

WEB DEVELOPMENT PROJECT

CONGO CORP – THE ONLINE MUSIC SHOP

Grade Expected 98+

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Introduction

CongoCorp is a retailer specialising in music recordings and as such has a small database of the current titles it stocks. Congo currently operates out of a shop front in Newton Heath but now wishes to have a web presence where it can display its Albums and take customer orders.

Few of the problems with the shop at Congo Corp:

- Currently shop based no online presence.
- Hard to manage the stock display within the shop. Need more manpower during festive seasons when gets busier.
- Slow to deal with enquiries of the customer, which could result in lost sales.
- No way to promote arrival of new Albums to large audience.
- Current system relies on paperwork to be updated.
- Stock ordering system is not centralised leading to problems with accounting.
- Inefficient filing system, which is slow and sometimes problematic for accounting.

System requirements for a proposed new computerised database system

- Able to keep records of:
 - the Album
 - the customer
 - Music Category
 - Showing Available Albums and tracks
 - Registering to the website
 - Login user and their rights within the website. –Unauthenticated user, Logged in user and Website Admin
- Ordered and available stock information of Albums is easily accessible.
- Albums list and facility to adding the item to your shopping basket and display the details as you add or remove from the shopping cart.
- Buying Album and delivery address has to be provided to deliver products.
- Browsing to check the availability of booking for a given date.
- Issue notifications when new Album arrives.
- Admin can check all the current orders of the customer.
- Add, update or remove Albums or stock
- Be secured by means of password to keep customer data safe.

How it works ?

Home / Index Page

A CongoCorp is a retailer specialising in music recordings. The description of the all Albums will be displayed in the index page when the user clicks on the Music Listing Button, which can be also accessed through Home button on the menu bar. When the first time person visit the website he is considered as a guest / test user, and he / she is allowed to see the index page.

Search By

All users can browse and search particular information based on the options such as – Search all Albums, search by price range, search by category and search by Artist.

Login

Guests / New users / Visitors have the option to the registration process and Customers can check their login credentials by secure Login Procedure.

Different types of Users:

Guest / Test User

Guest user is can be a potential customer if he finds the website interesting, easy to access and options to browse through. Guest can only view the Albums based on the search criteria but cannot buy unless registration.

Customer / Registered User

Once the guest registers his details filling the Registration form under the login section and save, he is officially considered as a customer. He/ She has to choose an username and password for the purchases he is going to make in the near future. Customer has to login using the login credentials which he / she registered during registration process before he can shop anything on the website. Each Customer has given a unique customer id, which may be helpful to the customer to view his order during the later stage. As a valued customer of the Congo Corp Music shop, he / she has all the functionality what a guest enjoys in addition to that customer can buy the products, Add the albums to the order, Amend the order or even delete the Albums from the current order before submission.

Every time an Album is added to the shopping cart or Removed from the cart, an interim page is displayed with the name of the Artist, Title and the price of the chosen Album. Final order displays the total price to be paid, and then can proceed to the check out by entering the delivery details. As per the requirement, I have not worked on payment section, which is ignored. The bought product /s are to the delivery address provided by the customer by the shop.

Administrator / Admin User

Admin user is the super user his / her username and password is hard coded within the program.

Admin user has the access to :

1. Contact us submission page through which Admin can get the problems faced or any queries users have regarding the product, website or feedback by the users. This helps the development team to do the improvements to the website where required.
2. Amend the database by adding the new albums, updating the stock of the existing and removing the albums.
3. All the details related to the website that displays in the tabular format can be sorted Ascending or descending order according to the user wish.

Contact Us

Contact us is a form through which you can submit your queries to the admin. He will check and analyse your queries and send a personal email to you.

Help

How to use the website documentation provided under this section; you can refer the desired section, which is very easy to understand, and can navigate through all the authenticated sections of the website.

Conclusion

In conclusion, it is recommended that a computerised database could benefit and improve Congo Corp business, helping the business to be better organised, by reducing the risk of missing out or duplicating data. They will be able to quickly search for the Albums. It will also become easier to manage both data and operations with additional help from different types of users and their functionality.

Database Tables Created

```
# Delete existing Tables - just making sure if the tables with the same name existing they have to be removed.
```

```
DROP TABLE IF EXISTS music_customer ;
```

```
DROP TABLE IF EXISTS login;
```

```
DROP TABLE IF EXISTS customer_order;
```

```
DROP TABLE IF EXISTS music_orders;
```

```
DROP TABLE IF EXISTS contactus
```

```
DROP TABLE IF EXISTS
```

```
# create MUSIC_CUSTOMER table to hold all the registered customers information
```

```
CREATE TABLE music_customer
(customer_id int(6) AUTO_INCREMENT,
user_id VARCHAR(20),
first_name VARCHAR(20),
last_name VARCHAR(20),
country VARCHAR(20),
postcode VARCHAR(15),
address1 VARCHAR(40),
address2 VARCHAR(40),
town VARCHAR(20),
county VARCHAR(20),
mobileno VARCHAR(20),
landlineno VARCHAR(20),
email VARCHAR(40),
password VARCHAR(40),
CONSTRAINT customer_id_pk PRIMARY KEY(customer_id),
CONSTRAINT cust_email_unq UNIQUE (email)
);
```

#create login table to keep track of login credentials.

```
CREATE TABLE login
(user_id VARCHAR(20),
password VARCHAR(20),
admin BOOLEAN DEFAULT NULL,
CONSTRAINT login_userid_pk PRIMARY KEY(user_id));
```

#create CUSTOMER_ORDER to keep track of all the orders

```
create table CUSTOMER_ORDER
(order_id int(10),
customer_id int(6),
order_date date,
constraint Customer_order_combipk primary key(order_id,customer_id));
```

```
# create Music_Orders table to hold customers order information

create table MUSIC_ORDERS(
    id int(8) AUTO_INCREMENT,
    order_id int(10),
    recording_id int(11),
    address1 VARCHAR(40),
    address2 VARCHAR(40),
    postcode VARCHAR(15),
    total float(10,2),
    CONSTRAINT Music_order_id_pk PRIMARY KEY(id)
);
```

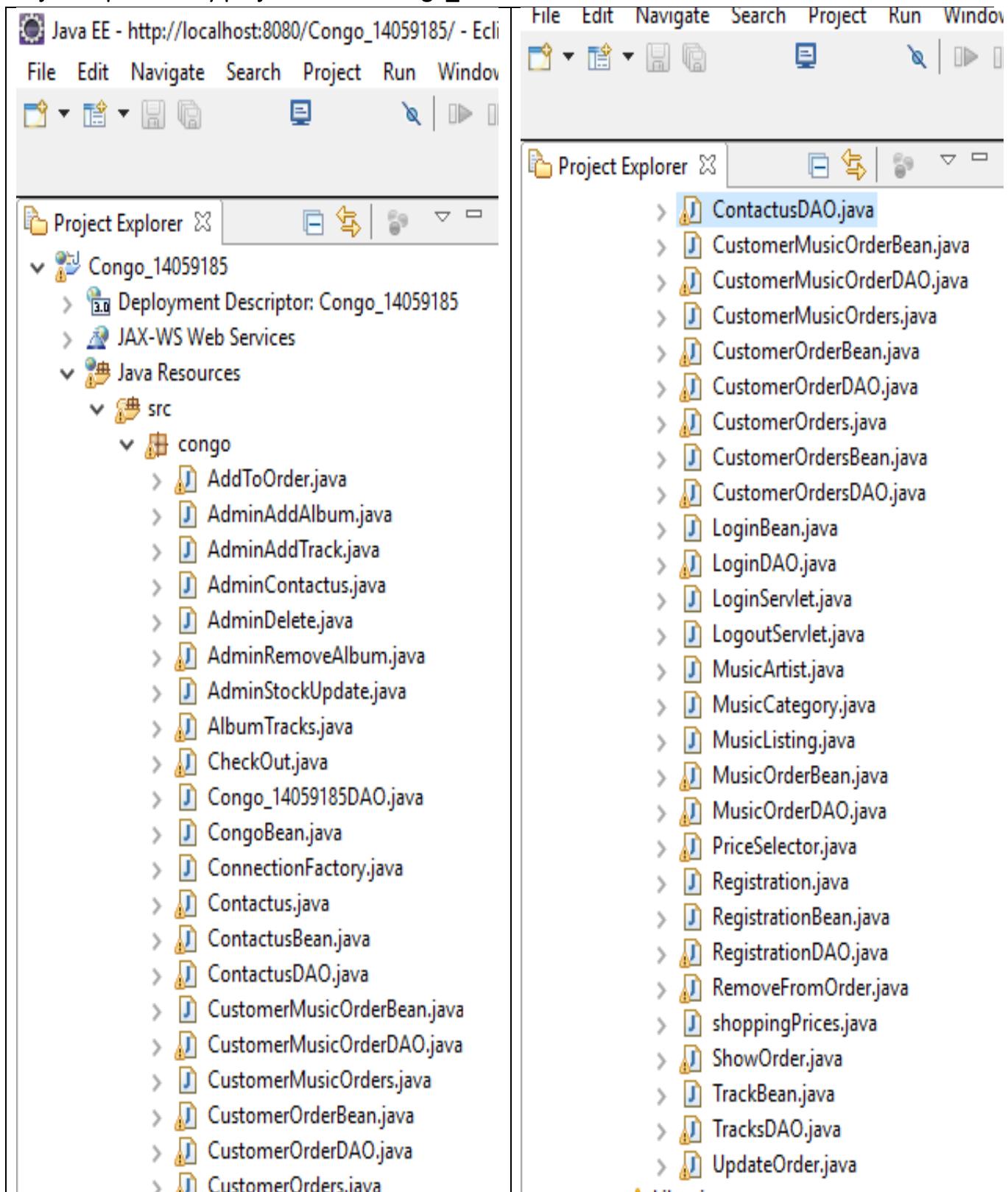
contact us table for customer queries

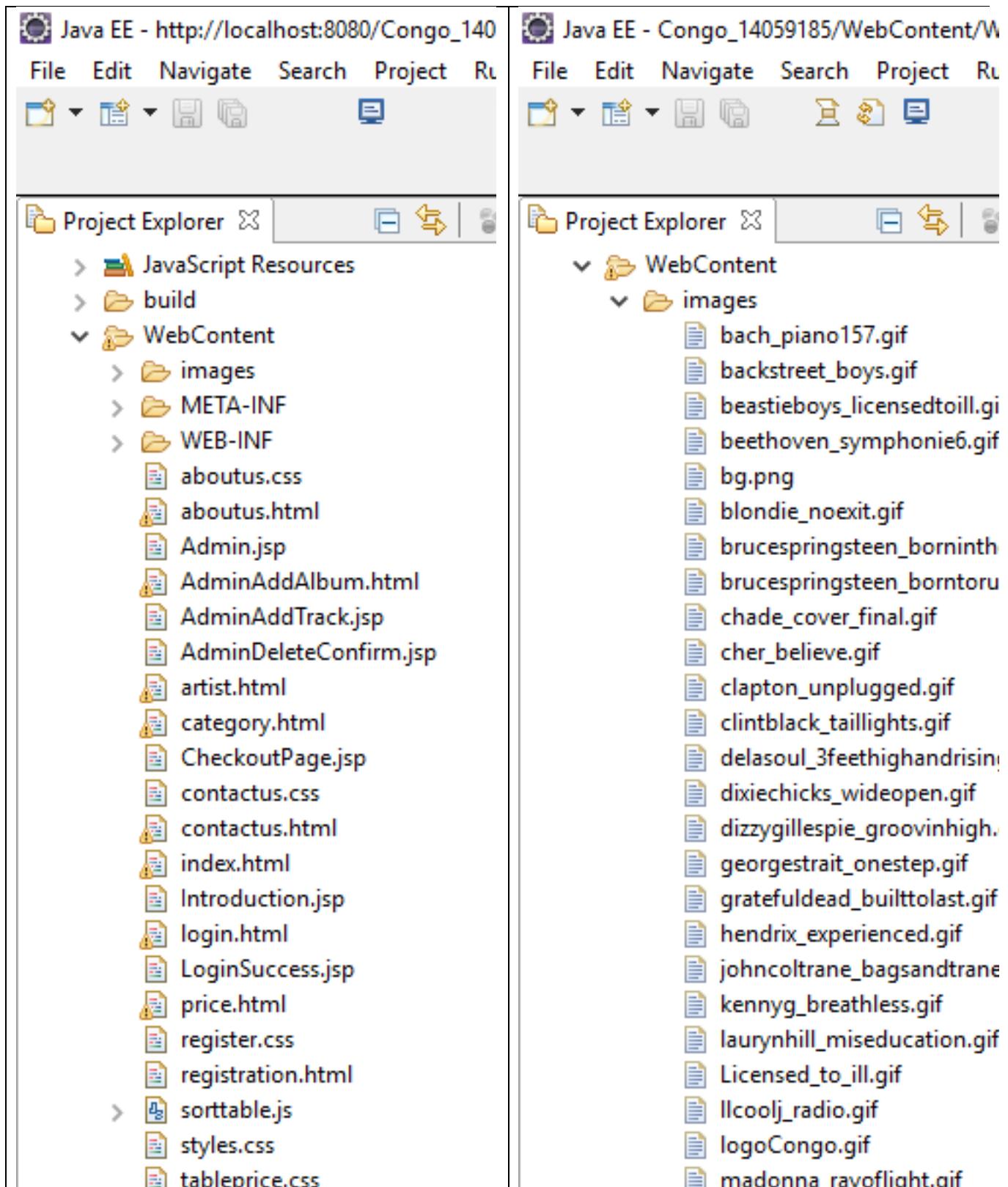
```
create table CONTACTUS
(id int(10) AUTO_INCREMENT,
name varchar(40),
email VARCHAR(40),
website VARCHAR(40),
comments VARCHAR(500),
sentDate Date,
CONSTRAINT contactus_id_pk PRIMARY KEY(id));
```

Screen Shots of Queries created by group members:

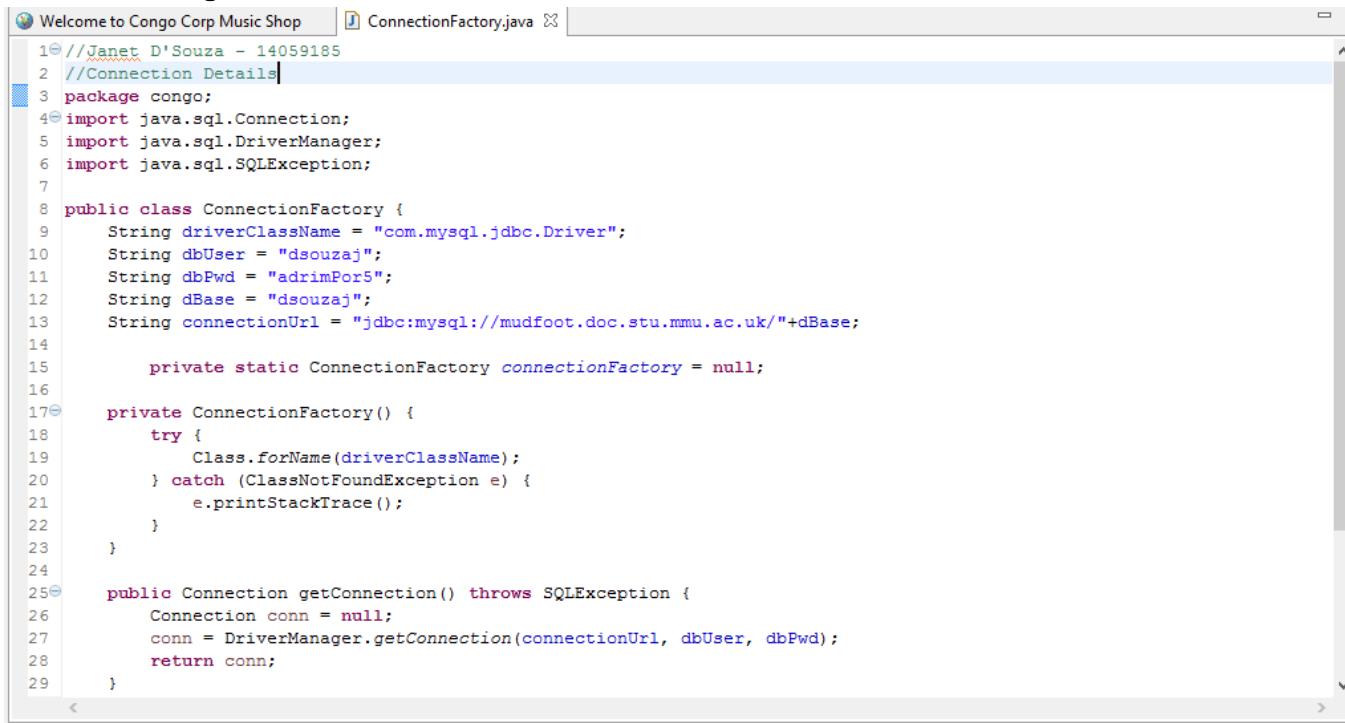
The home page has a button named music Lists when you click on that it shows all the Albums with album cover pictures. Title has a hyper link which leads to all the tracks in the album with the duration of each track in minutes and seconds.

