- CourseManagement
  - Deployment Descriptor: CourseMa
  - JAX-WS Web Services
  - Java Resources
    - src/main/java
      - com.OCMS.bean
        - Ocms.java
      - com.OCMS.controller
        - Servlet.java
      - com.OCMS.dao
        - OcmsDao.java
      - com.OCMS.util
        - OcmsUtil.java
    - Libraries
  - build

- src
  - main
    - java
    - webapp
      - META-INF
      - WEB-INF
      - banner.jsp
      - delete.jsp
      - deletefailure.jsp
      - deletesuccess.jsp
      - findallfail.jsp
      - findallsuccess.jsp
      - index.jsp
      - insert.jsp
      - insertfailure.jsp
      - insertsuccess.jsp
      - link.jsp
      - update.jsp
      - updatefailure.jsp
      - updatesuccess.jsp
      - view.jsp
      - viewjsp.jsp
      - viewjspfailure.jsp

	CourseID	CourseName	CourseType	CourseDuration	CourseFee
*	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Expo

```java
package com.OCMS.bean;

public class Ocms {
private int CourseID;
private String CourseName;
private String CourseType;
private int CourseDuration;
private float CourseFee;
public Ocms(int courseID, String courseName, String courseType, int
courseDuration, float courseFee) {
super();
this.CourseID = courseID;
this.CourseName = courseName;
this.CourseType = courseType;
this.CourseDuration = courseDuration;
this.CourseFee = courseFee;
}

public Ocms() {
super();

}

public int getCourseID() {
return CourseID;
}

public void setCourseID(int courseID) {
CourseID = courseID;
}

public String getCourseName() {
return CourseName;
}

public void setCourseName(String courseName) {
CourseName = courseName;
}

public String getCourseType() {
return CourseType;
}
```

```java
public void setCourseType(String courseType) {
CourseType = courseType;
}

public int getCourseDuration() {
return CourseDuration;
}

public void setCourseDuration(int courseDuration) {
CourseDuration = courseDuration;
}

public float getCourseFee() {
return CourseFee;
}

public void setCourseFee(float courseFee) {
CourseFee = courseFee;
}

}




package com.OCMS.controller;

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;

import com.OCMS.dao.*;
import com.OCMS.bean.*;
import java.util.LinkedList;

/**
 * Servlet implementation class Servelet
 */
```

```java
public class Servlet extends HttpServlet {

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

int n=0;
OcmsDao dao=new OcmsDao();
PrintWriter out=response.getWriter();
String action=request.getParameter("button");

if(action.equals("Insert")) {
RequestDispatcher rd=request.getRequestDispatcher("insert.jsp");

int id=Integer.parseInt(request.getParameter("CourseID"));
String name=request.getParameter("CourseName");
String type=request.getParameter("CourseType");
int duration=Integer.parseInt(request.getParameter("CourseDuration"));
float fee=Integer.parseInt(request.getParameter("CourseFee"));
 Ocms course = new Ocms(id,name,type,duration,fee);
n=dao.insert(course);

if(n==1) {
response.sendRedirect("insertsuccess.jsp");
}
else {
response.sendRedirect("insertfailure.jsp");
}
}


else if (action.equals("Find")) {


int id=Integer.parseInt(request.getParameter("CourseID"));

 Ocms course=dao.find(id);

if (course!=null) {
RequestDispatcher rd=request.getRequestDispatcher("viewjsp.jsp");
request.setAttribute("bean", course);
rd.include(request, response);
```

```java
}
else
{
response.sendRedirect("viewjspfailure.jsp");
}
}

else if(action.equals("find all"))
{
RequestDispatcher rd=request.getRequestDispatcher("view.jsp");
LinkedList<Ocms> course=new LinkedList<Ocms>();
course=dao.findAll();

if(course.size()>0) {
RequestDispatcher
rd1=request.getRequestDispatcher("findallsuccess.jsp");
request.setAttribute("list",course);
rd1.include(request, response);
}
else
{
rd.include(request, response);
out.write("<h1> <font color=red> Record Not Found </font></h1>");
}
}

else if (action.equals("Delete")) {
RequestDispatcher rd=request.getRequestDispatcher("delete.jsp");
int id=Integer.parseInt(request.getParameter("CourseID"));
n=dao.delete(id);
if (n==1) {
response.sendRedirect("deletesuccess.jsp");
