Module 4

Exercise: *JDBC DataSource and JMS Queue*

Exercise objective

Adding JDBC DataSource and JMS Queue to JBoss 7.0.2 and 7.1.0

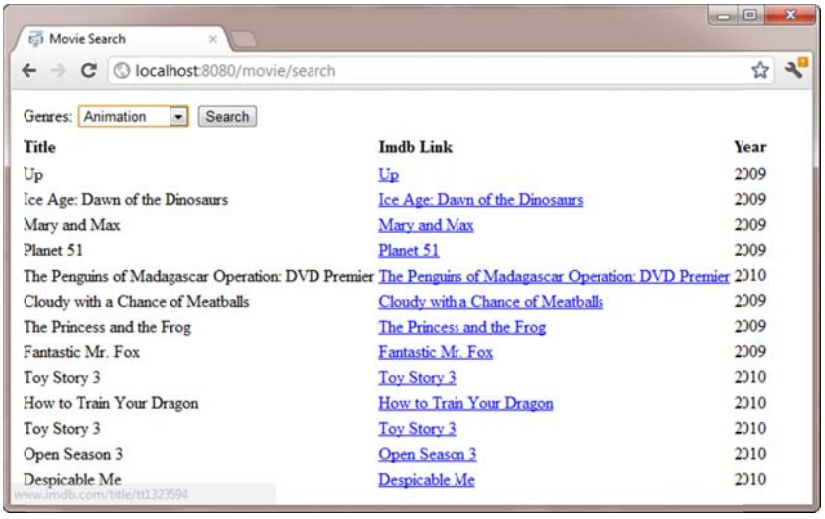
Preparation

Download the following items from the course web page

- The web application: **`MovieWebApplicationUsingJpa.war`**
- The web application: **`HelloWorld.war`**
- The backup of the mysql database **`moviedb`**: **`moviedb.backup.sql`**

Tasks

1. Create a database called **`moviedb`** in mysql.
2. Restore the database **`moviedb`** from the backup **`moviedb.backup.sql`**.
3. Start **`JBoss 7.0.2 Web Final`** in standalone mode.
4. Open the standalone configuration file **`standalone.xml`**.
5. Add a datasource with the following properties:
   Jndi Name: **`java:jboss/datasources/movieDS`**
   Connection url: **`jdbc:mysql://localhost:3306/moviedb`**
   Username: **`root`**
   Password: **`root`**
   Driver: **`mysql`**
   Driver class: **`com.mysql.jdbc.Driver`**
   Maximum pool size: **`30`**
6. Deploy the application **`MovieWebApplicationUsingJpa.war`** to **`standalone\deployments`** folder.
7. Open a web browser and connect to the URL http://localhost:8080/movie/search



Before you continue stop the **`JBoss 7.0.2`**!

8. Start **`JBoss 7.1.0 Final`** in standalone mode with **`standalone-full.xml`** configuration file.
9. Add a JMS destination with the following properties:
   Queue name: **`queue/exampleQueue`**
   Durable: **`yes`**
10. Deploy the application **`HelloWorld.war`** to **`standalone\deployments`** folder.
11. If the deployment is successful than you should see a message containing six unique random numbers between 1-49 in the log for every minute