Project Explorer - My project name is congo_14059185



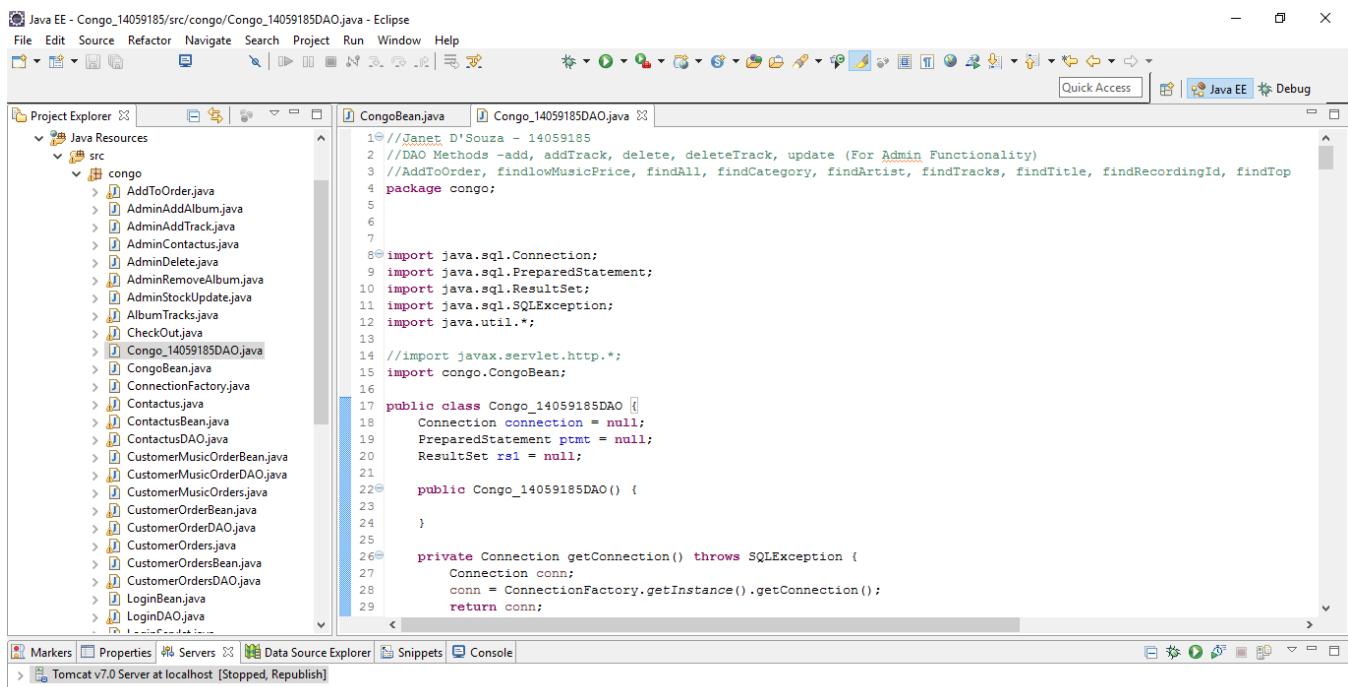


Connection Page



```
1 //Janet D'Souza - 14059185
2 //Connection Details
3 package congo;
4 import java.sql.Connection;
5 import java.sql.DriverManager;
6 import java.sql.SQLException;
7
8 public class ConnectionFactory {
9     String driverClassName = "com.mysql.jdbc.Driver";
10    String dbUser = "dsouzaj";
11    String dbPwd = "adrimPor5";
12    String dBase = "dsouzaj";
13    String connectionUrl = "jdbc:mysql://mudfoot.doc.stu.mmu.ac.uk/" + dBase;
14
15    private static ConnectionFactory connectionFactory = null;
16
17    private ConnectionFactory() {
18        try {
19            Class.forName(driverClassName);
20        } catch (ClassNotFoundException e) {
21            e.printStackTrace();
22        }
23    }
24
25    public Connection getConnection() throws SQLException {
26        Connection conn = null;
27        conn = DriverManager.getConnection(connectionUrl, dbUser, dbPwd);
28        return conn;
29    }
}
```

Congo_14059185DAO.java



Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```
1 //Janet D'Souza - 14059185
2 //DAO Methods - add, addTrack, delete, deleteTrack, update (For Admin Functionality)
3 //AddToOrder, findLowMusicPrice, findAll, findCategory, findArtist, findTracks, findTitle, findRecordingId, findTop
4 package congo;
5
6
7
8 import java.sql.Connection;
9 import java.sql.PreparedStatement;
10 import java.sql.ResultSet;
11 import java.sql.SQLException;
12 import java.util.*;
13
14 //import javax.servlet.http.*;
15 import congo.CongoBean;
16
17 public class Congo_14059185DAO {
18     Connection connection = null;
19     PreparedStatement ptmt = null;
20     ResultSet rs1 = null;
21
22     public Congo_14059185DAO() {
23
24     }
25
26     private Connection getConnection() throws SQLException {
27         Connection conn;
28         conn = ConnectionFactory.getInstance().getConnec
29     }
}
```

Project Explorer

- Java Resources
 - src
 - congo
 - AddToOrder.java
 - AdminAddAlbum.java
 - AdminAddTrack.java
 - AdminContactus.java
 - AdminDelete.java
 - AdminRemoveAlbum.java
 - AdminStockUpdate.java
 - AlbumTracks.java
 - CheckOut.java
 - Congo_14059185DAO.java
 - CongoBean.java
 - ConnectionFactory.java
 - Contactus.java
 - ContactusBean.java
 - ContactusDAO.java
 - CustomerMusicOrderBean.java
 - CustomerMusicOrderDAO.java
 - CustomerOrders.java
 - CustomerOrderBean.java
 - CustomerOrderDAO.java
 - CustomerOrdersDAO.java
 - LoginBean.java
 - LoginDAO.java

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java EE Debug

Project Explorer CongoBean.java Congo_14059185DAO.java

```

30    }
31
32 //adding a new album to the database- Music_recordings table
33 public void add(CongoBean music) {
34     try {
35
36         String queryString = "INSERT INTO music_recordings(recording_id,artist_name, title, category, image_name,num_tracks";
37         connection = getConnection();
38         ptmt = connection.prepareStatement(queryString);
39         ptmt.setInt(1, music.getRecordid());
40         ptmt.setString(2, music.getArtistName());
41         ptmt.setString(3, music.getTitle());
42         ptmt.setString(4, music.getCategory());
43         ptmt.setString(5, music.getImagename());
44         ptmt.setInt(6, music.getNooftracks());
45         ptmt.setFloat(7, music.getPrice());
46         ptmt.setInt(8, music.getStockcount());
47         ptmt.executeUpdate();
48         System.out.println("Data Added Successfully");
49     } catch (SQLException e) {
50         e.printStackTrace();
51     } finally {
52         try {
53             if (ptmt != null)
54                 ptmt.close();
55             if (connection != null)
56                 connection.close();
57         } catch (SQLException e) {
58             e.printStackTrace();
59         }
60     }
61 }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

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Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java EE Debug

Project Explorer CongoBean.java Congo_14059185DAO.java

```

66 //Adding tracks of the album in music_tracks table
67 public void addTrack(CongoBean music) {
68     try {
69
70         String queryString = "INSERT INTO music_tracks(recording_id,title, duration) VALUES(?, ?, ?)";
71         connection = getConnection();
72         ptmt = connection.prepareStatement(queryString);
73         ptmt.setInt(1, music.getRecordid());
74         ptmt.setString(2, music.getTitle());
75         ptmt.setInt(3, music.getDuration());
76         ptmt.executeUpdate();
77         System.out.println("Data Added Successfully");
78     } catch (SQLException e) {
79         e.printStackTrace();
80     } finally {
81         try {
82             if (ptmt != null)
83                 ptmt.close();
84             if (connection != null)
85                 connection.close();
86         } catch (SQLException e) {
87             e.printStackTrace();
88         } catch (Exception e) {
89             e.printStackTrace();
90         }
91     }
92 }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

95     //Deleting the Album based on the Album name
96     public void delete(String title) {
97
98         try {
99             String queryString = "DELETE FROM music_recordings WHERE title =?";
100            connection = getConnection();
101            pstmt = connection.prepareStatement(queryString);
102            pstmt.setString(1, title);
103            pstmt.executeUpdate();
104            System.out.println("Album deleted Successfully");
105        } catch (SQLException e) {
106            e.printStackTrace();
107        } finally {
108            try {
109                if (pstmt != null)
110                    pstmt.close();
111                if (connection != null)
112                    connection.close();
113            } catch (SQLException e) {
114                e.printStackTrace();
115            } catch (Exception e) {
116                e.printStackTrace();
117            }
118        }
119    }
120
121
122
123

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

123     //Deleting all the tracks of the album based on the recording id
124     public void deleteTracks(int recordingId) {
125
126         try {
127             String queryString = "DELETE FROM music_tracks WHERE recording_id =?";
128             connection = getConnection();
129             pstmt = connection.prepareStatement(queryString);
130             pstmt.setInt(1, recordingId);
131             pstmt.executeUpdate();
132             System.out.println(recordingId);
133             System.out.println("Tracks deleted Successfully");
134         } catch (SQLException e) {
135             e.printStackTrace();
136         } finally {
137             try {
138                 if (pstmt != null)
139                     pstmt.close();
140                 if (connection != null)
141                     connection.close();
142             } catch (SQLException e) {
143                 e.printStackTrace();
144             } catch (Exception e) {
145                 e.printStackTrace();
146             }
147         }
148
149
150
151

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

123     //Deleting all the tracks of the album based on the recording id
124     public void deleteTracks(int recordingId) {
125
126         try {
127             String queryString = "DELETE FROM music_tracks WHERE recording_id =?";
128             connection = getConnection();
129             pstmt = connection.prepareStatement(queryString);
130             pstmt.setInt(1, recordingId);
131             pstmt.executeUpdate();
132             System.out.println(recordingId);
133             System.out.println("Tracks deleted Successfully");
134         } catch (SQLException e) {
135             e.printStackTrace();
136         } finally {
137             try {
138                 if (pstmt != null)
139                     pstmt.close();
140                 if (connection != null)
141                     connection.close();
142             } catch (SQLException e) {
143                 e.printStackTrace();
144             } catch (Exception e) {
145                 e.printStackTrace();
146             }
147         }
148     }
149
150 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

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Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

181     //Add the album to the order or cart
182     public CongoBean AddToOrder(String name) {
183         /* this method will take the artist name and return a list of all music Albums of that artist
184         */
185         CongoBean congo=new CongoBean();
186         try {
187             String queryString = "SELECT * FROM music_recordings where artist_name='"+name+"'";
188             connection = getConnection();
189             pstmt = connection.prepareStatement(queryString);
190             rs1 = pstmt.executeQuery();
191             if(rs1.next())
192             {
193                 congo.setArtistName(rs1.getString("artist_name"));
194                 congo.setTitle(rs1.getString("title"));
195                 congo.setCategory(rs1.getString("category"));
196                 congo.setPrice(rs1.getFloat("price"));
197                 congo.setRecordId(rs1.getInt("recording_id"));
198             }
199         } catch (SQLException e) {
200             e.printStackTrace();
201         } finally {
202             try {
203                 if (rs1 != null)
204                     rs1.close();
205                 if (pstmt != null)
206                     pstmt.close();
207                 if (connection != null)
208                     connection.close();
209             } catch (SQLException e) {
210             }
211         }
212     }
213 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

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Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

222     //Display albums based on the chosen price range
223     public ArrayList<CongoBean> findlowMusicPrice(float p){
224         /*
225          * this method will take the price p and return a list of all music recordings less than or equal to p
226         */
227         ArrayList<CongoBean> congos = null;
228
229         try {
230             String queryString = "SELECT * FROM music_recordings where price<=" + p;
231             connection = getConnection();
232             pstmt = connection.prepareStatement(queryString);
233             rs1 = pstmt.executeQuery();
234
235             congos = new ArrayList<CongoBean>();
236             while (rs1.next()) {
237                 CongoBean temp = new CongoBean();
238                 temp.setArtistName(rs1.getString("artist_name"));
239                 temp.setTitle(rs1.getString("title"));
240                 temp.setCategory(rs1.getString("category"));
241                 temp.setImageName(rs1.getString("image_name"));
242                 temp.setNooftracks(rs1.getInt("num_tracks"));
243                 temp.setPrice(rs1.getFloat("price"));
244                 temp.setStockcount(rs1.getInt("stock_count"));
245                 congos.add(temp);
246             }
247         } catch (SQLException e) {
248             e.printStackTrace();
249         } finally {
250

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable Smart Insert 209:18

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

270     //Display all Music listings
271     public ArrayList<CongoBean> findAll() {
272         ArrayList<CongoBean> congos = null;
273         try {
274             String queryString = "SELECT * FROM music_recordings where stock_count > 0";
275             connection = getConnection();
276             pstmt = connection.prepareStatement(queryString);
277             rs1 = pstmt.executeQuery();
278             congos = new ArrayList<CongoBean>();
279             while (rs1.next()) {
280                 CongoBean temp = new CongoBean();
281                 temp.setRecordId(rs1.getInt("recording_id"));
282                 temp.setArtistName(rs1.getString("artist_name"));
283                 temp.setTitle(rs1.getString("title"));
284                 temp.setCategory(rs1.getString("category"));
285                 temp.setImageName(rs1.getString("image_name"));
286                 temp.setNooftracks(rs1.getInt("num_tracks"));
287                 temp.setPrice(rs1.getFloat("price"));
288                 temp.setStockcount(rs1.getInt("stock_count"));
289                 congos.add(temp);
290             }
291         } catch (SQLException e) {
292             e.printStackTrace();
293         } finally {
294             try {
295                 if (rs1 != null)
296                     rs1.close();
297                 if (pstmt != null)
298                     pstmt.close();

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

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Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer | CongoBean.java | Congo_14059185DAO.java |

```

312     /*this method returns music details depends on chosen category
313     *
314     */
315     public ArrayList<CongoBean> findCategory(String category){
316         ArrayList<CongoBean> congos = null;
317         try {
318             String queryString = "SELECT * FROM music_recordings where category like '"+category+"'";
319             connection = getConnection();
320             pstmt = connection.prepareStatement(queryString);
321             rsl = pstmt.executeQuery();
322             congos = new ArrayList<CongoBean>();
323             while (rsl.next()) {
324                 CongoBean temp = new CongoBean();
325                 temp.setRecordid(rsl.getInt("recording_id"));
326                 temp.setArtistName(rsl.getString("artist_name"));
327                 temp.setTitle(rsl.getString("title"));
328                 temp.setCategory(rsl.getString("category"));
329                 temp.setImageName(rsl.getString("image_name"));
330                 temp.setNooftracks(rsl.getInt("num_tracks"));
331                 temp.setPrice(rsl.getFloat("price"));
332                 temp.setStockcount(rsl.getInt("stock_count"));
333                 congos.add(temp);
334             }
335         } catch (SQLException e) {
336             e.printStackTrace();
337         } finally {
338             try {
339                 if (rsl != null)
340                     rsl.close();
341             }
342         }
343     }
344 }
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable | Smart Insert | 340:33

Search the web and Windows 2049 18/12/2015

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer | CongoBean.java | *Congo_14059185DAO.java |

```

356     /*this method returns music details depends on artist name
357     you can type artist name lower upper or any case.
358     */
359     public ArrayList<CongoBean> findArtist(String artistname){
360         ArrayList<CongoBean> congos = null;
361         try {
362             String queryString = "select * from music_recordings where concat(ucase(substr(artist_name,1,1)),substr(artist_name,2))";
363             connection = getConnection();
364             pstmt = connection.prepareStatement(queryString);
365             rsl = pstmt.executeQuery();
366             congos = new ArrayList<CongoBean>();
367             while (rsl.next()) {
368                 CongoBean temp = new CongoBean();
369                 temp.setRecordid(rsl.getInt("recording_id"));
370                 temp.setArtistName(rsl.getString("artist_name"));
371                 temp.setTitle(rsl.getString("title"));
372                 temp.setCategory(rsl.getString("category"));
373                 temp.setImageName(rsl.getString("image_name"));
374                 temp.setNooftracks(rsl.getInt("num_tracks"));
375                 temp.setPrice(rsl.getFloat("price"));
376                 temp.setStockcount(rsl.getInt("stock_count"));
377                 congos.add(temp);
378             }
379         } catch (SQLException e) {
380             e.printStackTrace();
381         } finally {
382             try {
383                 if (rsl != null)
384                     rsl.close();
385             }
386         }
387     }
388 }
```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable | Smart Insert | 383:33

Search the web and Windows 2053 18/12/2015

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer | *Congo_14059185DAO.java | Java EE | Debug

Java Resources

src

- congo
 - AddToOrder.java
 - AdminAddAlbum.java
 - AdminAddTrack.java
 - AdminContactus.java
 - AdminDelete.java
 - AdminRemoveAlbum.java
 - AdminStockUpdate.java
 - AlbumTracks.java
 - CheckOut.java
 - Congo_14059185DAO.java
 - CongoBean.java
 - ConnectionFactory.java
 - Contactus.java
 - ContactusDAO.java
 - CustomerMusicOrderBean.java
 - CustomerMusicOrderDAO.java
 - CustomerOrders.java
 - CustomerOrdersBean.java
 - CustomerOrdersDAO.java