}else {
rd.include(request, response);
response.sendRedirect("deletefailure.jsp");
}
}

else if(action.equals("Update")){
        int n1=0;
 OcmsDao dao1=new OcmsDao();
 PrintWriter out1=response.getWriter();
```

```java
    String action1=request.getParameter("button");

    if(action1.equals("Update"))
    {
    RequestDispatcher rd=request.getRequestDispatcher("update.jsp");

    int id=Integer.parseInt(request.getParameter("CourseID"));
String name=request.getParameter("CourseName");
String type=request.getParameter("CourseType");
int duration=Integer.parseInt(request.getParameter("CourseDuration"));
float fee=Integer.parseInt(request.getParameter("CourseFee"));

    Ocms course1=new Ocms(id,name,type,duration,fee);
    n1=dao1.update(course1);

    if(n1==1) {
        response.sendRedirect("updatesuccess.jsp");
    }
    else
    {
        response.sendRedirect("updatefailure.jsp");
    }
    }


    }
        }

    }



package com.OCMS.dao;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.LinkedList;

import com.OCMS.bean.Ocms;
import com.OCMS.util.OcmsUtil;
```

```java
public class OcmsDao {



public int insert(Ocms course)
{
int n=0;
try
{
Connection con=OcmsUtil.getDBConnection();
String sql="insert into c_details values(?,?,?,?,?)";
PreparedStatement ps=con.prepareStatement(sql);
ps.setInt(1,course.getCourseID());
ps.setString(2,course.getCourseName());
ps.setString(3, course.getCourseType());
ps.setInt(4, course.getCourseDuration());
ps.setFloat(5,course.getCourseFee());
n=ps.executeUpdate();
}
catch (Exception e)
{
System.out.println(e);
}

return n;
}


public int update(Ocms id) {
int n=0;
try {
Connection con=OcmsUtil.getDBConnection();
String sql="update c_details set CourseName=?,CourseType=? where
CourseID=?";
PreparedStatement ps=con.prepareStatement(sql);
ps.setInt(1,id.getCourseID());
ps.setString(2,id.getCourseName());
ps.setString(3, id.getCourseType());
ps.setInt(4, id.getCourseDuration());
ps.setFloat(5,id.getCourseFee());
```

```java
n=ps.executeUpdate();

} catch (Exception e) {
// TODO: handle exception
System.out.println(e);
}
return n;
}

public Ocms find(int id) {
Ocms course=null;
ResultSet rs;
try {
Connection con=OcmsUtil.getDBConnection();
String sql="select * from c_details where CourseID=?";
PreparedStatement ps=con.prepareStatement(sql);
ps.setInt(1, id);
rs=ps.executeQuery();
if (rs.next()) {
  course=new Ocms();
course.setCourseID(rs.getInt(1));
course.setCourseName(rs.getString(2));
course.setCourseType(rs.getString(3));
course.setCourseDuration(rs.getInt(4));
course.setCourseFee(rs.getFloat(5));
}


} catch (Exception e) {
// TODO: handle exception
System.out.println(e);
}
return course;

}


public LinkedList<Ocms> findAll(){
int n=0;


LinkedList<Ocms> list=new LinkedList<Ocms>();
```

```java
Ocms course=null;
try {
Connection con=OcmsUtil.getDBConnection();
String sql="select * from c_details";
PreparedStatement ps=con.prepareStatement(sql);
ResultSet rs=ps.executeQuery();

while(rs.next()) {
course=new Ocms();
course.setCourseID(rs.getInt(1));
course.setCourseName(rs.getString(2));
course.setCourseType(rs.getString(3));
course.setCourseDuration(rs.getInt(4));
course.setCourseFee(rs.getFloat(5));
list.add(course);
}

}catch(Exception e) {
System.out.println(e);
}
return list;
}

public int delete(int id) {
int n=0;
try {
Connection con=OcmsUtil.getDBConnection();
String sql="delete from c_details where CourseID=?";
PreparedStatement ps=con.prepareStatement(sql);
ps.setInt(1, id);
n=ps.executeUpdate();

} catch (Exception e) {
// TODO: handle exception
System.out.println(e);
}
return n;
}
}


package com.OCMS.util;
```

```java
import java.sql.Connection;
import java.sql.DriverManager;
public class OcmsUtil {

public static Connection getDBConnection() {


Connection con=null;

final String URL="jdbc:mysql://localhost:3306/OCMS";
final String User="root";
final String pass="Password@12345";

try {
Class.forName("com.mysql.cj.jdbc.Driver");

con=DriverManager.getConnection(URL,User,pass);
}
catch(Exception e) {
System.out.println(e);
}
return con;
}
}
```

