Project: FlyAway (An Airline Booking Portal)

Source Code

DAO Class

```java
package com.flightbooking.database;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import com.simplelearn.util.*;
public class ConnectionUtil {
public Connection con=null;
public Statement st=null;
public ConnectionUtil() throws ClassNotFoundException, SQLException{
Class.forName("com.mysql.cj.jdbc.Driver");con=DriverManager.getConnection("jdbc:mysq
l://localhost:3306/moulaali_db","root","Aashiyana@11");
System.out.println("connection established with database");
st=con.createStatement();
}
public List<String[]> getAvailableFlights(String f, String t, String d) {
List<String[]> flights=new ArrayList<>();
String query="SELECT * FROM flyaway.flights where fromf='"+f+"' and tof='"+t+"' and
datef='"+d+"'";
try {
ResultSet rs=st.executeQuery(query);
if(rs.next()) {
String[] flight=new String[3];
flight[0]=rs.getString("name");
flight[1]=rs.getString("timef");
flight[2]=rs.getString("price");
flights.add(flight);
return flights;
}
} catch (SQLException e) {
e.printStackTrace();
}
return null;
}
public HashMap<String, String> checkUser(String email, String password) {
HashMap<String,String> user=null;
String query="select * from user where email='"+email+"' and
password='"+password+"'";
try {
ResultSet rs=st.executeQuery(query);
if(rs.next()) {
user=new HashMap<>();
user.put("name", rs.getString("name"));
user.put("email",rs.getString("email"));
user.put("phno",rs.getString("phno"));
user.put("adno",rs.getString("adno"));
}
return user;
} catch (SQLException e) {
e.printStackTrace();
}
return user;
```

```java
}
public boolean insertUser(HashMap<String, String> user) {
String query="INSERT INTO user (email, password, name, phno, adno)
values('"+user.get("email")+"','"+user.get("password")+"','"+user.get("name")+"','"+
user.get("phno")+"','"+user.get("adno")+"')";
try {
st.execute(query);
return true;
} catch (SQLException e) {
e.printStackTrace();
}
return false;
}
public boolean checkAdmin(String email, String password) {
try {
ResultSet rs=st.executeQuery("select * from admin where email='"+email+"' and
password='"+password+"'");
if(rs.next())
return true;
} catch (SQLException e) {
e.printStackTrace();
}
return false;
}
public boolean changeAdminPassword(String email, String password) {
try {
ResultSet rs=st.executeQuery("select * from admin where email='"+email+"'");
if(!rs.next()) {
return false;
}
st.execute("update admin set password='"+password+"' where email='"+email+"'");
return true;
} catch (SQLException e) {
e.printStackTrace();
}
return false;
}
public boolean insertFlight(HashMap<String, String> flight) throws SQLException {
        String query1 = "INSERT INTO flights (name, fromf, tof, datef, timef, price)
VALUES" + " ('" +StringUtil.fixSqlFieldValue(flight.get("name")) + "'," + " '"+
StringUtil.fixSqlFieldValue(flight.get("from")) + "'," + " '"+
StringUtil.fixSqlFieldValue(flight.get("to")) + "'," + " '" +
StringUtil.fixSqlFieldValue(flight.get("date")) + "'," + " '"+
StringUtil.fixSqlFieldValue(flight.get("time")) + "'," + " '"+
StringUtil.fixSqlFieldValue(flight.get("price")) + "')";
        System.out.println(flight.get("date"));
        System.out.println(flight.get("time"));
try {
//stm.execute();
st.execute(query1);
return true;
} catch (SQLException e) {
System.out.print("error");
e.printStackTrace();
}
return false;
}
}
```

SERVLETS

FilghtInsert.java

```java
package com.flightbooking.servlets;

import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;


import javax.servlet.ServletException;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.flightbooking.database.ConnectionUtil;


@WebServlet("/InsertFlight")
public class FilghtInsert extends HttpServlet {
        private static final long serialVersionUID = 1L;
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

            String name=request.getParameter("name");
            String from=request.getParameter("from");
            String to=request.getParameter("to");
            String departure=request.getParameter("departure");
            String time=request.getParameter("time");
            String price=request.getParameter("price");

            HashMap<String,String> flight=new HashMap<>();
            flight.put("name", name);
            flight.put("from", from);
            flight.put("to", to);
            flight.put("date", departure);
            flight.put("time", time);
            flight.put("price", price);

            try {
                ConnectionUtil dao=new ConnectionUtil();
                HttpSession session=request.getSession();
                if(dao.insertFlight(flight)) {

                        session.setAttribute("message", "Flight Added
Successfully");
                }
                else {
                        session.setAttribute("message", "Invalid Details");
                }

            } catch (ClassNotFoundException | SQLException e) {
                // TODO Auto-generated catch block
                System.out.print("error");
                e.printStackTrace();
            }
            response.sendRedirect("AdminHome.jsp");

    }

}
```