CongoBean.java

```

398 //Show all the tracks of the Album based on the recording id it will display song duration in minutes and seconds
399 public ArrayList<TrackBean> findTracks(int id){
400     ArrayList<TrackBean> congos = null;
401     try {
402         String queryString = "select * from music_tracks where recording_id=" + id;
403         connection = getConnection();
404         pmt = connection.prepareStatement(queryString);
405         rs1 = pmt.executeQuery();
406         congos = new ArrayList<TrackBean>();
407         while (rs1.next()) {
408             TrackBean temp = new TrackBean();
409             temp.setTrackId(rs1.getInt("recording_id"));
410             temp.setTitle(rs1.getString("title"));
411             temp.setDuration(rs1.getInt("duration"));
412             congos.add(temp);
413         }
414     } catch (SQLException e) {
415         e.printStackTrace();
416     } finally {
417         try {
418             if (rs1 != null)
419                 rs1.close();
420             if (pmt != null)
421                 pmt.close();
422             if (connection != null)
423                 connection.close();
424         } catch (SQLException e) {
425             e.printStackTrace();
426         }
427     }

```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable | Smart Insert | 426:37

Search the web and Windows

20:56 18/12/2015

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer | Congo_14059185DAO.java | Java EE | Debug

Java Resources

src

- congo
 - AddToOrder.java
 - AdminAddAlbum.java
 - AdminAddTrack.java
 - AdminContactus.java
 - AdminDelete.java
 - AdminRemoveAlbum.java
 - AdminStockUpdate.java
 - AlbumTracks.java
 - CheckOut.java
 - Congo_14059185DAO.java
 - CongoBean.java
 - ConnectionFactory.java
 - Contactus.java
 - ContactusDAO.java
 - CustomerMusicOrderBean.java
 - CustomerMusicOrderDAO.java
 - CustomerOrders.java
 - CustomerOrdersBean.java
 - CustomerOrdersDAO.java

Congo_14059185DAO.java

```

436 //Display the stock count based on the Album title
437 @Override
438 public int findTitle(String title) {
439     int count = 0;
440     try {
441         String queryString = "select stock_count from music_recordings where title like '%" + title + "%'";
442         connection = getConnection();
443         pmt = connection.prepareStatement(queryString);
444         rs1 = pmt.executeQuery();
445         while (rs1.next()) {
446             count = rs1.getInt("stock_count");
447         }
448         rs1.close();
449         return count;
450     } catch (SQLException e) {
451         e.printStackTrace();
452     } finally {
453         try {
454             if (rs1 != null)
455                 rs1.close();
456             if (pmt != null)
457                 pmt.close();
458             if (connection != null)
459                 connection.close();
460         } catch (SQLException e) {
461             e.printStackTrace();
462         } catch (Exception e) {
463             e.printStackTrace();
464         }
465     }

```

Markers | Properties | Servers | Data Source Explorer | Snippets | Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable | Smart Insert | 464:10

Search the web and Windows

21:00 Speakers: 58% 5

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

468 //finding the recording id based on the album title
469 public int findRecordingId(String title){
470     int recording_id=0;
471     try {
472         String queryString = "select recording_id from music_recordings where title like '"+title+"'";
473         connection = getConnection();
474         pmt = connection.prepareStatement(queryString);
475         rs1 = pmt.executeQuery();
476         while (rs1.next()){
477             recording_id = rs1.getInt("recording_id");
478         }
479         rs1.close ();
480         return recording_id;
481     } catch (SQLException e) {
482         e.printStackTrace();
483     } finally {
484         try {
485             if (rs1 != null)
486                 rs1.close();
487             if (pmt != null)
488                 pmt.close();
489             if (connection != null)
490                 connection.close();
491         } catch (SQLException e) {
492             e.printStackTrace();
493         } catch (Exception e) {
494             e.printStackTrace();
495         }
496     }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable Smart Insert 494:32

Java EE - Congo_14059185/src/congo/Congo_14059185DAO.java - Eclipse

```

501 //find top method is used to find the highest recording id which is used while inserting record in
502 //the order table to keep track of customer order
503 public int findTop() {
504     int recordingId=0;
505     try {
506         String queryString = "select recording_id from music_recordings order by recording_id DESC LIMIT 1";
507         connection = getConnection();
508         pmt = connection.prepareStatement(queryString);
509         rs1 = pmt.executeQuery();
510         while (rs1.next()){
511             recordingId = rs1.getInt("recording_id");
512         }
513         rs1.close ();
514         return recordingId;
515     } catch (SQLException e) {
516         e.printStackTrace();
517     } finally {
518         try {
519             if (rs1 != null)
520                 rs1.close();
521             if (pmt != null)
522                 pmt.close();
523             if (connection != null)
524                 connection.close();
525         } catch (SQLException e) {
526             e.printStackTrace();
527         }
528     }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Writable Smart Insert 502:50

CongoBean.java –used to get the values and set the values to the database

The screenshot shows the Eclipse IDE interface with the following details:

- Title Bar:** Java EE - Congo_14059185/src/congo/CongoBean.java - Eclipse
- Toolbar:** File Edit Source Refactor Navigate Search Project Run Window Help
- Project Explorer:** Shows the project structure under the src folder, including various Java files like AddToOrder.java, AdminAddAlbum.java, etc.
- Code Editor:** Displays the CongoBean.java code, which defines a class that implements Serializable. It includes private fields for id, name, title, category, imagename, nooftracks, duration, price, and stockcount. It has a constructor and a parameterized constructor that initializes these fields.
- Bottom Bar:** Markers, Properties, Servers, Data Source Explorer, Snippets, Console. The Console tab shows "Tomcat v7.0 Server at localhost [Stopped, Republish]".
- System Tray:** Shows "BEATITUDE-5G 39 Internet access /2015".

The screenshot shows the Eclipse IDE interface with the following details:

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- Code Editor:** Displays the CongoBean.java code, which defines a class that implements Serializable. It includes private fields for id, name, title, category, and price. It has a constructor and a parameterized constructor that initializes these fields. The code also includes several getter and setter methods for each field, along with a toString method.
- Bottom Bar:** Markers, Properties, Servers, Data Source Explorer, Snippets, Console. The Console tab shows "Tomcat v7.0 Server at localhost [Stopped, Republish]".
- System Tray:** Shows "BEATITUDE-5G 39 Internet access /2015".

Java EE - Congo_14059185/src/congo/CongoBean.java - Eclipse

```
File Edit Source Refactor Search Project Run Window Help
Quick Access Java EE Debug

Project Explorer * CongoBean.java Congo_14059185DAO.java
src
  congo
    AddToOrder.java
    AdminAddAlbum.java
    AdminAddTrack.java
    AdminContactus.java
    AdminDelete.java
    AdminRemoveAlbum.java
    AdminStockUpdate.java
    AlbumTracks.java
    CheckOut.java
    Congo_14059185DAO.java
    CongoBean.java
    ConnectionFactory.java
    Contactus.java
    ContactusBean.java
    ContactusDAO.java
    CustomerMusicOrderBean.java
    CustomerMusicOrderDAO.java
    CustomerMusicOrders.java
    CustomerOrderBean.java
    CustomerOrderDAO.java
    CustomerOrders.java
    CustomerOrdersBean.java
    CustomerOrdersDAO.java
    LoginBean.java

Markers Properties Servers Data Source Explorer Snippets Console
Tomcat v7.0 Server at localhost [Stopped, Republish]
```

Java EE - Congo_14059185/src/congo/CongoBean.java - Eclipse

```
File Edit Source Refactor Search Project Run Window Help
Quick Access Java EE Debug

Project Explorer * CongoBean.java Congo_14059185DAO.java
src
  congo
    AddToOrder.java
    AdminAddAlbum.java
    AdminAddTrack.java
    AdminContactus.java
    AdminDelete.java
    AdminRemoveAlbum.java
    AdminStockUpdate.java
    AlbumTracks.java
    CheckOut.java
    Congo_14059185DAO.java
    CongoBean.java
    ConnectionFactory.java
    Contactus.java
    ContactusBean.java
    ContactusDAO.java
    CustomerMusicOrderBean.java
    CustomerMusicOrderDAO.java
    CustomerMusicOrders.java
    CustomerOrderBean.java
    CustomerOrderDAO.java
    CustomerOrders.java
    CustomerOrdersBean.java
    CustomerOrdersDAO.java
    LoginBean.java

Markers Properties Servers Data Source Explorer Snippets Console
Tomcat v7.0 Server at localhost [Stopped, Republish]
```

About Us Page

Java EE - Congo_14059185/WebContent/aboutus.html - Eclipse

File Edit Source Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java LoginDAO.java AddToOrder.java Contactus.java aboutus.html

```
<body>
<form class="form">
<div id="main"><!-- Defining submain content section -->
<p class="para">
    <label for="para">The Music Shop offers a quality and friendly service with competitive prices. Stocking a wide range of Albums
    The Music Shop is proud to be able to offer their exclusive service providing the oldest and latest albums.
    Well, we do! So have a look round our website and then why not give us a call or visit us today. If you can't manage into the shop
    Visit Us
    The Music Shop, Congo Corp
    Opening Hours
    We love to meet our customers face to face so if you want to have a browse through everything we sell, ask us a question, or perhaps
    </label>
    </p>
</div>
</form>
<h2>The Music Shop is open:</h2>
<table style="width:100%">
<tr><td>Monday:</td> <td>09:15 – 17:30</td></tr>
<tr><td>Tuesday:</td> <td>09:15 – 17:30</td></tr>
<tr><td>Wednesday:</td> <td>09:15 – 17:30</td></tr>
<tr><td>Thursday:</td> <td>09:15 – 17:30</td></tr>
<tr><td>Friday:</td> <td>09:15 – 17:30</td></tr>
<tr><td>Saturday:</td> <td>09:15 – 17:30</td></tr>
<tr><td>Sunday:</td> <td>closed</td></tr>
</table>
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 2:1

Search the web and Windows Desktop 10:11 19/12/2015

localhost:8080/Congo_14059185/aboutus.html

The Music Shop offers a quality and friendly service with competitive prices. Stocking a wide range of Albums of various artist, which includes classical, hip hop, jazz, pop and the largest selection of Sheet Music. The Music Shop is proud to be able to offer their exclusive service providing the oldest and latest albums. Well, we do! So have a look round our website and then why not give us a call or visit us today. If you can't manage into the shop you can also keep up to date with what's going on at shop by liking us on Facebook. Visit Us The Music Shop, Congo Corp Opening Hours We love to meet our customers face to face so if you want to have a browse through everything we sell, ask us a question, or perhaps get some advice on something, the best thing is to pop in and see us.

The Music Shop is open:

| | |
|------------|---------------|
| Monday: | 09:15 – 17:30 |
| Tuesday: | 09:15 – 17:30 |
| Wednesday: | 09:15 – 17:30 |
| Thursday: | 09:15 – 17:30 |
| Friday: | 09:15 – 17:30 |
| Saturday: | 09:15 – 17:30 |
| Sunday: | closed |

How to Find Us

We're based in Newton Heath, very close to Manchester town.

Music Listing Java Code

Java EE - Congo_14059185/src/congo/MusicListing.java - Eclipse

```

1 //to display all the album details
2 package congo;
3 import java.io.*;
4 import java.util.ArrayList;
5 import javax.servlet.*;
6 import javax.servlet.annotation.WebServlet;
7 import javax.servlet.http.HttpServlet;
8 import javax.servlet.http.HttpServletRequest;
9 import javax.servlet.http.HttpServletResponse;
10 import congo.CongoBean;
11 import congo.Congo_14059185DAO;
12
13 /**
14  * Servlet implementation class MusicListing
15 */
16 @WebServlet("/MusicListing")
17 public class MusicListing extends HttpServlet {
18     private static final long serialVersionUID = 1L;
19
20     /**
21      * @see HttpServlet#HttpServlet()
22     */
23     public MusicListing() {
24         super();
25         // TODO Auto-generated constructor stub
26     }
27
28     /**
29      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

```

Project Explorer | CongoBean.java | Congo_14059185DAO.java | MusicListing.java | Quick Access | Java EE | Debug

File Edit Source Refactor Navigate Project Run Window Help

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Publish]

Java EE - Congo_14059185/src/congo/MusicListing.java - Eclipse

```

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    // TODO Auto-generated method stub
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    Congo_14059185DAO cconnect = new Congo_14059185DAO();
    ArrayList<CongoBean> congos = cconnect.findAll();
    //title and menu bar is displayed with the following code
    out.println("<head><title>Welcome to Congo Corp Music Shop</title>" +
    "<meta charset='utf-8'>" +
    "<LINK REL=StyleSheet HREF='styles.css' TYPE='text/css' />" +
    "<meta name='viewport' content='width=device-width, initial-scale=1.0'" +
    "<div id='header'>" +
    "<img class='headr' src='images/logoCongo.gif'><br>" +
    "</div>" +
    "<script src='sorttable.js'></script>" +
    "</head>" +
    "<body>" +
    "<ul class='menu'>" +
    "<li><a href='index.html'>Home</a></li>" +
    "<li><a href='#!'>Music search</a>" +
    "<ul>" +
    "    <li><a href='price.html' class='price'>By Price</a></li>" +
    "    <li><a href='artist.html' class='artist'>By Artist</a></li>" +
    "    <li><a href='category.html' class='category'>By Category</a></li>" +
    "</ul>" +
    "</li>" +
    "<li><a href='shoppingPrices'>Shopping</a></li>" +
    "<li><a href='contactus.html'>Contact Us</a></li>" +
    "<li><a href='help.html'>Help</a></li> "
}

```

Project Explorer | CongoBean.java | Congo_14059185DAO.java | MusicListing.java | Quick Access | Java EE | Debug

File Edit Source Refactor Navigate Project Run Window Help

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Publish]

Java EE - Congo_14059185/src/congo/MusicListing.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

CongoBean.java Congo_14059185DAO.java *MusicListing.java

```

62 out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p></form>");
63 int count=0;
64
65 out.println("<table border='1' class='sortable'><tr><th>Sr. No.</th><th>Artist Name</th><th>Title</th><th>Category</th><th>Album</th></tr>");
66     for (CongoBean c : congos){
67         count++;
68         out.println("<td> " +count + "</td>");
69         out.println("<td> " + c.getArtistName() + "</td>");
70         out.println("<td>"+c.getRecordId() +">" +c.getTitle() + "</td>"); //for hyperlink
71         out.println("<td> " + c.getCategory() + "</td>");
72         String path="images/" +c.getImagename();
73         out.println("<td><img src='"+path+"' /></td>"); //for image
74         out.println("<td> " + c.getNooftracks() + "</td>"); //for integer
75         out.println("<td> " + c.getPrice() + "</td>"); //for float
76         out.println("</tr>"); //for closing tag
77     }
78     out.println("</table>"); //for closing tag
79     out.println("<br>Press <a href='index.html'>here</a> to Go back");
80 }
81
82 /**
83 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
84 */
85 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
86     doGet(request, response);
87 }
88
89 }
90 
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Stopped, Republish]

Music List – HTML Code

Java EE - Congo_14059185/WebContent/index.html - Eclipse

File Edit Source Navigate Search Project Run Window Help

CongoBean.java Congo_14059185DAO.java *index.html

```

3<head>
4 <title>Welcome to Congo Corp Music Shop</title>
5 <meta charset="utf-8">
6 <LINK REL="StyleSheet" HREF="styles.css" TYPE="text/css"/>
7 <meta name="viewport" content="width=device-width, initial-scale=1.0">
8<div id="header">
9 <br>
10 <!--
11 </div>
12 </head>
13
14<body>
15<ul class="menu">
16 <li><a href="index.html">Home</a></li>
17 <li><a href="aboutus.html">About Us</a></li>
18 <li><a href="#">Music Search</a>
19     <ul>
20         <li><a href="index.html" class="album">All Albums</a></li>
21         <li><a href="artist.html" class="artist">By Artist</a></li>
22         <li><a href="category.html" class="category">By Category</a></li>
23         <li><a href="price.html" class="price">By Price</a></li>
24     </ul>
25 </li>
26 <li><a href="shoppingPrices">Shopping</a></li>
27 <li><a href="#">Login</a>
28     <ul><li><a href="registration.html" class="app">Register</a></li>
29     <li><a href="login.html" class="website">Sign-In</a></li>
30   </ul>
31 </li>
</ul>
```

Markers Properties Servers Data Source Explorer Snippets Console

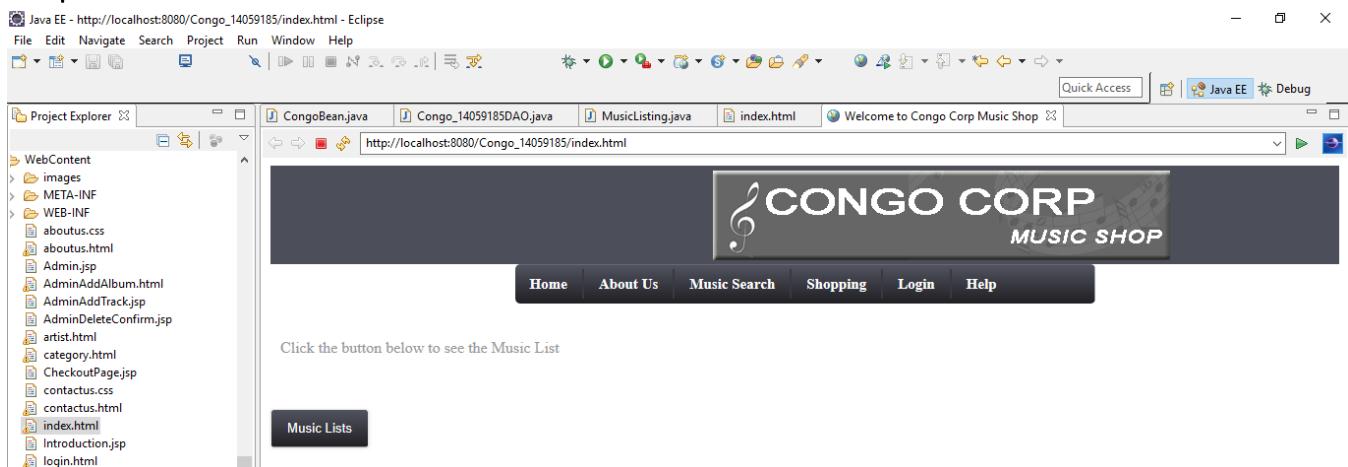
Tomcat v7.0 Server at localhost [Stopped, Republish]

Index.html

The screenshot shows the Eclipse IDE interface with the 'index.html' file open in the code editor. The code is a standard HTML page with navigation links and a form for viewing a music list. The code editor has syntax highlighting for HTML and Java.