Banner 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>
<style>

body{
margin:0px;
background-color: rgb(120,153,173);
}
.bg-img{
```

```css
display: flex;
position: absolute;
background-position: center;
background-repeat: no-repeat;
background-size: cover;

}

.background{
width: 1518px;
height: 100px;
}

.mainContainer{
display: flex;
position: relative;
align-content: center;
}

.banner{
display:flex;
flex:1;
color: white;
font-size: 24px;
}

.empty{
display:flex;
flex:1;
}

.links{
display:flex;
flex:1;
justify-content: space-between;
margin: 20px 10px;
align-content: center;
}

#linktag{
text-decoration: none;
font-size: 24px;
color: whitesmoke;
```

```
}

</style>
</head>
<body>
<div class="mainContainer">
<div class="banner"><h3><marquee>Welcome to Online Course Management
System</marquee></h3></div>
<div class="empty"></div>
<div class="links">
<div><a href="Insert.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2" id="linktag">Insert</a></div>
<div><a href="delete.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2" id="linktag">Delete</a></div>
<div><a href="update.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2" id="linktag">Update</a></div>
<div><a href="view.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2" id="linktag">View</a></div>

</div>

</div>

</body>
</html>
```

Delete.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>
<style>
.header{
display: flex;
flex: 2;
flex-direction: row;
justify-content: space-between;
```

```css
}

img{
background-repeat:no-repeat;
background-size:cover;
height: 100%;
width: 100%;
}

.bg-img{
background-image:url('');
background-repeat:no-repeat;
background-size:cover;
filter: blur(5px);
height: 100%;
width: 100%;
position: absolute;
}

.totalcontainer{
position: relative;
}

div{
color: whitesmoke;
font-weight: bolder;
font-size: 26px;
}
.menu{
display: flex;
flex: 1;
flex-direction: row;
justify-content: space-between;
margin-left: 30px;
margin-right: 30px;
align-items: center;
}

.empty{
display: flex;
flex: 1;
}
```

```css
#link{
text-decoration: none;
color: whitesmoke;
font-size: 26px;
}

.bodycontainer{
display: flex;
justify-content: center;
height: 100%;
}

.container1{
background-color:rgba(120,153,173,0.7);
display: flex;
justify-content: center;
flex-direction: column;
border-radius: 10px;
padding: 15px 10px;
width: 30%;
margin-top: 10%;
}

.inputbox{
background-color: transparent;
width: 95%;
height: 30px;
border: 2px solid black;
border-radius: 20px;
margin: 5px;
}

.submitbtn{
background-color:rgba(120,153,173,0.7);
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
cursor: pointer;
}

.submitbtn:hover{
background-color:transparent;
```

```
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
}

::placeholder{
color: black;
padding: 0 5px;
margin: 0 5px;
}

</style>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.mi
n.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>
<form action="Servlet" method="post">
<div class="bg-img"> <img
src="https://c4.wallpaperflare.com/wallpaper/595/197/79/landscape-
deer-sun-pine-trees-wallpaper-preview.jpg" alt=""></div>
<div class="totalcontainer">
<div class="bodycontainer">
<div class="container1">
<input class="inputbox" type="text" placeholder="Enter ID"
name="CourseID"><br>
<center><input class="submitbtn" type="submit" value="Delete"
name="button"></center>
</div>
</div>
</div>
</form>
</body>
</html>
```

Delete failure.jsp:

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

```jsp
<%@ include file="delete.jsp" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record Deletion Failed");
</script>

</body>
</html>
```

Delete succcess:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="delete.jsp" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record Deleted Successfully");
</script>

</body>
</html>
```

Findall fail.jsp:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="view.jsp" %>
<!DOCTYPE html>
```

```html
<html>
<head>
<style>
body{
background-color: rgb(120,153,173);
margin-top: 20px;

}

</style>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record Finding Failed");
</script>

</body>
</html>
```