ForgotPassword.java

```java
package com.flightbooking.servlets;

import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;

import  javax.servlet.ServletException;
import  javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.flightbooking.database.ConnectionUtil;
@WebServlet("/ForgotPassword")
public class ForgotPassword extends HttpServlet {
        private static final long serialVersionUID = 1L;
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException

{

                String email=request.getParameter("email");
                String password=request.getParameter("password");

                try {
                        ConnectionUtil dao=new ConnectionUtil();
                        HttpSession session=request.getSession();
                        if(dao.changeAdminPassword(email,password)) {
                                session.setAttribute("message", "Password Changed
Successfully");

                        }
                        else {
                                session.setAttribute("message", "Invalid Details");
                        }

                } catch (ClassNotFoundException | SQLException e) {
                        // TODO Auto-generated catch block
                        e.printStackTrace();
                }
                response.sendRedirect("AdminPage.jsp");

        }

}
```

ListOfFlights.java

```java
package com.flightbooking.servlets;


import java.io.IOException;
import java.sql.SQLException;
import java.util.List;
import  javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import  javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.flightbooking.database.ConnectionUtil;

@WebServlet("/FlightList")
public class ListOfFlights extends HttpServlet {
	private static final long serialVersionUID = 1L;

	protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

		String from=request.getParameter("from");
		String to=request.getParameter("to");
		String departure=request.getParameter("departure");

		try {
			ConnectionUtil dao = new ConnectionUtil();
			List<String[]> flights=dao.getAvailableFlights(from, to, departure);

			HttpSession session=request.getSession();
			session.setAttribute("flights", flights);

		} catch (ClassNotFoundException | SQLException e) {
			// TODO Auto-generated catch block
			e.printStackTrace();
		}
		response.sendRedirect("FlightList.jsp");
	}
}
```

LoginOfAdmin.java

```java
package com.flightbooking.servlets;

import java.io.IOException;
import java.sql.SQLException;
import  javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import  javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
```

```java
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.flightbooking.database.ConnectionUtil;

@WebServlet("/AdminLogin")
public class LoginOfAdmin extends HttpServlet {
    private static final long serialVersionUID = 1L;

protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

    String email=request.getParameter("email");
        String password=request.getParameter("password");

        try {
            ConnectionUtil dao=new ConnectionUtil();

            if(dao.checkAdmin(email,password)) {
                response.sendRedirect("AdminHome.jsp");
            }
            else {
                HttpSession session=request.getSession();
                session.setAttribute("message", "Invalid Details");
                response.sendRedirect("AdminPage.jsp");
            }

        } catch (ClassNotFoundException | SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }

    }

}
```

LoginOfUser.java

```java
package com.flightbooking.servlets;

import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import  javax.servlet.ServletException;
import  javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.flightbooking.database.ConnectionUtil;
@WebServlet("/UserLogin")
public class LoginOfUser extends HttpServlet {
    private static final long serialVersionUID = 1L;
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
```

```java
            String email=request.getParameter("email");
            String password=request.getParameter("password");

            try {
                    ConnectionUtil dao=new ConnectionUtil();
                    HashMap<String,String> user=dao.checkUser(email,password);
                    HttpSession session=request.getSession();
                    if(user!=null) {
                            session.setAttribute("user", user);
                            response.sendRedirect("HomePage.jsp");
                    }
                    else {
                            session.setAttribute("message", "Invalid Details");
                            response.sendRedirect("UserPage.jsp");
                    }

            } catch (ClassNotFoundException | SQLException e) {
                    // TODO Auto-generated catch block
                    e.printStackTrace();
            }

    }
}
```

Logout.java

```java
package com.flightbooking.servlets;

import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import  javax.servlet.ServletException;
import  javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;


@WebServlet("/Logout")
public class Logout extends HttpServlet {
        private static final long serialVersionUID = 1L;
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

            HttpSession session=request.getSession();
            session.setAttribute("user", null);
            response.sendRedirect("HomePage.jsp");
    }

}
```