```
</ul>
</li>
<li><a href="shoppingPrices">Shopping</a></li>
<li><a href="#">Login</a>
<ul><li><a href="registration.html" class="app">Register</a></li>
<li><a href="login.html" class="website">Sign-In</a></li>
</ul>
</li>
<li><a href="#">Help</a></li>
</ul>
<form action="MusicListing" class="form">
<div id="main"><!-- Defining submain content section -->
<p class="para">
<label for="para">Click the button below to see the Music List</label>
</p>
<div>
<p class="submit">
<input type="submit" name="bMusic" value="Music Lists">
</p>
</div>
<br> <a href="shoppingPrices">Let me buy some music albums</a>
<!-- Defining the footer section of the page -->
<div class="link" href="#">Congo Corp
```

Output of index.html file



When you click on the music Lists button output is

localhost:8080/Congo_14059185/MusicListing?bMusic=Music+Lists

The screenshot shows a web browser displaying a music listing page. The header features the Congo Corp logo with a stylized note icon. Below the header is a navigation menu with links for Home, Music search, Shopping, Contact Us, and Help. A "Go Back" button is located on the left. The main content area displays a table with columns: Sr. No., Artist Name, Title, Category, Album Cover, No. of Tracks, and Price. The table contains four rows of data:

| Sr. No. | Artist Name | Title | Category | Album Cover | No. of Tracks | Price |
|---------|--------------------|---------------------------------------|-----------|-------------|---------------|-------|
| 1 | Beethoven | Symphonie no 6 | Classical | | 2 | 15.99 |
| 2 | Glenn Gould - Bach | Concertos 1-7 | Classical | | 9 | 15.99 |
| 3 | Mahler | Symphonie no 1 | Classical | | 8 | 13.99 |
| 4 | Clint Black | Nothing But Tailights | Country | | 12 | 10.99 |

Search by Price Page

HTML

Java EE - Congo_14059185/WebContent/price.html - Eclipse

File Edit Source Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java LoginDAO.java AddToOrder.java Contactus.java aboutus.html *price.html

```

<ul>
<li><a href="#">Home</a></li>
<li><a href="#">Music search</a></li>
<li><a href="#">Shopping</a></li>
<li><a href="#">Contact Us</a></li>
<li><a href="#">Help</a></li>
</ul>

<div id="main"><!-- Defining submain content section -->
<p class="para">
<p class="range">What is your Price Range?</p>
<select name="priceRange">
<option value="9.99"> less then equal to £9.99</option>
<option value="10.99" selected>less then equal to £10.99</option>
<option value="11.99"> less then equal to £11.99</option>
<option value="12.99"> less then equal to £12.99</option>
<option value="13.99"> less then equal to £13.99</option>
<option value="14.99"> less then equal to £14.99</option>
<option value="15.99"> less then equal to £15.99</option>
</select>
<p class="show">Show all the Albums which are in the selected Range</p>
<p class="submit">
<input type="submit" value="List Albums">
</p>
</div>

<!-- Defining the footer section of the page -->
<div class="link"><a href="#">Congo Corp</a><br />
</div>

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

#text

Search the web and Windows Writable Smart Insert 1:34

10:40 19/12/2015

CONGO CORP

MUSIC SHOP

[Home](#) [About Us](#) [Music Search](#) [Shopping](#) [Help](#)

What is your Price Range?

Show all the Albums which are in the selected Range

[List Albums](#)

Congo Corp

CONGO CORP

MUSIC SHOP

[Home](#) [About Us](#) [Music search](#) [Contact Us](#) [Help](#)

[Go Back](#)

| Name | Toppings | Price | Image | Artist | Length | Price | Quantity |
|-------------|-----------------------|---------|-------|-------------|--------|-------|----------|
| Clint Black | Nothing But Tailights | Country | | CLINT BLACK | 12 | 10.99 | 850 |
| De La Soul | 3 Feet High n Rising | Hip-Hop | | De La Soul | 24 | 10.99 | 455 |
| L.L. Cool J | Radio | Hip-Hop | | L.L. COOL J | 10 | 10.99 | 605 |
| Nas | It Was Written | Hip-Hop | | NAS | 13 | 10.99 | 746 |

JAVA SERVLET

Java EE - Congo_14059185/src/congo/PriceSelector.java - Eclipse

```

1 // Janet D'Souza -14059185
2 //File to display price range based on chosen value from combo box
3 package congo;
4
5 import java.io.*;
6 /**
7  * Servlet implementation class PizzaList
8 */
9 public class PriceSelector extends HttpServlet {
10
11    /**
12     * @see HttpServlet#HttpServlet()
13     */
14    public PriceSelector() {
15        super();
16        // TODO Auto-generated constructor stub
17    }
18
19    /**
20     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
21     */
22    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
23
24        response.setContentType("text/html");
25        PrintWriter out = response.getWriter();
26
27    }
28
29}
30
31 /**
32  * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
33 */
34
35
36
37
38
39
40
41
42
43
44
45
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67

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 2:67

Search the web and Windows 10:45 19/12/2015

Java EE - Congo_14059185/src/congo/PriceSelector.java - Eclipse

```

39     /get parameter
40     String mprice=request.getParameter("priceRange");
41     Congo_14059185DAO cconnect = new Congo_14059185DAO();
42     ArrayList<CongoBean> congos = cconnect.findlowMusicPrice(Float.parseFloat(mprice));
43     out.println("<head><title>Welcome to Congo Corp Music Shop</title>" +
44             "<meta charset='utf-8'>" +
45             "<LINK REL=StyleSheet HREF='styles.css' TYPE='text/css'>" +
46             "<meta name='viewport' content='width=device-width, initial-scale=1.0'>" +
47             "<div id='header'>" +
48             "<img class='headr' src='images/logoCongo.gif'><br>" +
49             "</div>" +
50             "</head>" +
51             "<body>" +
52             "<ul class='menu'>" +
53             "<li><a href='index.html'>Home</a></li>" +
54             "<li><a href='aboutus.html'>About Us</a></li>" +
55             "<li><a href='#'>Music search</a>" +
56             "    <ul>" +
57             "        <li><a href='price.html' class='price'>By Price</a></li>" +
58             "        <li><a href='artist.html' class='artist'>By Artist</a></li>" +
59             "        <li><a href='category.html' class='category'>By Category</a></li>" +
60             "    </ul>" +
61             "</li>" +
62             "<li><a href='contactus.html'>Contact Us</a></li>" +
63             "<li><a href='help.html'>Help</a></li>" +
64             "</ul>" ;
65
66         out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p></form>" );
67     {

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 42:9

Search the web and Windows 10:46 19/12/2015

Java EE - Congo_14059185/src/congo/PriceSelector.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Con... shoppingPrices... LoginDAO.java AddToOrder.java Contactus.java aboutus.html price.html *PriceSelector...

```

55
56     out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p></fo
57     {
58         out.println("Sorry choose price within the range");
59     }
60     else
61     {
62         out.println("<table border='1'><tr><th>Name</th><th>Toppings</th><th>Price</th></tr>");
63         for (CongoBean c : congos)
64         {
65             //out.println("<tr><td><a href=\"PriceSelector?artistname=" + c.getArtistName() + "\">" + c.getArtistName()
66             out.println("<tr><td>" + c.getArtistName() + "</td>");
67             out.println("<td>" + c.getTitle() + "</td>");
68             out.println("<td>" + c.getCategory() + "</td>");
69             String path="images/" + c.getImagename();
70             out.println("<td><img src='"+path+"' /></td>");
71             out.println("<td>" + c.getNooftracks() + "</td>");
72             out.println("<td>" + c.getPrice() + "</td>");
73             out.println("<td>" + c.getStockcount() + "</td>");
74             out.println("</tr>");
75         }
76         out.println("</table>");
77     }
78     out.println("<br>Press <a href=\"index.html\">here</a> to Go back");
79 }
80 }
81 }
82 }
83 }
84 }
85 }
86 }
87 }
88 }
89 }
90 }
91 }
92 }
93 }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 42:9

Search the web and Windows Desktop 10:46 19/12/2015

OUTPUT

Search By Artist Page

HTML

Java EE - Congo_14059185/WebContent/artist.html - Eclipse

File Edit Source Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop *artist.html

```

1 <!-- Janet D'Souza- 14059185 -->
2 <!-- Search by Artist HTML file -->
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <title>Artist search at Congo Corp Music Shop</title>
7 <meta charset="UTF-8">
8 <link rel="StyleSheet" href="styles.css" type="text/css"/>
9 <link rel="StyleSheet" href="aboutus.css" type="text/css"/>
10 <meta name="viewport" content="width=device-width, initial-scale=1.0">
11 <div id="header">
12 <br>
13 </div>
14 </head>
15 <body>
16 <ul class="menu">
17 <li><a href="#">Music Search</a>
18 <li><a href="index.html">Home</a></li>
19 <li><a href="aboutus.html">About Us</a></li>
20 <li><a href="#">Album Search</a>
21 <ul>
22 <li><a href="index.html" class="album">All Albums</a></li>
23 <li><a href ="artist.html" class="artist">By Artist</a></li>
24 <li><a href="category.html" class="category">By Category</a></li>
25 <li><a href="price.html" class="price">By Price</a></li>
26 </ul>
27 </li>
28 <li><a href="shoppingPrices">Shopping</a></li>
29

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Started, Restart]

Java EE - Congo_14059185/WebContent/artist.html - Eclipse

File Edit Source Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop *artist.html

```

12 <br>
13 </div>
14 </head>
15
16<body>
17<ul class="menu">
18 <li><a href="index.html">Home</a></li>
19 <li><a href="aboutus.html">About Us</a></li>
20<li><a href="#">Music Search</a>
21<ul>
22 <li><a href="index.html" class="album">All Albums</a></li>
23 <li><a href="artist.html" class="artist">By Artist</a></li>
24 <li><a href="category.html" class="category">By Category</a></li>
25 <li><a href="price.html" class="price">By Price</a></li>
26 </ul>
27 </li>
28 <li><a href="shoppingPrices">Shopping</a></li>
29
30 <li><a href="#">Help</a></li>
31 </ul>
32
33<form method="POST" action="MusicArtist" class="form">
34 <label for="para">Type the Artist name and search to check their music albums</label>
35 <input type="text" name="artistname" required placeholder="Type artist name">
36
37 <p class="submit"><input type = "submit" value = "Search"></p>
38 </form>
39 </body>
40 </html>

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Started, Restart]

-- #comment

JAVA FILE

OUTPUT

localhost:8080/Congo_14059185/artist.html

The screenshot shows a web browser window with the URL "localhost:8080/Congo_14059185/artist.html". The page has a header with the "CONGO CORP MUSIC SHOP" logo. Below the header is a navigation menu with links for Home, About Us, Music Search, Shopping, and Help. A search bar contains the text "Beethoven". A "Search" button is located below the search bar.

localhost:8080/Congo_14059185/MusicArtist

The screenshot shows a web browser window with the URL "localhost:8080/Congo_14059185/MusicArtist". The page has a header with the "CONGO CORP MUSIC SHOP" logo. Below the header is a navigation menu with links for Home, About Us, Music search, Contact Us, and Help. A "Go Back" button is located at the top left. Below the menu is a table displaying search results for Beethoven. The table has columns for Sr.No., Artist Name, Title, Category, Album cover, No.of Tracks, and Price. One row is shown for Beethoven's "Symphonie no 6", which is Classical music with 2 tracks and a price of 15.99. A link "Press here to Go back" is at the bottom of the table.

| Sr.No. | Artist Name | Title | Category | Album cover | No.of Tracks | Price |
|--------|---------------------------|----------------|-----------|-------------|--------------|-------|
| 1 | Beethoven | Symphonie no 6 | Classical | | 2 | 15.99 |

Search By Category Page

```
// TODO Auto-generated method stub
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String category=request.getParameter("listcategory");

Congo_14059185DAO cconnect = new Congo_14059185DAO();
//TracksDAO tconnect=new TracksDAO();
ArrayList<CongoBean> congos = cconnect.findCategory(category);
try
{
    out.println("<head><title>Welcome to Congo Corp Music Shop</title>" +
                "<meta charset='utf-8'>" +
                "<LINK REL=StyleSheet HREF='styles.css' TYPE='text/css' />" +
                "<meta name='viewport' content='width=device-width, initial-scale=1.0'>" +
                "<div id='header'>" +
                "    <img class='header' src='images/logoCongo.gif'><br>" +
                "</div>" +
                "</head>" +
                "<ul class='menu'>" +
                "    <li><a href='index.html'>Home</a></li>" +
                "    <li><a href='aboutus.html'>About Us</a></li>" +
                "    <li><a href='#>Music search</a>" +
                "        <ul>" +
                "            <li><a href='price.html' class='price'>By Price</a></li>" +
                "            <li><a href='artist.html' class='artist'>By Artist</a></li>" +
                "            <li><a href='category.html' class='category'>By Category</a></li>" +
                "        </ul>" +
                "    </li>" +
                "</ul>" +
                "</div>" +
                "<div id='content'>" +
                "    <h2>List Category</h2>" +
                "    <table border='1'>" +
                "        <thead>" +
                "            <tr>" +
                "                <th>Category ID</th>" +
                "                <th>Category Name</th>" +
                "                <th>Description</th>" +
                "                <th>Price Range</th>" +
                "                <th>Artist Count</th>" +
                "            </tr>" +
                "        <tbody>" +
                "            <tr>" +
                "                <td>1</td>" +
                "                <td>Rock</td>" +
                "                <td>A collection of rock music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>2</td>" +
                "                <td>Pop</td>" +
                "                <td>A collection of pop music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>3</td>" +
                "                <td>Hip-Hop</td>" +
                "                <td>A collection of hip-hop music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>4</td>" +
                "                <td>Country</td>" +
                "                <td>A collection of country music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>5</td>" +
                "                <td>Jazz</td>" +
                "                <td>A collection of jazz music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>6</td>" +
                "                <td>Folk</td>" +
                "                <td>A collection of folk music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>7</td>" +
                "                <td>Blues</td>" +
                "                <td>A collection of blues music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>8</td>" +
                "                <td>Rock-n-Roll</td>" +
                "                <td>A collection of rock-n-roll music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>9</td>" +
                "                <td>Gospel</td>" +
                "                <td>A collection of gospel music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "            <tr>" +
                "                <td>10</td>" +
                "                <td>Latin</td>" +
                "                <td>A collection of Latin music tracks.</td>" +
                "                <td>$0.99 - $4.99</td>" +
                "                <td>10</td>" +
                "            </tr>" +
                "        </tbody>" +
                "    </table>" +
                "    <div style='text-align: right;'>" +
                "        <button type='button' value='Back' onclick='history.back()';>Back</button>" +
                "        <button type='button' value='Home' onclick='window.location.href='index.html''>Home</button>" +
                "    </div>" +
                "</div>" +
                "</body>" +
                "</html>" +
                "
```

HTML Search the web and Windows 09:20 19/12/2015

Java EE - Congo_14059185/src/congo/MusicCategory.java - Eclipse

```

72     out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p> &
73     if(congos.isEmpty())
74     {
75         out.println("Sorry currently we do not have any availability. Please try again in couple of days.");
76     }
77     else{
78         int count=0;
79         for (CongoBean c : congos){
80             count++;
81             out.println("<tr><td>" + count + "</td>");
82             out.println("<td>" + c.getArtistName() + "</td>");
83             out.println("<td><a href='AlbumTracks?recordid=" + c.getRecordId() + "'>" + c.getTitle() + "</a></td>");
84             String path="images/" + c.getImagename();
85             out.println("<td><img src='" + path + "'/></td>");
86             out.println("<td>" + c.getNooftracks() + "</td>");
87             out.println("<td>" + c.getPrice() + "</td>");
88             out.println("</tr>");}
89         }
90         out.println("<br>Press <a href='index.html'>here</a> to Go back");
91     }
92     catch(NumberFormatException e)
93     {}}
94 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Java EE - Congo_14059185/WebContent/artist.html - Eclipse