Findall sucess:

```jsp
<%@page import="java.util.ArrayList"%>
<%@page import="java.util.LinkedList"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@page import="com.OCMS.bean.Ocms" %>
<!DOCTYPE html>
<html>
<head>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.
min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">"
<style>
.header{
display: flex;
flex: 2;
flex-direction: row;
```

```css
  justify-content: space-between;
}

img{
background-repeat:no-repeat;
background-size:cover;
height: 100%;
width: 100%;
}

.bg-img{
background-image:url('');
background-repeat:no-repeat;
background-size:cover;
filter: blur(5px);
height: 100%;
width: 100%;
position: absolute;
}

.totalcontainer{
position: relative;
}

div{
color: whitesmoke;
font-weight: bolder;
font-size: 26px;
}
.menu{
display: flex;
flex: 1;
flex-direction: row;
justify-content: space-between;
margin-left: 30px;
margin-right: 30px;
align-items: center;
}

.empty{
display: flex;
flex: 1;
}
```

```css
#link{
text-decoration: none;
color: whitesmoke;
font-size: 26px;
}

.bodycontainer{
display: flex;
justify-content: center;
height: 100%;
}

.container1{
background-color:rgba(120,153,173,0.7);
display: flex;
justify-content: center;
flex-direction: column;
border-radius: 10px;
padding: 15px 10px;
width: 40%;
margin-top: 10%;
}

.inputbox{
background-color: transparent;
width: 95%;
height: 30px;
border: 2px solid black;
border-radius: 20px;
margin: 5px;
}

.submitbtn{
background-color:rgba(120,153,173,0.7);
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
cursor: pointer;
}

.submitbtn:hover{
```

```css
background-color:transparent;
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
}

::placeholder{
color: black;
padding: 0 5px;
margin: 0 5px;
}
```

```html
</style>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="Servlet" method="post">
<div class="bg-img"> <img
src="https://c4.wallpaperflare.com/wallpaper/595/197/79/landscape-
deer-sun-pine-trees-wallpaper-preview.jpg" alt=""></div>
<div class="totalcontainer">
<div class="bodycontainer">
<div class="container1">

<%
LinkedList<Ocms> list =
(LinkedList<Ocms>)request.getAttribute("list");
out.write("<font size=4px color=black> <table align=center
class='table table-borderless'> "
+"<tr>"
+"<th> Course ID </th>"
+"<th> Course Name </th>"
+"<th> Course Type </th>"
+"<th> Course Duration </th>"
 +"<th> Course Fee</th>"
+"</tr>");
for (Ocms s : list) {
out.print("<tr>"
+"<td>"+s.getCourseID()+"</td>"
```

```jsp
+"<td>"+s.getCourseName()+"</td>"
+"<td>"+s.getCourseType()+"</td>"
+"<td>"+s.getCourseDuration()+"</td>"
+"<td>"+s.getCourseFee()+"</td>"
);
}
out.print("</table></font>");

%>
</div>
</div>
</div>
</form>
</body>
</html>
```

Index 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>Online Course Management System</title>


<frameset rows="10%,90%">
<frame name="banner" src="banner.jsp">
<frame name="frame2" src="insert.jsp">
</frameset>

</head>
<body>

</body>
</html>
```

Insert 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 Page</title>
<style>
.header{
display: flex;
flex: 2;
flex-direction: row;
justify-content: space-between;
}

img{
background-repeat:no-repeat;
background-size:cover;
height: 100%;c
width: 100%;
}

.bg-img{
background-image:url('');
background-repeat:no-repeat;
background-size:cover;
filter: blur(5px);
height: 100%;
width: 100%;
position: absolute;
}

.totalcontainer{
position: relative;
}

div{
color: whitesmoke;
font-weight: bolder;
font-size: 26px;
}
```

```css
.menu{
display: flex;
flex: 1;
flex-direction: row;
justify-content: space-between;
margin-left: 30px;
margin-right: 30px;
align-items: center;
}

.empty{
display: flex;
flex: 1;
}

#link{
text-decoration: none;
color: whitesmoke;
font-size: 26px;
}

.bodycontainer{
display: flex;
justify-content: center;
height: 100%;
}

.container1{
background-color:rgba(120,153,173,0.7);
display: flex;
justify-content: center;
flex-direction: column;
border-radius: 10px;
padding: 15px 10px;
width: 30%;
margin-top: 10%;
}

.inputbox{
background-color: transparent;
width: 95%;
height: 30px;
border: 2px solid black;
```

```css
border-radius: 20px;
margin: 5px;
}

.submitbtn{
background-color:rgba(120,153,173,0.7);
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
cursor: pointer;
}

.submitbtn:hover{
background-color:transparent;
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
}

::placeholder{
color: black;
padding: 0 5px;
margin: 0 5px;
}

</style>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>
<form action="Servlet" method="post">
<div class="bg-img"> <img
src="https://c4.wallpaperflare.com/wallpaper/595/197/79/landscape-
deer-sun-pine-trees-wallpaper-preview.jpg" alt=""></div>
<div class="totalcontainer">
<div class="bodycontainer">
<div class="container1">
```

```
<input class="inputbox" type="text" placeholder="Enter Id"
name="CourseID"><br>
<input class="inputbox" type="text" placeholder="Enter Name"
name="CourseName"><br>
<input class="inputbox" type="text" placeholder="Enter type"
name="CourseType"><br>
<input class="inputbox" type="text" placeholder="Enter Duration"
name="CourseDuration"><br>
<input class="inputbox" type="text" placeholder="Enter Fee"
name="CourseFee"><br>
<center><input class="submitbtn" type="submit" value="Insert"
name="button"></center>
</div>
</div>
</div>
</form>

</body>
</html>
```