RegistrationOfUser.java

```java
package com.flightbooking.servlets;

import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import  javax.servlet.ServletException;
import  javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.flightbooking.database.ConnectionUtil;

@WebServlet("/UserRegistration")
public class RegistrationOfUser extends HttpServlet {
	private static final long serialVersionUID = 1L;
	protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
		String email=request.getParameter("email");
		String password=request.getParameter("password");
		String name=request.getParameter("name");
		String phno=request.getParameter("phno");
		String adno=request.getParameter("adno");

		HashMap<String,String> user=new HashMap<>();
		user.put("email", email);
		user.put("password", password);
		user.put("name", name);
		user.put("phno", phno);
		user.put("adno", adno);

		try {
			ConnectionUtil dao=new ConnectionUtil();
			boolean result=dao.insertUser(user);
			HttpSession session=request.getSession();
			if(result) {
				session.setAttribute("message", "User Added
Successfully");

			}
			else {
				session.setAttribute("message","Invalid Details");
			}

		} catch (ClassNotFoundException | SQLException e) {
			// TODO Auto-generated catch block
			e.printStackTrace();
		}
		response.sendRedirect("UserPage.jsp");
	}

}
```

StringUtil.java

```java
package com.simplelearn.util;

public class StringUtil {
    public static String fixSqlFieldValue(String value) {
        if (value == null) {
            return null;
        }
        int length = value.length();
        StringBuffer fixedValue = new StringBuffer((int)(length*1.1));
        for(int i = 0 ; i < length ;i++) {
            char c = value.charAt(i);
            if ( c == '\'') {
                fixedValue.append("''");
            }else {
                fixedValue.append(c);
            }
        }
        return fixedValue.toString();
    }

    public static String encodeHtmlTag(String tag) {
        if (tag==null)
            return null;
        int length = tag.length();
        StringBuffer encodedTag = new StringBuffer(2 * length);
        for(int i = 0 ; i < length;i++) {
            char c = tag.charAt(i);
            if(c=='<')
                encodedTag.append("<");
            else if(c=='>')
                encodedTag.append(">");
            else if(c=='&')
                encodedTag.append("&amp;");
            else if(c=='"')
                encodedTag.append("&quot;");
            else if(c==' ')
                encodedTag.append(" ");
            else
                encodedTag.append(c);
        }

        return encodedTag.toString();
    }
}
```

JSP

AdminHome.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Admin Home</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>
<h1>Insert New Flight Details</h1>

<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=InsertFlight method=post>
    <label for=name>Name :-</label> <input type="text" name=name id=name
/><br><br>
    <label for=from>From :-</label> <input type="text" name=from id=from
/><br><br>
    <label for=to>To :-</label> <input type="text" name=to id=to /><br><br>
    <label for=departure>Departure :-</label> <input type="date" name=departure
id=departure /><br><br>
    <label for=time>Time :-</label> <input type="time" name=time id=time
/><br><br>
    <label for=price>Price :-</label> <input type="text" name=price id=price
/><br><br>
    <input type=submit value=submit /> <input type=reset />
</form>
</div>
<%
    String message=(String)session.getAttribute("message");
    if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
        session.setAttribute("message", null);
    }
%>
</body>
</html>
```

AdminPage.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Admin Page</title>
</head>
<body >
<br>
```

```jsp
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>
<h2>Admin Login</h2>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=AdminLogin method=post>
      <label for=email>Email :-</label> <input type="email" name=email id=email
/><br><br>
      <label for=pass>Password :-</label> <input type="password" name=password
id=pass /><br><br>
      <input type=submit value=submit /> <input type=reset />
</form>
</div>
<a href=ForgotPassword.jsp style="font-size:25;color:red;">Forgot Password</a>

<%
      String message=(String)session.getAttribute("message");
      if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
            session.setAttribute("message", null);
      }
%>
</body>
                                          </html>
```

BookFlight.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>FlyAway</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>

<%
      @SuppressWarnings("unchecked")
```

```
        HashMap<String,String>
user=(HashMap<String,String>)session.getAttribute("user");
        if(user==null){
                response.sendRedirect("UserPage.jsp");
        }
%>
<p align="center" style="color:green;font-size:40px;font-weight:bold">Flight
Booked Successfully</p>
</body>
</html>
```

FlightList.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<%@ page import="java.util.*" %>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Flight List</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>
<%
        @SuppressWarnings("unchecked")
        List<String[]> flights=(List<String[]>)session.getAttribute("flights");
        if(flights!=null){
%>

<h1>Available Flights</h1>

<table border="1">
<tr>
        <th>Name</th>
        <th>Time</th>
        <th>Price</th>
</tr>



<%
        for(String[] flight:flights){
%>


<tr>
<td><%=flight[0]%></td>
<td><%=flight[1]%></td>
<td><%=flight[2]%></td>
</tr>
```

```
</table>
<a href=BookFlight.jsp>Book Now</a>
<%
        }
%>


<%
        }
        else{
%>
<h1>There are no available flights</h1>
<%
        }
%>
</body>
</html>
```