Windows Search the web and Windows 09:21 19/12/2015 JAVA

```

12 <br>
13 </div>
14 </head>
15
16<body>
17@<ul class="menu">
18 <li><a href="index.html">Home</a></li>
19 <li><a href="aboutus.html">About Us</a></li>
20@<li><a href="#">Music Search</a>
21@    <ul>
22        <li><a href="index.html" class="album">All Albums</a></li>
23        <li><a href = "artist.html" class="artist">By Artist</a></li>
24        <li><a href="category.html" class="category">By Category</a></li>
25        <li><a href="price.html" class="price">By Price</a></li>
26    </ul>
27 </li>
28 <li><a href="shoppingPrices">Shopping</a></li>
29
30 <li><a href="#">Help</a></li>
31 </ul>
32
33@<form method="POST" action="MusicArtist" class="form">
34 <label for="para">Type the Artist name and search to check their music albums</label>
35     <input type="text" name="artistname" required placeholder="Type artist name">
36
37 <p class="submit"><input type = "submit" value = "Search"></p>
38 </form>
39 </body>
40 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

#comment

JAVA

Java EE - Congo_14059185/src/congo/MusicCategory.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

```

1/* Janet D'Souza - 14059185
2 * to display the album details based on the category chosen
3 */
4 package congo;
5
6
7import java.io.IOException;
8
9 /**
10  * Servlet implementation class MusicListing
11  */
12 @WebServlet("/MusicCategory")
13 public class MusicCategory extends HttpServlet {
14     private static final long serialVersionUID = 1L;
15
16     /**
17      * @see HttpServlet#HttpServlet()
18      */
19     public MusicCategory() {
20         super();
21         // TODO Auto-generated constructor stub
22     }
23
24     /**
25      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
26      */
27     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
28         // TODO Auto-generated method stub
29         response.setContentType("text/html");
30     }
31 }
32
33
34
35
36
37
38
39
40

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 2:61

Search the web and Windows Desktop 09:20 19/12/2015

SERVLET

Java EE - Congo_14059185/src/congo/MusicCategory.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

```

1/* Janet D'Souza - 14059185
2 * to display the album details based on the category chosen
3 */
4 package congo;
5
6
7import java.io.IOException;
8
9 /**
10  * Servlet implementation class MusicListing
11  */
12 @WebServlet("/MusicCategory")
13 public class MusicCategory extends HttpServlet {
14     private static final long serialVersionUID = 1L;
15
16     /**
17      * @see HttpServlet#HttpServlet()
18      */
19     public MusicCategory() {
20         super();
21         // TODO Auto-generated constructor stub
22     }
23
24     /**
25      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
26      */
27     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
28         // TODO Auto-generated method stub
29         response.setContentType("text/html");
30     }
31 }
32
33
34
35
36
37
38
39
40

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 2:61

Search the web and Windows Desktop 09:20 19/12/2015

Java EE - Congo_14059185/src/congo/MusicCategory.java - Eclipse

```

39     // TODO Auto-generated method stub
40     response.setContentType("text/html");
41     PrintWriter out = response.getWriter();
42     String category=request.getParameter("Listcategory");
43
44     Congo_14059185DAO cconnect = new Congo_14059185DAO();
45     //TracksDAO tconnect=new TracksDAO();
46     ArrayList<CongoBean> congos = cconnect.findCategory(category);
47     try
48     {
49         out.println("<head><title>Welcome to Congo Corp Music Shop</title>" +
50             "<meta charset='utf-8'>" +
51             "<LINK REL=StyleSheet HREF='styles.css' TYPE='text/css'/>" +
52             "<meta name='viewport' content='width=device-width, initial-scale=1.0'>" +
53             "<div id='header'>" +
54             "<img class='headr' src='images/logoCongo.gif'><br>" +
55
56             "</div>" +
57             "</head>" + "<body>" +
58             "<ul class='menu'>" +
59             "<li><a href='index.html'>Home</a></li>" +
60             "<li><a href='aboutus.html'>About Us</a></li>" +
61             "<li><a href='#'>Music search</a>" +
62             "    <ul>" +
63             "        <li><a href='price.html' class='price'>By Price</a></li>" +
64             "        <li><a href='artist.html' class='artist'>By Artist</a></li>" +
65             "        <li><a href='category.html' class='category'>By Category</a></li>" +
66             "    </ul>" +
67             "</li>" +
68             ". . .

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Java EE - Congo_14059185/src/congo/MusicCategory.java - Eclipse

```

72         out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p>" +
73             "if(congos.isEmpty())
74     {
75         out.println("Sorry currently we do not have any availability. Please try again in couple of days.");
76     }
77     else{
78         int count=0;
79         out.println("<table border='1'><tr><th>SrNo</th><th>Artist Name</th><th>Title</th><th>Image Name</th><th>Number of Tr
80         for (CongoBean c : congos){
81             count++;
82             out.println("<tr><td> " + count + "</td>" );
83             out.println("<td> " + c.getArtistName() + "</td>" );
84             out.println("<td><a href='AlbumTracks?recordid=" +c.getRecordId () + "'>" +c.getTitle () + "</a></td>" );
85             String path="images/" +c.getImagename ();
86             out.println("<td><img src='"+path+"' /></td>" );
87             out.println("<td> " + c.getNoftracks () + "</td>" );
88             out.println("<td> " + c.getPrice () + "</td>" );
89             out.println("</tr>" );
90         }
91         out.println("</table>" );
92     }
93     out.println("<br>Press <a href='index.html'>here</a> to Go back");
94 }
95 catch(NumberFormatException e)
96 {}

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Windows Search the web and Windows Desktop 09:21 19/12/2015

OUTPUT

CONGO CORP
MUSIC SHOP

Home About Us Music Search Shopping Help

Select the music category and click the button

Classical ▾

- Classical**
- Country
- Hip-Hop
- Jaz
- Pop
- Rock

Click Me

Congo Corp

localhost:8080/Congo_14059185/MusicCategory?Listcategory=Hip-Hop

CONGO CORP
MUSIC SHOP

Home About Us Music search Contact Us Help

Go Back

| | Artist Name | Title | Image Name | Number of Tracks | Price |
|---|--------------|--------------------------------------|------------|------------------|-------|
| 1 | Beastie Boys | Licensed To Ill | | 13 | 11.99 |
| 2 | De La Soul | 3 Feet High n Rising | | 24 | 10.99 |
| 3 | L L. Cool J | Radio | | 10 | 10.99 |
| 4 | Lauryn Hill | The Miseducation | | 14 | 13.99 |

Links to the Page Output

localhost:8080/Congo_14059185/AlbumTracks?recordid=2013

The screenshot shows a web browser window with the URL localhost:8080/Congo_14059185/AlbumTracks?recordid=2013. The page title is "Welcome to Congo Corp". The main content area displays a table of album tracks:

| SrNo | Track Title | Track Time |
|------|------------------------|--------------|
| 1 | Rhyming And Hacking | 3mins 19 sec |
| 2 | New Style | 3mins 22 sec |
| 3 | She's Crafty | 3mins 42 sec |
| 4 | Posse In Effect | 4mins 15 sec |
| 5 | Slow Ride | 3mins 21 sec |
| 6 | Girls | 3mins 43 sec |
| 7 | Fight For Your Right | 3mins 0 sec |
| 8 | No Sleep Till Brooklyn | 3mins 20 sec |
| 9 | Paul Revere | 5mins 0 sec |
| 10 | Hold It Now - Hit It! | 4mins 35 sec |
| 11 | Brass Monkey | 4mins 10 sec |
| 12 | Slow And Low | 3mins 42 sec |
| 13 | Time To Get Ill | 4mins 14 sec |

A "Go Back" button is located at the top left of the content area.

Press [here](#) to Go back

Login Page

localhost:8080/Congo_14059185/AddToOrder?name=Beethoven

The screenshot shows a web browser window with the URL localhost:8080/Congo_14059185/AddToOrder?name=Beethoven. The page title is "User Login". The main content area displays a login form:

Login

| | |
|---|----------------|
| User Name: | Janet@test.com |
| Password: | |
| <input type="button" value="Login"/> <input type="button" value="reset"/> | |

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

30     connection = getConnection();
31     ptmt = connection.prepareStatement(queryString);
32     rsl = ptmt.executeQuery();
33     if(!rsl.first())
34     {
35         return false;
36     }
37     } catch (SQLException e) {
38     e.printStackTrace();
39     } finally {
40     try {
41         if (rsl != null)
42             rsl.close();
43         if (ptmt != null)
44             ptmt.close();
45         if (connection != null)
46             connection.close();
47     } catch (SQLException e) {
48     e.printStackTrace();
49     } catch (Exception e) {
50     e.printStackTrace();
51     }
52 }
53 return true;
54 //checking for logging in user is a admin
55 public boolean checkAdmin(String uname, String pwd){
56     try {
57         String queryString = "SELECT user_id FROM login where user_id like '"+uname+"' and admin = true and password like '"+pwd+"'";
58         Connection connection = getConnection();
59         PreparedStatement ptmt = connection.prepareStatement(queryString);
60         ResultSet rsl = ptmt.executeQuery();
61         if(rsl.first())
62             return true;
63         else
64             return false;
65     } catch (SQLException e) {
66     e.printStackTrace();
67     } catch (Exception e) {
68     e.printStackTrace();
69     }
70 }
71 
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

1 *Janet D'Souza - 14059185
2 * DAO with the functions to access login data */
3 package congo;
4 import java.sql.Connection;
5 import java.sql.PreparedStatement;
6 import java.sql.ResultSet;
7 import java.sql.SQLException;
8 import java.util.ArrayList;
9
10 public class LoginDAO {
11     Connection connection = null;
12     PreparedStatement ptmt = null;
13     ResultSet rsl = null;
14
15     public LoginDAO() {
16
17     }
18
19     private Connection getConnection() throws SQLException {
20         Connection conn;
21         conn = ConnectionFactory.getInstance().getConnecion();
22         return conn;
23     }
24
25     //checking if the chosen username already exists
26     public boolean checkUserId(String uname){
27         try {
28             String queryString = "SELECT user_id FROM login where user_id like '"+uname+"'";
29             Connection connection = getConnection();
30             PreparedStatement ptmt = connection.prepareStatement(queryString);
31             ResultSet rsl = ptmt.executeQuery();
32             if(rsl.first())
33                 return true;
34             else
35                 return false;
36         } catch (SQLException e) {
37             e.printStackTrace();
38         } catch (Exception e) {
39             e.printStackTrace();
40         }
41     }
42 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Windows Search the web and Windows Desktop 09:45 19/12/2015

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```
114
115    public void add(LoginBean Loginuser) {
116        try {
117            String queryString = "INSERT INTO login(user_id,password,admin) VALUES(?, ?, ?)";
118            connection = getConnection();
119            pstmt = connection.prepareStatement(queryString);
120            pstmt.setString(1, Loginuser.getUserId());
121            pstmt.setString(2, Loginuser.getPassword());
122            pstmt.setBoolean(3, Loginuser.getAdmin());
123            pstmt.executeUpdate();
124            System.out.println("Login");
125        } catch (SQLException e) {
126            e.printStackTrace();
127        } finally {
128            try {
129                if (pstmt != null)
130                    pstmt.close();
131                if (connection != null)
132                    connection.close();
133            } catch (SQLException e) {
134                e.printStackTrace();
135            } catch (Exception e) {
136                e.printStackTrace();
137            }
138        }
139    }
140
141}
142
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```
143    public void delete(String user) {
144        try {
145            String queryString = "DELETE FROM login WHERE userid=?";
146            connection = getConnection();
147            pstmt = connection.prepareStatement(queryString);
148            pstmt.setString(1, user);
149            pstmt.executeUpdate();
150            System.out.println("Data deleted Successfully");
151        } catch (SQLException e) {
152            e.printStackTrace();
153        } finally {
154            try {
155                if (pstmt != null)
156                    pstmt.close();
157                if (connection != null)
158                    connection.close();
159            } catch (SQLException e) {
160                e.printStackTrace();
161            } catch (Exception e) {
162                e.printStackTrace();
163            }
164        }
165    }
166
167}
168
169}
170
171}
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java *LoginDAO.java

```
try {
    String queryString = "SELECT user_id FROM login where user_id like '"+uname+"' and admin = true and password like '"+pwd+"'";
    connection = getConnection();
    pmt = connection.prepareStatement(queryString);
    rs1 = pmt.executeQuery();
    if(!rs1.first())
        return false;
} catch (SQLException e) {
    e.printStackTrace();
} finally {
    try {
        if (rs1 != null)
            rs1.close();
        if (pmt != null)
            pmt.close();
        if (connection != null)
            connection.close();
    } catch (SQLException e) {
        e.printStackTrace();
    } catch (Exception e) {
        e.printStackTrace();
    }
}
return true;
}
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Search the web and Windows Desktop 09:46 19/12/2015

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java *LoginDAO.java

```
try {
    String queryString = "SELECT user_id FROM login where user_id like '"+uname+"' and admin = true and password like '"+pwd+"'";
    connection = getConnection();
    pmt = connection.prepareStatement(queryString);
    rs1 = pmt.executeQuery();
    if(!rs1.first())
        return false;
} catch (SQLException e) {
    e.printStackTrace();
} finally {
    try {
        if (rs1 != null)
            rs1.close();
        if (pmt != null)
            pmt.close();
        if (connection != null)
            connection.close();
    } catch (SQLException e) {
        e.printStackTrace();
    } catch (Exception e) {
        e.printStackTrace();
    }
}
return true;
}
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_60\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Search the web and Windows Desktop 09:46 19/12/2015

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

1/*Janet D'Souza - 14059185
2 * DAO with the functions to access login data */
3 package congo;
4import java.sql.Connection;
5import java.sql.PreparedStatement;
6import java.sql.ResultSet;
7import java.sql.SQLException;
8import java.util.ArrayList;
9
10
11 public class LoginDAO {
12     Connection connection = null;
13     PreparedStatement ptmt = null;
14     ResultSet rs1 = null;
15
16     public LoginDAO() {
17
18     }
19
20     private Connection getConnection() throws SQLException {
21         Connection conn;
22         conn = ConnectionFactory.getInstance().getConnection();
23         return conn;
24     }
25
26     //checking if the chosen username already exists
27     public boolean checkUserId(String uname) {
28         try {
29             String queryString = "SELECT user_id FROM login where user_id like '" + uname + "'";
30             connection = getConnection();
31             ptmt = connection.prepareStatement(queryString);
32             rs1 = ptmt.executeQuery();
33             if (!rs1.first())
34             {
35                 return false;
36             }
37         } catch (SQLException e) {
38             e.printStackTrace();
39         } finally {
40             try {
41                 if (rs1 != null)
42                     rs1.close();
43                 if (ptmt != null)
44                     ptmt.close();
45                 if (connection != null)
46                     connection.close();
47             } catch (SQLException e) {
48                 e.printStackTrace();
49             } catch (Exception e) {
50                 e.printStackTrace();
51             }
52         }
53         return true;
54     }
55     //checking for logging in user is a admin
56     public boolean checkAdmin(String uname, String pwd) {
57         try {
58             String queryString = "SELECT user_id FROM login where user_id like '" + uname + "' and admin = true and password like '" + pwd + "'";
59             connection = getConnection();
60             ptmt = connection.prepareStatement(queryString);
61             rs1 = ptmt.executeQuery();
62             if (!rs1.first())
63             {
64                 return false;
65             }
66         } catch (SQLException e) {
67             e.printStackTrace();
68         } finally {
69             try {
70                 if (rs1 != null)
71                     rs1.close();
72                 if (ptmt != null)
73                     ptmt.close();
74                 if (connection != null)
75                     connection.close();
76             } catch (SQLException e) {
77                 e.printStackTrace();
78             } catch (Exception e) {
79                 e.printStackTrace();
80             }
81         }
82         return true;
83     }
84 }

