer
Orders [orderNumber=10115, orderDate=2003-04-04, requiredDate=2003-04-12, shippedDate=2003-04-07, status=Shipped, comments=null, customer
Orders [orderNumber=10116, orderDate=2003-04-11, requiredDate=2003-04-19, shippedDate=2003-04-13, status=Shipped, comments=null, customer
Orders [orderNumber=10117, orderDate=2003-04-16, requiredDate=2003-04-24, shippedDate=2003-04-17, status=Shipped, comments=null, customer
Orders [orderNumber=10118, orderDate=2003-04-21, requiredDate=2003-04-29, shippedDate=2003-04-26, status=Shipped, comments=Customer has v
Orders [orderNumber=10119, orderDate=2003-04-28, requiredDate=2003-05-05, shippedDate=2003-05-02, status=Shipped, comments=null, customer
Orders [orderNumber=10120, orderDate=2003-04-29, requiredDate=2003-05-08, shippedDate=2003-05-01, status=Shipped, comments=null, customer
Orders [orderNumber=10121, orderDate=2003-05-07, requiredDate=2003-05-13, shippedDate=2003-05-13, status=Shipped, comments=null, customer
Orders [orderNumber=10122, orderDate=2003-05-08, requiredDate=2003-05-16, shippedDate=2003-05-13, status=Shipped, comments=null, customer
Orders [orderNumber=10123, orderDate=2003-05-20, requiredDate=2003-05-29, shippedDate=2003-05-22, status=Shipped, comments=null, customer
Orders [orderNumber=10124, orderDate=2003-05-21, requiredDate=2003-05-29, shippedDate=2003-05-25, status=Shipped, comments=Customer very
Orders [orderNumber=10125, orderDate=2003-05-21, requiredDate=2003-05-27, shippedDate=2003-05-24, status=Shipped, comments=null, customer
```

User attempting to view customer,employee,orders records when database doesnot exist

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First you will have to load the database into the application

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First you will have to load the database into the application

Message when user enter invalid option in main menu:

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Sorry, Invalid Entry

Main Menu:

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