Insert Failure:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="insert.jsp" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record Insertion Failed");
</script>
</body>
</html>
```

Insert Success:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="insert.jsp" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record Inserted Successfully");
</script>
</body>
</html>
```

Links 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 Page</title>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.mi
n.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
<style>

.Insert{
padding:5px;
}

.delete{
padding:5px;
}

.update{
```

```
padding:5px;
}

.view{
view:10px;
}


</style>
</head>
<body>
<form action="InsertServlet" method="post">
<br><br><br>
<br>
<center>
<font size="5px" color="orange">
<div class="all">
<div class="Insert">
<a href="Insert.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2">Insert</a><br>
</div>
<div class="delete">
<a href="delete.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2">Delete</a><br>
</div>
<div class="update">
<a href="update.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2">Update</a><br>
</div>
<div class="view">
<a href="view.jsp" class="btn btn-primary btn-lg" name="button"
target="frame2">View</a>
</div>
</div>
</font>
</center>
</form>

</body>
</html>
```

Update 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>Update Page</title>
<style>
.header{
display: flex;
flex: 2;
flex-direction: row;
justify-content: space-between;
}

img{
background-repeat:no-repeat;
background-size:cover;
height: 100%;
width: 100%;
}

.bg-img{
background-image:url('');
background-repeat:no-repeat;
background-size:cover;
filter: blur(5px);
height: 100%;
width: 100%;
position: absolute;
}

.totalcontainer{
position: relative;
}

div{
color: whitesmoke;
font-weight: bolder;
font-size: 26px;
}
.menu{
```

```css
display: flex;
flex: 1;
flex-direction: row;
justify-content: space-between;
margin-left: 30px;
margin-right: 30px;
align-items: center;
}

.empty{
display: flex;
flex: 1;
}

#link{
text-decoration: none;
color: whitesmoke;
font-size: 26px;
}

.bodycontainer{
display: flex;
justify-content: center;
height: 100%;
}

.container1{
background-color:rgba(120,153,173,0.7);
display: flex;
justify-content: center;
flex-direction: column;
border-radius: 10px;
padding: 15px 10px;
width: 30%;
margin-top: 10%;
}

.inputbox{
background-color: transparent;
width: 95%;
height: 30px;
border: 2px solid black;
border-radius: 20px;
```

```css
    margin: 5px;
}

.submitbtn{
background-color:rgba(120,153,173,0.7);
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
cursor: pointer;
}

.submitbtn:hover{
background-color:transparent;
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
}

::placeholder{
color: black;
padding: 0 5px;
margin: 0 5px;
}

</style>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>
<form action="Servlet" method="post">
<div class="bg-img"> <img
src="https://c4.wallpaperflare.com/wallpaper/595/197/79/landscape-
deer-sun-pine-trees-wallpaper-preview.jpg" alt=""></div>
<div class="totalcontainer">
<div class="bodycontainer">
<div class="container1">
```

```
<input class="inputbox" type="text" placeholder="Enter Id"
name="CourseID"><br>
<input class="inputbox" type="text" placeholder="Enter Name"
name="CourseName"><br>
<input class="inputbox" type="text" placeholder="Enter type"
name="CourseType"><br>
<input class="inputbox" type="text" placeholder="Enter duration"
name="CourseDuration"><br>
<input class="inputbox" type="text" placeholder="Enter Fee"
name="CourseFee"><br>
<center><input class="submitbtn" type="submit" value="Update"
name="button"></center>
</div>
</div>
</div>
</form>
</body>
</html>
```