```

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

29         String queryString = "SELECT user_id FROM login where user_id like '" + uname + "'";
30         connection = getConnection();
31         ptmt = connection.prepareStatement(queryString);
32         rs1 = ptmt.executeQuery();
33         if (!rs1.first())
34         {
35             return false;
36         }
37     } catch (SQLException e) {
38         e.printStackTrace();
39     } finally {
40         try {
41             if (rs1 != null)
42                 rs1.close();
43             if (ptmt != null)
44                 ptmt.close();
45             if (connection != null)
46                 connection.close();
47         } catch (SQLException e) {
48             e.printStackTrace();
49         } catch (Exception e) {
50             e.printStackTrace();
51         }
52     }
53     return true;
54 }
55 //checking for logging in user is a admin
56 public boolean checkAdmin(String uname, String pwd) {
57     try {
58         String queryString = "SELECT user_id FROM login where user_id like '" + uname + "' and admin = true and password like '" + pwd + "'";
59         connection = getConnection();
60         ptmt = connection.prepareStatement(queryString);
61         rs1 = ptmt.executeQuery();
62         if (!rs1.first())
63         {
64             return false;
65         }
66     } catch (SQLException e) {
67         e.printStackTrace();
68     } finally {
69         try {
70             if (rs1 != null)
71                 rs1.close();
72             if (ptmt != null)
73                 ptmt.close();
74             if (connection != null)
75                 connection.close();
76         } catch (SQLException e) {
77             e.printStackTrace();
78         } catch (Exception e) {
79             e.printStackTrace();
80         }
81     }
82     return true;
83 }

```

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

58     String queryString = "SELECT user_id FROM login where user_id like '"+uname+"' and admin = true and password like '"+pwd+"'";
59     connection = getConnection();
60     pstmt = connection.prepareStatement(queryString);
61     rsl = pstmt.executeQuery();
62     if(!rsl.first())
63     {
64         return false;
65     }
66     } catch (SQLException e) {
67         e.printStackTrace();
68     } finally {
69     try {
70         if (rsl != null)
71             rsl.close();
72         if (pstmt != null)
73             pstmt.close();
74         if (connection != null)
75             connection.close();
76     } catch (SQLException e) {
77         e.printStackTrace();
78     } catch (Exception e) {
79         e.printStackTrace();
80     }
81 }
82     return true;
83 }
84 }
85
86 public boolean checkUserPwd(String uname, String pwd){
87     try {
88         String queryString = "SELECT user_id FROM login where user_id like '"+uname+"' and password like '"+pwd+"'";
89         connection = getConnection();
90         pstmt = connection.prepareStatement(queryString);
91         rsl = pstmt.executeQuery();
92         if(!rsl.first())
93         {
94             return false;
95         }
96     } catch (SQLException e) {
97         e.printStackTrace();
98     } finally {
99     try {
100         if (rsl != null)
101             rsl.close();
102         if (pstmt != null)
103             pstmt.close();
104         if (connection != null)
105             connection.close();
106     } catch (SQLException e) {
107         e.printStackTrace();
108     } catch (Exception e) {
109         e.printStackTrace();
110     }
111 }
112     return true;
113 }
114

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

86 public boolean checkUserPwd(String uname, String pwd){
87     try {
88         String queryString = "SELECT user_id FROM login where user_id like '"+uname+"' and password like '"+pwd+"'";
89         connection = getConnection();
90         pstmt = connection.prepareStatement(queryString);
91         rsl = pstmt.executeQuery();
92         if(!rsl.first())
93         {
94             return false;
95         }
96     } catch (SQLException e) {
97         e.printStackTrace();
98     } finally {
99     try {
100         if (rsl != null)
101             rsl.close();
102         if (pstmt != null)
103             pstmt.close();
104         if (connection != null)
105             connection.close();
106     } catch (SQLException e) {
107         e.printStackTrace();
108     } catch (Exception e) {
109         e.printStackTrace();
110     }
111 }
112     return true;
113 }
114

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

114     public void add(LoginBean Loginuser) {
115         try {
116             String queryString = "INSERT INTO login(user_id,password,admin) VALUES(?, ?, ?)";
117             connection = getConnection();
118             ptmt = connection.prepareStatement(queryString);
119             ptmt.setString(1, Loginuser.getUserId());
120             ptmt.setString(2, Loginuser.getPassword());
121             ptmt.setBoolean(3, Loginuser.getAdmin());
122             ptmt.executeUpdate();
123             System.out.println("Login");
124         } catch (SQLException e) {
125             e.printStackTrace();
126         } finally {
127             try {
128                 if (ptmt != null)
129                     ptmt.close();
130                 if (connection != null)
131                     connection.close();
132             } catch (SQLException e) {
133                 e.printStackTrace();
134             } catch (Exception e) {
135                 e.printStackTrace();
136             }
137         }
138     }
139 }
140
141
142
143     public void delete(String user) {
144
145         try {
146             String queryString = "DELETE FROM login WHERE userid=?";
147             connection = getConnection();
148             ptmt = connection.prepareStatement(queryString);
149             ptmt.setString(1, user);
150             ptmt.executeUpdate();
151             System.out.println("Data deleted Successfully");
152         } catch (SQLException e) {
153             e.printStackTrace();
154         } finally {
155             try {
156                 if (ptmt != null)
157                     ptmt.close();
158                 if (connection != null)
159                     connection.close();
160             } catch (SQLException e) {
161                 e.printStackTrace();
162             } catch (Exception e) {
163                 e.printStackTrace();
164             }
165         }
166     }
167
168 }
169
170
171 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1

Java EE - Congo_14059185/src/congo/LoginDAO.java - Eclipse

```

114     public void add(LoginBean Loginuser) {
115         try {
116             String queryString = "INSERT INTO login(user_id,password,admin) VALUES(?, ?, ?)";
117             connection = getConnection();
118             ptmt = connection.prepareStatement(queryString);
119             ptmt.setString(1, Loginuser.getUserId());
120             ptmt.setString(2, Loginuser.getPassword());
121             ptmt.setBoolean(3, Loginuser.getAdmin());
122             ptmt.executeUpdate();
123             System.out.println("Login");
124         } catch (SQLException e) {
125             e.printStackTrace();
126         } finally {
127             try {
128                 if (ptmt != null)
129                     ptmt.close();
130                 if (connection != null)
131                     connection.close();
132             } catch (SQLException e) {
133                 e.printStackTrace();
134             } catch (Exception e) {
135                 e.printStackTrace();
136             }
137         }
138     }
139 }
140
141
142
143     public void delete(String user) {
144
145         try {
146             String queryString = "DELETE FROM login WHERE userid=?";
147             connection = getConnection();
148             ptmt = connection.prepareStatement(queryString);
149             ptmt.setString(1, user);
150             ptmt.executeUpdate();
151             System.out.println("Data deleted Successfully");
152         } catch (SQLException e) {
153             e.printStackTrace();
154         } finally {
155             try {
156                 if (ptmt != null)
157                     ptmt.close();
158                 if (connection != null)
159                     connection.close();
160             } catch (SQLException e) {
161                 e.printStackTrace();
162             } catch (Exception e) {
163                 e.printStackTrace();
164             }
165         }
166     }
167
168 }
169
170
171 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 4:1



Home About Us Music Search Help

Login

| | |
|--------------------------------------|--------------------------------------|
| User Name: | Janet@test.com |
| Password: | |
| <input type="button" value="Login"/> | <input type="button" value="reset"/> |



Home About Us Music Search Shopping Help

Hi Janet@test.com, Login successful.

[Logout](#)

Shopping Page

JAVA SERVLET

Java EE - Congo_14059185/src/congo/shoppingPrices.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

```

1/* Janet D'Souza - 14059185
2 * to display all the album details with prices with a add button to shop*/
3 package congo;
4 import java.io.IOException;
5 import java.io.PrintWriter;
6 import java.util.ArrayList;
7 import javax.servlet.ServletException;
8 import javax.servlet.annotation.WebServlet;
9 import javax.servlet.http.HttpServlet;
10 import javax.servlet.http.HttpServletRequest;
11 import javax.servlet.http.HttpServletResponse;
12
13 import congo.CongoBean;
14 import congo.Congo_14059185DAO;
15
16/*
17 * Servlet implementation class MusicListing
18 */
19 @WebServlet("/shoppingPrices")
20 public class shoppingPrices extends HttpServlet {
21     private static final long serialVersionUID = 1L;
22
23    /**
24     * @see HttpServlet#HttpServlet()
25     */
26    public shoppingPrices() {
27        super();
28        // TODO Auto-generated constructor stub
29    }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 7:1

Java EE - Congo_14059185/src/congo/shoppingPrices.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

```

33 /*
34     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
35         // TODO Auto-generated method stub
36         response.setContentType("text/html");
37         PrintWriter out = response.getWriter();
38         Congo_14059185DAO pconnect = new Congo_14059185DAO();
39         ArrayList<CongoBean> congos = pconnect.findAll();
40         out.println("<head><title>Welcome to Congo Corp Music Shop</title>" +
41             "<meta charset='utf-8'>" +
42             "<LINK REL=stylesheet HREF='styles.css' TYPE='text/css' />" +
43             "<meta name='viewport' content='width=device-width, initial-scale=1.0'>" +
44             "<div id='header'>" +
45             "    <img class='header' src='images/logoCongo.gif'><br>" +
46             "</div>" +
47             "</head>" +
48             "<body>" +
49             "<ul class='menu'>" +
50             "    <li><a href='index.html'>Home</a></li>" +
51             "    <li><a href='aboutus.html'>About Us</a></li>" +
52             "    <li><a href='Music search'>Music search</a>" +
53             "        <ul>" +
54             "            <li><a href='price.html' class='price'>By Price</a></li>" +
55             "            <li><a href='artist.html' class='artist'>By Artist</a></li>" +
56             "            <li><a href='category.html' class='category'>By Category</a></li>" +
57             "        </ul>" +
58             "    </li>" +
59             "    <li><a href='contactus.html'>Contact Us</a></li>" +
60             "    <li><a href='help.html'>Help</a></li> " +
61             "</ul>" ;

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 7:1

Java EE - Congo_14059185/src/congo/shoppingPrices.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop category.html artist.html MusicCategory.java *shoppingPrices.java

```

63         out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p></form>");
64         int count=0;
65         out.println("<table border='1'><tr><th>Sr.No.</th><th>Artist Name</th><th>Title</th><th>Category</th><th>Album Cover</th><th>No.
66             for (CongoBean c : congos) {
67                 count++;
68                 out.println("<tr><td> " + count + "</td>");
69                 out.println("<td> " + c.getArtistName() + "</td>");
70                 out.println("<td> " + c.getTitle() + "</td>");
71                 out.println("<td> " + c.getCategory() + "</td>");
72                 String path="images/" + c.getImagename();
73                 out.println("<td><img src='"+path+"' /></td>");
74                 out.println("<td> " + c.getNooftracks() + "</td>");
75                 out.println("<td> " + c.getPrice() + "</td>");
76
77                 /* Add add_to_order button in last cell of row, this passes the record id of the music
78                 to AddToOrder */
79                 out.print("<td>");
80
81                 out.print("<p class='submit'><form action=\"AddToOrder\" method=\"get\"> +
82                         <input type=\"hidden\" name=\"name\" value=\"" + c.getArtistName() + "\"> +
83                         <input type=\"submit\" value=\"Add\" > </form></p>");
84
85                 out.println("</td></tr>");
86             }
87
88             out.println("</table>");
89             out.println("<br>Press <a href=\"index.html\">here</a> to Go back");
90
91

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

OUTPUT

localhost:8080/Congo_14059185/shoppingPrices

CONGO CORP
MUSIC SHOP

Home About Us Music search Contact Us Help

Go Back

| Sr.No. | Artist Name | Title | Category | Album Cover | No.of Tracks | Price | |
|--------|--------------------|-----------------------|-----------|-------------|--------------|-------|-----|
| 1 | Beethoven | Symphonie no 6 | Classical | | 2 | 15.99 | Add |
| 2 | Glenn Gould - Bach | Concertos 1-7 | Classical | | 9 | 15.99 | Add |
| 3 | Mahler | Symphonie no 1 | Classical | | 8 | 13.99 | Add |
| 4 | Clint Black | Nothing But Tailights | Country | | 12 | 10.99 | Add |
| 5 | Dixie Chicks | Wide Open Spaces | Country | | 12 | 15.99 | Add |

Order Page JAVA SERVLET

Java EE - Congo_14059185/src/congo/AddToOrder.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java LoginDAO.java AddToOrder.java

```

1@ //Janet D'Souza - 14059185
2 // Allows the user to buy items. It checks if the user is logged. If yes only then he is allowed to purchase
3 package congo;
4
5import java.io.*;
6
7import javax.servlet.RequestDispatcher;
8import javax.servlet.ServletException;
9import javax.servlet.annotation.*;
10import javax.servlet.http.*;
11
12import java.util.*;
13//import java.sql.*;
14
15
16/*
17 * Servlet implementation class AddToOrder
18 */
19@WebServlet("/AddToOrder")
20public class AddToOrder extends HttpServlet {
21    private static final long serialVersionUID = 1L;
22
23    /**
24     * @see HttpServlet#HttpServlet()
25     */
26    public AddToOrder() {
27        super();
28        // TODO Auto-generated constructor stub
29    }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 109:1

Search the web and Windows 09:58 19/12/2015

Java EE - Congo_14059185/src/congo/AddToOrder.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java LoginDAO.java AddToOrder.java

```

35 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
36
37     response.setContentType("text/html");
38     PrintWriter out = response.getWriter();
39
40     LoginDAO rconnectLogin = new LoginDAO();
41     Cookie[] cookieList=request.getCookies();
42     Congo_14059185DAO pconnect = new Congo_14059185DAO();
43     ArrayList<CongoBean> congos = pconnect.findAll();
44
45     out.println("<head><title>Welcome to Congo Corp Music Shop</title>" +
46                 "<meta charset='utf-8'>" +
47                 "<LINK REL=StyleSheet HREF='styles.css' TYPE='text/css'/>" +
48                 "<meta name='viewport' content='width=device-width, initial-scale=1.0'>" +
49                 "<div id='header'>" +
50                 "<img class='headr' src='images/logoCongo.gif'><br>" +
51
52                 "</div>" +
53                 "</head>" +
54                 "<ul class='menu'>" +
55                 "<li><a href='index.html'>Home</a></li>" +
56                 "<li><a href='aboutus.html'>About Us</a></li>" +
57                 "<li><a href='#!'>Music search</a>" +
58                 "    <ul>" +
59                 "        <li><a href='price.html' class='price'>By Price</a></li>" +
60                 "        <li><a href='artist.html' class='artist'>By Artist</a></li>" +
61                 "        <li><a href='category.html' class='category'>By Category</a></li>" +
62                 "    </ul>" +
63                 "</li> "

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 109:1

Search the web and Windows 09:58 19/12/2015

Java EE - Congo_14059185/src/congo/AddToOrder.java - Eclipse

```

68     out.println("<form class='form'><p class='submit'><a href='index.html'><input type='button' value='Go Back'></a></p>");
69
70     if (cookieList != null)
71     {
72         for(int i=0; i<cookieList.length; i++)
73         {
74             Cookie cookie = cookieList[i];
75             //String userTest=cookie.getName();
76             if(cookie.getName().equals("user"))
77             {
78                 if (!rconnectLogin.checkUserId(cookie.getValue()))
79                 {
80                     RequestDispatcher dispatcher= request.getRequestDispatcher("/login.html");
81                     request.setAttribute("login","Please login to purchase items");
82                     dispatcher.forward(request, response);
83                 }
84             }
85             {
86                 // find out the artist name passed in from Music Listing
87                 String artistname=request.getParameter("name");
88
89                 //get a session associated with the request
90                 HttpSession session = request.getSession();
91
92
93                 ArrayList<String> congoArray; // congoArray is list of the music tracks on our order
94
95                 //Check to see if this is a new order
96                 if ( null == session.getAttribute("myorder") )

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 109:1

Java EE - Congo_14059185/src/congo/AddToOrder.java - Eclipse

```

96             if ( null == session.getAttribute("myorder") )
97                 // new order so create a new ArrayList
98                 congoArray = new ArrayList<String>();
99                 session.setAttribute("myorder",congoArray); //add array to session
100            }
101        else
102        {
103            //already ordered something, get current order
104            congoArray = (ArrayList<String>)session.getAttribute("myorder");
105        }
106
107        // add our music track to the order
108        congoArray.add(artistname);
109        System.out.println(congoArray);
110        // Might as well display the Music details
111        // Getting the details from the database
112
113        Congo_14059185DAO congoData = new Congo_14059185DAO();
114
115        CongoBean c = congoData.AddToOrder(artistname); //called the AddToOrder method from DAO
116
117        out.println("<p>The following album is added to your order</p><br>");
118        out.println(c.getArtistName()+"<br>");
119        out.println(c.getTitle()+"<br>");
120        out.println(c.getCategory()+"<br>");
121        out.println(c.getPrice()+"<br>");
122
123        out.println("<p><a href='"+shoppingPrices+">Back to Shop Items</a><br> or see what you've <a href='"+index+">here</a> to Go back</p>");
124    }

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 109:1

Java EE - Congo_14059185/src/congo/AddToOrder.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Welcome to Congo Corp Music Shop shoppingPrices.java LoginDAO.java AddToOrder.java

```

120         out.println(c.getCategory()+"<br>");
121         out.println(c.getPrice()+"<br>");
122         out.println("<p><a href=\"shoppingPrices\">Back to Shop Items</a><br> or see what you've <a href=\"S
123         out.println("<br>Press <a href=\"index.html\">here</a> to Go back");
124     }
125     }
126   }
127 }
128 else
129 {
130   RequestDispatcher dispatcher= request.getRequestDispatcher("/login.html");
131   dispatcher.forward(request, response);
132 }
133
134
135
136 }
137
138
139 */
140 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
141 */
142 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
143   // TODO Auto-generated method stub
144   doGet(request, response);
145 }
146
147 }
148