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=ForgotPassword method=post>
        <label for=email>Email :-</label> <input type="email" name=email id=email
/><br><br>
        <label for=pass>New Password :-</label> <input type="password"
name=password id=pass /><br><br>
        <input type=submit value=submit /> <input type=reset />
</form>
</div>
</body>
                                        </html>
```

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
```

```jsp
<head>
<meta charset="ISO-8859-1">
<title>Flight Booking</title>
</head>
<body >
<h1>FlyAway</h1>

<div align="right">
<a href="AdminPage.jsp">Admin Login</a>
</div>

<%
        @SuppressWarnings("unchecked")
        HashMap<String,String>
user=(HashMap<String,String>)session.getAttribute("user");
        if(user!=null){
%>
<p>Welcome <%=user.get("name") %></p>
<a href="Logout">Logout</a>
<%
        }else{
%>
<a href=UserPage.jsp>User Login</a>
<%
        }
%>
<br><br>
<div style="border:5px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=FlightList method=post>
        <label for=from>From :-</label> <input type=text name=from
id=from/><br><br>
        <label for=to>To :-</label> <input type=text name=to id=to/><br><br>
        <label for=departure>Departure :-</label> <input type=date name=departure
id=departure/><br><br>
        <label for=travellers>Travellers :-</label> <input type=number
name=travellers id=travellers/><br><br>
        <input type=submit value=Search /> <input type=reset />
</form>
</div>
</body>
                              </html>
```

UserPage.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body >
<br>
```

```jsp
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>
<h2>User Login</h2>
<div style="border:2px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=UserLogin method=post >
    <table >
    <tr>
    <td><label for=email>Email</label><br></td>
    <td><input type="email" name=email id=email /></td>
    </tr>
    <tr>
    <td><label for=pass>Password</label><br></td>
    <td><input type="password" name=password id=pass /></td>
    </tr>

    <tr>
    <td><input type=submit value=submit /></td>
    <td><input type=reset /></td>
    </tr>
    </table>

</form>
</div>
<br><br>
<i>New User-Create account</i>
<h4><a href=UserRegistration.jsp style="font-size:25;color:red;">Create
Account</a></h4>

<%
    String message=(String)session.getAttribute("message");
    if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
        session.setAttribute("message", null);
    }
%>
</body>
                                    </html>
```

UserRegistration.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body >
```

```html
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
weight:bold;">Flight Booking</a>
<br><br>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=UserRegistration method=post>
     <label for=email>Email :-</label> <input type="email" name=email id=email
/><br><br>
     <label for=pass>Password :-</label> <input type="password" name=password
id=pass /><br><br>
     <label for=name>Name :-</label> <input type="text" name=name id=name
/><br><br>
     <label for=phno>Phone No. :-</label> <input type="text" name=phno id=phno
/><br><br>
     <label for=adno>Aadhaar No. :-</label> <input type="text" name=adno id=adno
/><br><br>
     <input type=submit value=submit /> <input type=reset />
</form>
</div>
</body>
                              </html>
```

web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" version="4.0">
  <display-name>Flight Booking</display-name>
  <welcome-file-list>
    <welcome-file>UserRegistration.jsp</welcome-file>
    <welcome-file>AdminHome.jsp</welcome-file>
    <welcome-file>AdminPage.jsp</welcome-file>
    <welcome-file>FlightList.jsp</welcome-file>
    <welcome-file>BookFlight.jsp</welcome-file>
    <welcome-file>ForgotPassword.jsp</welcome-file>
    <welcome-file>HomePage.jsp</welcome-file>
    <welcome-file>UserPage.jsp</welcome-file>
  </welcome-file-list>
</web-app>
```

pom.xml

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>org.simplilearn.workshop</groupId>
  <artifactId>FlyAway</artifactId>
  <version>1.0-SNAPSHOT</version>
  <packaging>war</packaging>
  <name>FlyAway</name>
  <description>FlyAway is a ticket-booking portal that lets people book flights on
their website.</description>
  <properties>
            <maven.compiler.source>1.8</maven.compiler.source>
            <maven.compiler.target>1.8</maven.compiler.target>
      </properties>

 <build>
  <plugins>
  <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-war-plugin</artifactId>
    <version>2.6</version>
    <configuration>
      <failOnMissingWebXml>false</failOnMissingWebXml>
    </configuration>
  </plugin>
  </plugins>
  </build>
      <dependencies>
          <dependency>
    <groupId>javax.servlet.jsp</groupId>
    <artifactId>javax.servlet.jsp-api</artifactId>
    <version>2.3.3</version>
    <scope>provided</scope>
    </dependency>
          <dependency>
              <groupId>javax.servlet</groupId>
              <artifactId>javax.servlet-api</artifactId>
              <version>4.0.1</version>
              <scope>provided</scope>
          </dependency>
          <dependency>
              <groupId>mysql</groupId>
              <artifactId>mysql-connector-java</artifactId>
              <version>8.0.23</version>
          </dependency>

      </dependencies>
</project>
```