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 109:1

OUTPUT

Order interim Page

localhost:8080/Congo_14059185/AddToOrder?name=Mahler

The following album is added to your order

Mahler
Symphonie no 1
Classical
13.99

[Back to Shop Items](#)
or see what you've [ordered](#)
Press [here](#) to Go back

localhost:8080/Congo_14059185>ShowOrder

CONGO CORP
MUSIC SHOP

Home | About Us | Music search | Contact Us | Help

Go Back

Current Order

| Artist Name | Title | Category | quantity | Price | |
|---------------------|----------------|-----------|----------|-------|-------------------------------------|
| Mahler | Symphonie no 1 | Classical | 1 | 13.99 | Remove |
| The Judds | Heartland | Country | 1 | 15.99 | Remove |
| Mahler | Symphonie no 1 | Classical | 1 | 13.99 | Remove |
| Total: 43.97 | | | | | Proceed to Checkout |

[Back to Shop Items](#)
or see what you've [ordered](#)

localhost:8080/Congo_14059185/CheckOut

CONGO CORP
MUSIC SHOP

Home | About Us | Music search | Contact Us | Help

Go Back

Current Order

| Artist Name | Title | Category | quantity | Price | |
|---------------------|----------------|-----------|----------|-------|-------------------------------------|
| Mahler | Symphonie no 1 | Classical | 1 | 13.99 | Remove |
| The Judds | Heartland | Country | 1 | 15.99 | Remove |
| Mahler | Symphonie no 1 | Classical | 1 | 13.99 | Remove |
| Total: 43.97 | | | | | Proceed to Checkout |

[Back to Shop Items](#)
or see what you've [ordered](#)

Delivery Details

localhost:8080/Congo_14059185/CheckOut?

| Artist Name | Title | Category | quantity | Price | |
|---------------------|----------------|-----------|----------|-------|------------------------|
| Mahler | Symphonie no 1 | Classical | 1 | 13.99 | Remove |
| The Judds | Heartland | Country | 1 | 15.99 | Remove |
| Mahler | Symphonie no 1 | Classical | 1 | 13.99 | Remove |
| Total: 43.97 | | | | | |

[Back to Shop Items](#)
or see what you've [ordered](#)

Delivery Details

[Buy Now](#)

| | |
|----------------|--------------------|
| Name | Lancy D'Souza |
| Address Line 1 | 70 Delemere Street |
| Address Line 2 | Levenshulme |
| Post Code | M19 3WR |

localhost:8080/Congo_14059185/UpdateOrder?qty=1&artist_name=Mahler&qty=1&qty=1&total=43.97&name=Lancy+D%27Souza&address1=70+Delemere+*



CONGO CORP
MUSIC SHOP

- [Home](#)
- [About Us](#)
- [Music search](#)
- [Contact Us](#)
- [Help](#)

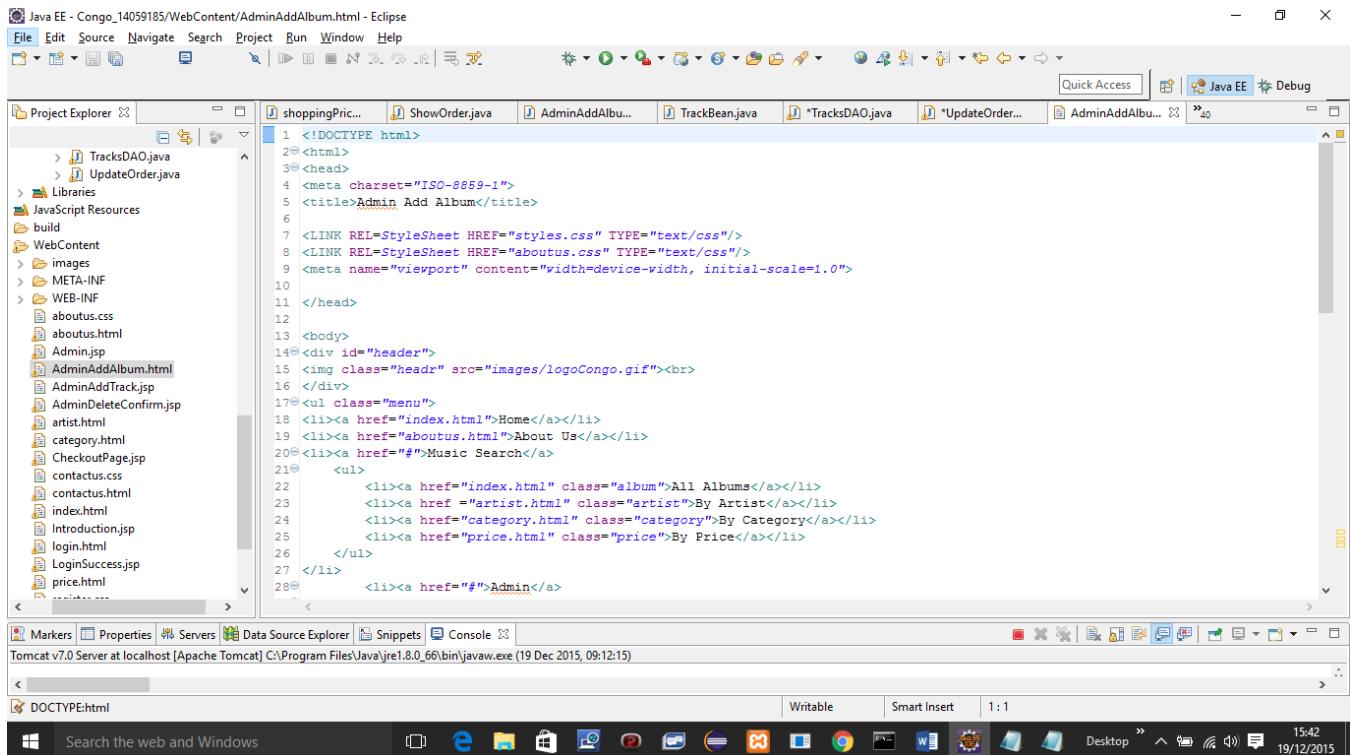
Mahler Lancy D'Souza 70 Delemere Street Levenshulme M19 3WR

The following album's stock has been updated

[Logout](#)

Admin Add Album Page

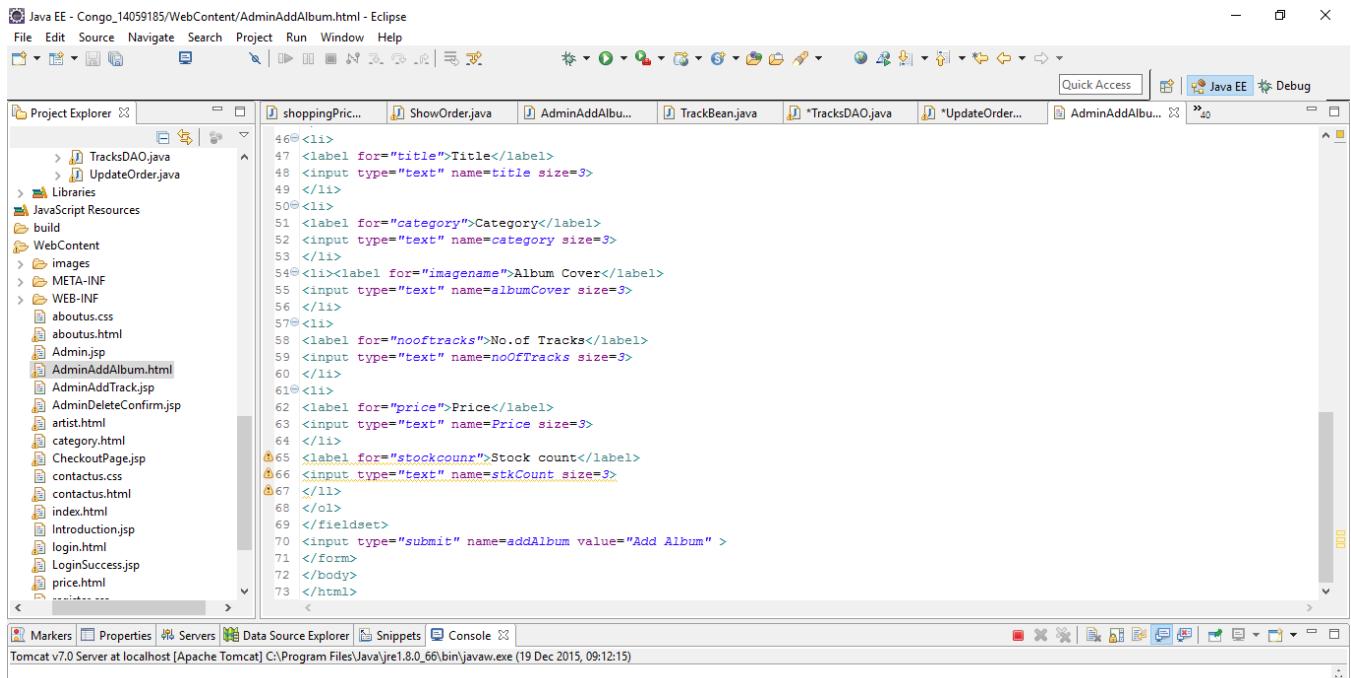
HTML



The screenshot shows the Eclipse IDE interface with the project 'Java EE - Congo_14059185/WebContent/AdminAddAlbum.html' open. The code editor displays the following HTML:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Admin Add Album</title>
<LINK REL=StyleSheet HREF="styles.css" TYPE="text/css"/>
<LINK REL=StyleSheet HREF="aboutus.css" TYPE="text/css"/>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<body>
<div id="header">
<br>
</div>
<ul class="menu">
<li><a href="index.html">Home</a></li>
<li><a href="aboutus.html">About Us</a></li>
<li><a href="#">Music Search</a>
<ul>
<li><a href="index.html" class="album">All Albums</a></li>
<li><a href="artist.html" class="artist">By Artist</a></li>
<li><a href="category.html" class="category">By Category</a></li>
<li><a href="price.html" class="price">By Price</a></li>
</ul>
</li>
<li><a href="#">Admin</a>
</li>

```



The screenshot shows the Eclipse IDE interface with the project 'Java EE - Congo_14059185/WebContent/AdminAddAlbum.html' open. The code editor displays the following HTML with form fields added:

```
<li>
<label for="title">Title</label>
<input type="text" name="title" size=3>
</li>
<li>
<label for="category">Category</label>
<input type="text" name="category" size=3>
</li>
<li>
<label for="imagename">Album Cover</label>
<input type="text" name="albumCover" size=3>
</li>
<li>
<label for="nooftracks">No. of Tracks</label>
<input type="text" name="noOfTracks" size=3>
</li>
<li>
<label for="price">Price</label>
<input type="text" name="Price" size=3>
</li>
<li>
<label for="stockcount">Stock count</label>
<input type="text" name="stkCount" size=3>
</li>
</ol>
</fieldset>
<input type="submit" name="addAlbum" value="Add Album" >
</form>
</body>
</html>
```

JAVA SERVLET

Java EE - Congo_14059185/src/congo/AdminAddAlbum.java - Eclipse

```

1 // Janet D'Souza -14059185
2 // Adds new album to the database
3 package congo;
4
5 import java.io.IOException;
6
7 /**
8 * Servlet implementation class AdminAddAlbum
9 */
10 @WebServlet("/AdminAddAlbum")
11 public class AdminAddAlbum extends HttpServlet {
12     private static final long serialVersionUID = 1L;
13
14     /**
15      * @see HttpServlet#HttpServlet()
16     */
17     public AdminAddAlbum() {
18         super();
19         // TODO Auto-generated constructor stub
20     }
21
22     /**
23      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
24     */
25     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
26         // TODO Auto-generated method stub
27         //response.getWriter().append("Served at: ").append(request.getContextPath());
28     }
29
30     /**
31      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
32     */
33     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
34         // TODO Auto-generated method stub
35         //response.getWriter().append("Served at: ").append(request.getContextPath());
36     }
37
38     Congo_14059185DAO congo = new Congo_14059185DAO();
39     CongoBean congoBean = new CongoBean();
40     int recordingId=congo.findTop()+1;
41     congoBean.setArtistName(request.getParameter("artistName"));
42     congoBean.setCategory(request.getParameter("category"));
43     congoBean.setNooftracks(Integer.parseInt(request.getParameter("noOfTracks")));
44     congoBean.setPrice(Float.parseFloat(request.getParameter("Price")));
45     congoBean.setStockCount(Integer.parseInt(request.getParameter("stkCount")));
46     congoBean.setRecordId(recordingId);
47     congoBean.setTitle(request.getParameter("title"));
48     congoBean.setImageName(request.getParameter("albumCover"));
49     // call the DAO to add the new album.
50     congo.add(congoBean);
51     RequestDispatcher dispatcher= request.getRequestDispatcher("AdminAddTrack.jsp");
52     request.setAttribute("recordingId", recordingId);
53     dispatcher.forward(request, response);
54
55     /**
56      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
57     */
58     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
59         // TODO Auto-generated method stub
60         doGet(request, response);
61     }
62 }
63

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 23:8

OUTPUT

Admin Add Album X +

localhost:8080/Congo_14059185/AdminAddAlbum.html

CONGO CORP
MUSIC SHOP

Home | About Us | Music Search | Admin | Help

Add New Album Details

1. Artist Name

2. Title

3. Category

4. Album Cover

5. No.of Tracks

6. Price

Stock count

Add Album

Adding Track Page Output

The screenshot shows a web browser window titled "Admin Add Album". The URL in the address bar is "localhost:8080/Congo_14059185/AdminAddAlbum". The page header features the Congo Corp Music Shop logo with a musical note icon. Below the header is a navigation menu with links for Home, About Us, Music Search, Admin, and Help. The main content area is titled "Add New Track Details" and contains two input fields: "1. Track Name" and "2. Track duration". At the bottom left is a "Insert" button, and at the bottom right is a "Done" link.

JAVA SERVLET

Project Explorer

```

1 // Janet D'Souza -14059185
2 // Add new tracks to the newly added album.
3 package congo;
4
5 import java.io.IOException;
6
7 /**
8 * Servlet implementation class AdminAddTrack
9 */
10 @WebServlet("/AdminAddTrack")
11 public class AdminAddTrack extends HttpServlet {
12     private static final long serialVersionUID = 1L;
13
14     /**
15      * @see HttpServlet#HttpServlet()
16     */
17     public AdminAddTrack() {
18         super();
19         // TODO Auto-generated constructor stub
20     }
21
22     /**
23      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
24     */
25     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
26         // TODO Auto-generated method stub
27         //response.getWriter().append("Served at: ").append(request.getContextPath());
28         Congo_14059185DAO congo = new Congo_14059185DAO();
29     }
30
31
32
33
34
35

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Java EE - Congo_14059185/src/congo/AdminAddTrack.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

```

1 * see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
2 */
3 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
4     // TODO Auto-generated method stub
5     //response.getWriter().append("Served at: ").append(request.getContextPath());
6     Congo_14059185DAO congo = new Congo_14059185DAO();
7     CongoBean congoBean = new CongoBean();
8     congoBean.setRecordId(Integer.parseInt(request.getParameter("recordingId")));
9     congoBean.setDuration(Integer.parseInt(request.getParameter("duration")));
10    congoBean.setTitle(request.getParameter("title"));
11
12    congo.addTrack(congoBean);
13
14    RequestDispatcher dispatcher= request.getRequestDispatcher("AdminAddTrack.jsp");
15    request.setAttribute("recordingId", congoBean.getRecordId());
16    dispatcher.forward(request, response);
17
18    /**
19     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
20     */
21    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
22        // TODO Auto-generated method stub
23        doGet(request, response);
24    }
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
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54
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56
57

```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Search the web and Windows

Admin Contact us Page

JAVA SERVLET

The screenshot shows the Eclipse IDE interface with the Java EE perspective selected. The Project Explorer view on the left shows a project structure under 'src' containing a package named 'congo'. Inside 'congo', there are several Java files: AddToOrder.java, AdminAddAlbum.java, AdminAddTrack.java, AdminContactus.java (the current file being edited), AdminDelete.java, AdminRemoveAlbum.java, AdminStockUpdate.java, AlbumTracks.java, CheckOut.java, Congo_14059185DAO.java, CongoBean.java, ConnectionFactory.java, Contactus.java, ContactusBean.java, ContactusDAO.java, CustomerMusicOrderBean.java, CustomerMusicOrderDAO.java, CustomerMusicOrders.java, CustomerOrderBean.java, CustomerOrderDAO.java, and CustomerOrders.java. The AdminContactus.java file contains Java code for a HttpServlet implementation.

```
1 // Janet D'Souza -14059185
2 // Displays all the queries from the customers to the admin.
3 package congo;
4
5 import java.io.IOException;
6
7 /**
8 * Servlet implementation class AdminContactus
9 */
10 @WebServlet("/AdminContactus")
11 public class AdminContactus extends HttpServlet {
12     private static final long serialVersionUID = 1L;
13
14     /**
15      * @see HttpServlet#HttpServlet()
16      */
17     public AdminContactus() {
18         super();
19         // TODO Auto-generated constructor stub
20     }
21
22     /**
23      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
24      */
25     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
26         // TODO Auto-generated method stub
27         //response.getWriter().append("Served at: ").append(request.getContextPath());
28         response.setContentType("text/html");
29     }
30
31     /**
32      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
33      */
34     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
35         // TODO Auto-generated method stub
36         doGet(request, response);
37     }
38 }
```

The screenshot shows the Eclipse IDE interface with the Java EE perspective selected. The Project Explorer view on the left shows a project structure under 'src' containing a package named 'congo'. Inside 'congo', there are several Java files: AddToOrder.java, AdminAddAlbum.java, AdminAddTrack.java, AdminContactus.java (the current file being edited), AdminDelete.java, AdminRemoveAlbum.java, AdminStockUpdate.java, AlbumTracks.java, CheckOut.java, Congo_14059185DAO.java, CongoBean.java, ConnectionFactory.java, Contactus.java, ContactusBean.java, ContactusDAO.java, CustomerMusicOrderBean.java, CustomerMusicOrderDAO.java, CustomerMusicOrders.java, CustomerOrderBean.java, CustomerOrderDAO.java, and CustomerOrders.java. The AdminContactus.java file contains Java code for a HttpServlet implementation.

```
73     out.println("<table border='1'><tr><th>SrNo</th><th>Name</th><th>Comments</th><th>Email</th>" +
74         + "<th>Website</th><th>Date</th></tr>");
75     int count=0;
76     for (ContactusBean c : enquiries) {
77         count++;
78         out.println("<tr><td> " + count + "</td>");
79         out.println("<td> " + c.getName() + "</td>");
80         out.println("<td> " +c.getComments()+"</td>");
81         out.println("<td>" +c.getEmail()+"</td>");
82         out.println("<td>" +c.getWebAddress()+"</td>");
83         out.println("<td>" +c.getDateSent()+"</td>");
84         out.println("</tr>");
85     }
86     out.println("</table>");
87 }
88 out.println("<br>Press <a href=\"index.html\">here</a> to Go back");
89 }
90
91 /**
92  * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
93 */
94 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
95     // TODO Auto-generated method stub
96     doGet(request, response);
97 }
98
99 }
```

OUTPUT

Welcome to Congo Corp

localhost:8080/Congo_14059185/AdminContactus

CONGO CORP
MUSIC SHOP

Home About Us Music search Help

Go Back

| SrNo | Name | Comments | Email | Website | Date |
|------|-------|------------------------------|-----------------|---------------|------------|
| 1 | Jante | Vvery good company. | Janet@gmail.com | www.janet.com | 2015-12-19 |
| 2 | Reo | Nice service. | reo@gmail.com | www.reo.com | 2015-12-19 |
| 3 | Gavin | Page takes long time to load | gavin@gmail.com | www.gavin.com | 2015-12-19 |

Press [here](#) to Go back

Search the web and Windows

15:50 19/12/2015

Admin Delete

HTML

Java EE - Congo_14059185/WebContent/AdminDeleteConfirm.jsp - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java EE Debug

Project Explorer AdminDelete... AdminAddAlbu... AdminAddTrac... AdminContact... TracksDAO.java UpdateOrder... AdminDeleteC... 41

```

1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
2 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
3 <html>
4 <head>
5 <meta charset="utf-8">
6 <title>Welcome to Congo Corp Music Shop</title>
7 <meta name="viewport" content="width=device-width, initial-scale=1.0">
8 <link rel="stylesheet" href="styles.css" type="text/css"/>
9 <meta name="viewport" content="width=device-width, initial-scale=1.0">
10 <div id="header">
11   <br>
12 </div>
13 </head>
14 <body>
15 <ul class="menu">
16   <li><a href="index.html">Home</a></li>
17   <li><a href="#">Music Search</a>
18     <ul>
19       <li><a href="index.html" class="album">All Albums</a></li>
20       <li><a href="artist.html" class="artist">By Artist</a></li>
21       <li><a href="category.html" class="category">By Category</a></li>
22       <li><a href="price.html" class="price">By Price</a></li>
23     </ul>
24   </li>
25   <li><a href="shoppingPrices">Shopping</a></li>
26   <li><a href="#">Admin</a>
27     <ul>
28       <li><a href="CustomerOrders">Customer Orders</a></li>
29     </ul>
30   </li>
31 </ul>
32 <li><a href="#">Contact us</a></li>
33 </ul>
34 <br> <a href="AdminStockUpdate">Back</a>
35 <p> There are ${stock} units. Do you want to delete all?
36 <form method="post" action="AdminDelete">
37   <input type="submit" value="Delete">
38   <input type="hidden" name="title" value=${title}>
39   <input type="hidden" name="recordingId" value=${recordingId}>
40 </form>
41 <!-- Defining the footer section of the page -->
42 <footer><a class="link" href="#">Congo Corp</a><br />
43 </footer>
44 </body>
45 </html>

```

Markers Properties Servers Data Source Explorer Snippets Console Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

Writable Smart Insert 1:1

Search the web and Windows 15:54 19/12/2015

Java EE - Congo_14059185/WebContent/AdminDeleteConfirm.jsp - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java EE Debug

Project Explorer AdminDelete... AdminAddAlbu... AdminAddTrac... AdminContact... TracksDAO.java UpdateOrder... AdminDeleteC... 41

```

21   <li><a href="category.html" class="category">By Category</a></li>
22   <li><a href="price.html" class="price">By Price</a></li>
23 </ul>
24 </li>
25 <li><a href="shoppingPrices">Shopping</a></li>
26 <li><a href="#">Admin</a>
27   <ul>
28     <li><a href="CustomerOrders">Customer Orders</a></li>
29     <li><a href="AdminStockUpdate">Update Stock</a></li>
30   </ul>
31 </li>
32 <li><a href="#">Contact us</a></li>
33 </ul>
34 <br> <a href="AdminStockUpdate">Back</a>
35 <p> There are ${stock} units. Do you want to delete all?
36 <form method="post" action="AdminDelete">
37   <input type="submit" value="Delete">
38   <input type="hidden" name="title" value=${title}>
39   <input type="hidden" name="recordingId" value=${recordingId}>
40 </form>
41 <!-- Defining the footer section of the page -->
42 <footer><a class="link" href="#">Congo Corp</a><br />
43 </footer>
44 </body>
45 </html>

```

Markers Properties Servers Data Source Explorer Snippets Console Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

jsp:directive.page Writable Smart Insert 1:1

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JAVA SERVLET

Java EE - Congo_14059185/src/congo/AdminDelete.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer AdminDelete... AdminAddAlbu... AdminAddTrac... AdminContact... TracksDAO.java UpdateOrder... AdminDeleteC... 41

JAX-WS Web Services Java Resources

src congo

```

1 // Janet D'Souza -14059185
2 // Delete the albums from the database.
3 package congo;
4
5 import java.io.IOException;
6
7 /**
8  * Servlet implementation class AdminDelete
9  */
10 @WebServlet("/AdminDelete")
11 public class AdminDelete extends HttpServlet {
12     private static final long serialVersionUID = 1L;
13
14     /**
15      * @see HttpServlet#HttpServlet()
16     */
17     public AdminDelete() {
18         super();
19         // TODO Auto-generated constructor stub
20     }
21
22     /**
23      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
24     */
25     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
26         // TODO Auto-generated method stub
27         Congo_14059185DAO deleteAlbum =new Congo_14059185DAO();
28         deleteAlbum.delete(request.getParameter("title"));
29     }
30
31
32     /**
33      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
34     */
35     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
36         // TODO Auto-generated method stub
37         Congo_14059185DAO deleteAlbum =new Congo_14059185DAO();
38         deleteAlbum.delete(request.getParameter("title"));
39         deleteAlbum.deleteTracks(Integer.parseInt(request.getParameter("recordingId")));
40         RequestDispatcher dispatcher= request.getRequestDispatcher("AdminStockUpdate");
41         dispatcher.forward(request, response);
42     }
43
44
45     /**
46      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
47     */
48     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
49         doGet(request, response);
50     }
51 }
```

Markers Properties Servers Data Source Explorer Snippets Console Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

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Java EE - Congo_14059185/src/congo/AdminDelete.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer AdminDelete... AdminAddAlbu... AdminAddTrac... AdminContact... TracksDAO.java UpdateOrder... AdminDeleteC... 41

JAX-WS Web Services Java Resources

src congo

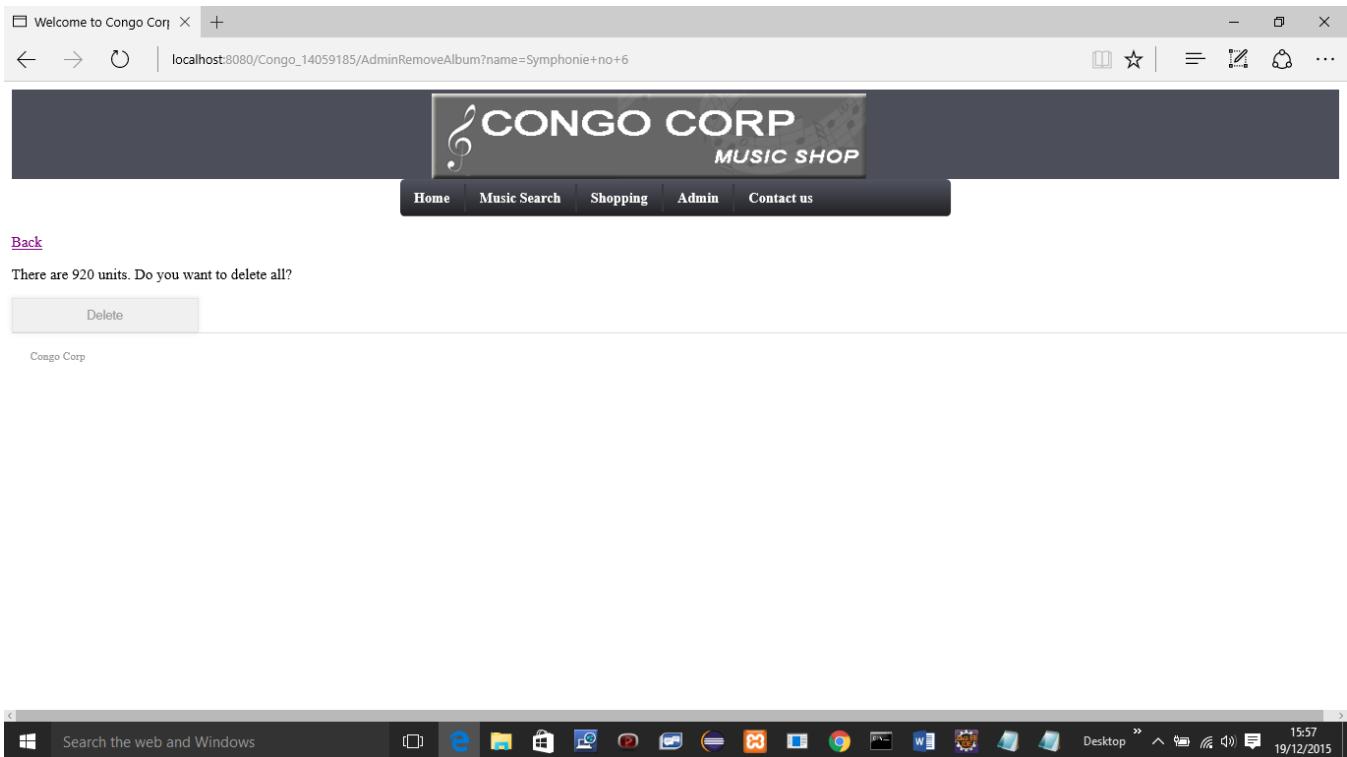
```

24 public AdminDelete() {
25     super();
26     // TODO Auto-generated constructor stub
27 }
28
29 /**
30  * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
31 */
32 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
33     // TODO Auto-generated method stub
34     Congo_14059185DAO deleteAlbum =new Congo_14059185DAO();
35     deleteAlbum.delete(request.getParameter("title"));
36     deleteAlbum.deleteTracks(Integer.parseInt(request.getParameter("recordingId")));
37     RequestDispatcher dispatcher= request.getRequestDispatcher("AdminStockUpdate");
38     dispatcher.forward(request, response);
39 }
40
41 /**
42  * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
43 */
44 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
45     // TODO Auto-generated method stub
46     doGet(request, response);
47 }
48
49
50 }
```

Markers Properties Servers Data Source Explorer Snippets Console Tomcat v7.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_66\bin\javaw.exe (19 Dec 2015, 09:12:15)

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OUTPUT



Admin Stock Update Page

JAVA SERVLET

Java EE - Congo_14059185/src/congo/AdminStockUpdate.java - Eclipse

```

Java EE - Congo_14059185/src/congo/AdminStockUpdate.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
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19/12/2015

Project Explorer AdminStockUp... AdminRemoveA... AdminDelete... AdminAddTrac... AdminContact... TracksDAO.java AdminDeleteC...
congo AdminAddOrder.java AdminAddAlbum.java AdminAddTrack.java AdminContactus.java AdminDelete.java AdminRemoveAlbum.java AdminStockUpdate.java AlbumTracks.java CheckOut.java Congo_14059185DAO.java CongoBean.java ConnectionFactory.java Contactus.java ContactusBean.java ContactusDAO.java CustomerMusicOrderBean.java CustomerMusicOrderDAO.java CustomerOrders.java CustomerOrdersBean.java CustomerOrderDAO.java CustomerOrderBean.java LoginBean.java TracksDAO.java

AdminStockUpdate.java
1 // Janet D'Souza -14059185
2 // Displays all the items from the database with the remove button.
3 package congo;
4
5 import java.io.IOException;
6
7 /**
8 * Servlet implementation class AdminStockUpdate
9 */
10 @WebServlet("/AdminStockUpdate")
11 public class AdminStockUpdate extends HttpServlet {
12     private static final long serialVersionUID = 1L;
13
14     /**
15      * @see HttpServlet#HttpServlet()
16      */
17     public AdminStockUpdate() {
18         super();
19         // TODO Auto-generated constructor stub
20     }
21
22     /**
23      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
24      */
25     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
26         // TODO Auto-generated method stub
27         response.getWriter().append("Served at: ").append(request.getContextPath());
28         response.setContentType("text/html");
29     }
30
31     /**
32      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
33      */
34     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
35         //response.getWriter().append("Served at: ").append(request.getContextPath());
36     }
}

```

Java EE - Congo_14059185/src/congo/AdminStockUpdate.java - Eclipse

```

44     "<div id='header'>+
45     "<img class='headr' src='images/logoCongo.gif'><br>+
46
47     "</div>+
48     "<head>"+<body>+
49     "<ul class='menu'>+
50     "<li><a href='index.html'>Home</a></li>+
51     "<li><a href='#!'>Music Search</a>+
52     "<ul>+
53     "<li><a href='index.html'>All Albums</a></li>+
54     "<li><a href='artist.html'>By Artist</a></li>+
55     "<li><a href='category.html'>By Category</a></li>+
56     "<li><a href='price.html'>By Price</a></li>+
57     "</ul>+
58     "</li>+
59     "<li><a href='shoppingPrices'>Shopping</a></li>+
60     "<li><a href='#!'>Admin</a>+
61     "<ul>+
62     "<li><a href='CustomerOrders'>Customer Orders</a></li>+
63     "<li><a href='AdminStockUpdate'>Update Stock</a></li>+
64     "</ul>+
65     "</li>+
66     "</ul>);

67
68     out.println("<form class='form'><p class='submit'><a href='AdminAddAlbum.html'><input type='button' value='Add new album
69     int count=0;
70     out.println("<table border='1'><tr><th>Sr.No.</th><th>Artist Name</th><th>Title</th><th>Category</th><th>Album Cover</th><th>No.
71     for (CongoBean c : congos) {
    <

```

Java EE - Congo_14059185/src/congo/AdminStockUpdate.java - Eclipse

```

78     out.println("<td><img src='"+path+"'/></td>");
79     out.println("<td> " + c.getNooftracks() + "</td>");
80     out.println("<td> " + c.getPrice() + "</td>");

81
82     /* Add add_to_order button in last cell of row, this passes the record id of the music
83     to AddToOrder */
84     out.print("<td>");

85
86     out.print("<p class='submit'><form action='AdminRemoveAlbum' method='get'> +
87             "<input type='hidden' name='name' value=''" + c.getTitle() + "\"> +
88             "<input type='submit' value='Remove Album' >" + "</form></p>");
89
90     out.println("</td></tr>");
91 }
92
93     out.println("</table>");
94 }

95 /**
96 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
97 */
98 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
99
100     // TODO Auto-generated method stub
101     doGet(request, response);
102 }
103
104 }
105

```

OUTPUT

Welcome to Congo Corp × + ← → ⌂ | localhost:8080/Congo_14059185/AdminStockUpdate

CONGO CORP
MUSIC SHOP

Home Music Search Shopping Admin

Add new album

| Sr.No. | Artist Name | Title | Category | Album Cover | No.of Tracks | Price | Action |
|--------|--------------------|------------------------|-----------|-------------|--------------|-------|--------------|
| 1 | Beethoven | Symphonie no 6 | Classical | | 2 | 15.99 | Remove Album |
| 2 | Glenn Gould - Bach | Concertos 1-7 | Classical | | 9 | 15.99 | Remove Album |
| 3 | Mahler | Symphonie no 1 | Classical | | 8 | 13.99 | Remove Album |
| 4 | Clint Black | Nothing But Taillights | Country | | 12 | 10.99 | Remove Album |
| 5 | Dixie Chicks | Wide Open Spaces | Country | | 12 | 15.99 | Remove Album |

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References

<http://www.kryogenix.org/code/browser/sorttable/> - used this website to sort the table data