Update failure jsp:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="update.jsp" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record updated Successfully");
</script>

</body>
</html>
```

Update success jsp:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="update.jsp" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record updated Successfully");
</script>
</body>
</html>
```

View 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>
<style>
.header{
display: flex;
flex: 2;
flex-direction: row;
justify-content: space-between;
}

img{
background-repeat:no-repeat;
background-size:cover;
height: 100%;
width: 100%;
}

.bg-img{
background-image:url('');
```

```css
background-repeat:no-repeat;
background-size:cover;
filter: blur(5px);
height: 100%;
width: 100%;
position: absolute;
}

.totalcontainer{
position: relative;
}

div{
color: whitesmoke;
font-weight: bolder;
font-size: 26px;
}
.menu{
display: flex;
flex: 1;
flex-direction: row;
justify-content: space-between;
margin-left: 30px;
margin-right: 30px;
align-items: center;
}

.empty{
display: flex;
flex: 1;
}

#link{
text-decoration: none;
color: whitesmoke;
font-size: 26px;
}

.bodycontainer{
display: flex;
justify-content: center;
height: 100%;
}
```

```css
.container1{
background-color:rgba(120,153,173,0.7);
display: flex;
justify-content: center;
flex-direction: column;
border-radius: 10px;
padding: 15px 10px;
width: 30%;
margin-top: 10%;
}

.inputbox{
background-color: transparent;
width: 95%;
height: 30px;
border: 2px solid black;
border-radius: 20px;
margin: 5px;
}

.submitbtn{
background-color:rgba(120,153,173,0.7);
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
cursor: pointer;
}

.submitbtn:hover{
background-color:transparent;
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
}

::placeholder{
color: black;
padding: 0 5px;
margin: 0 5px;
}
```

```
</style>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.mi
n.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>
<form action="Servlet" method="post">
<div class="bg-img"> <img
src="https://c4.wallpaperflare.com/wallpaper/595/197/79/landscape-
deer-sun-pine-trees-wallpaper-preview.jpg" alt=""></div>
<div class="totalcontainer">
<div class="bodycontainer">
<div class="container1">
<input class="inputbox" type="text" placeholder="Enter Id"
name="CourseID"><br>
<center><input class="submitbtn" type="submit" value="Find"
name="button"></center><br>
<center><input class="submitbtn" type="submit" value="find all"
name="button"></center>
</div>
</div>
</div>
</form>
</body>
</html>
```

ViewAll jsp:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@page import="com.OCMS.bean.Ocms" %>
<%@page import="java.util.LinkedList"%>
<!DOCTYPE html>
<html>
<head>
<style>
.header{
display: flex;
flex: 2;
```

```css
    flex-direction: row;
    justify-content: space-between;
}

img{
background-repeat:no-repeat;
background-size:cover;
height: 100%;
width: 100%;
}

.bg-img{
background-image:url('');
background-repeat:no-repeat;
background-size:cover;
filter: blur(5px);
height: 100%;
width: 100%;
position: absolute;
}

.totalcontainer{
position: relative;
}

div{
color: whitesmoke;
font-weight: bolder;
font-size: 26px;
}
.menu{
display: flex;
flex: 1;
flex-direction: row;
justify-content: space-between;
margin-left: 30px;
margin-right: 30px;
align-items: center;
}

.empty{
display: flex;
flex: 1;
```

```css
}

#link{
text-decoration: none;
color: whitesmoke;
font-size: 26px;
}

.bodycontainer{
display: flex;
justify-content: center;
height: 100%;
}

.container1{
background-color:rgba(120,153,173,0.7);
display: flex;
justify-content: center;
flex-direction: column;
border-radius: 10px;
padding: 15px 10px;
width: 30%;
margin-top: 10%;
}

.inputbox{
background-color: transparent;
width: 95%;
height: 30px;
border: 2px solid black;
border-radius: 20px;
margin: 5px;
}

.submitbtn{
background-color:rgba(120,153,173,0.7);
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
cursor: pointer;
}
```

```css
.submitbtn:hover{
background-color:transparent;
width: 100px;
border:1px black solid;
border-radius: 10px;
padding: 10px;
}

::placeholder{
color: black;
padding: 0 5px;
margin: 0 5px;
}
```

```html
</style>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="Servlet" method="post">
<div class="bg-img"> <img
src="https://c4.wallpaperflare.com/wallpaper/595/197/79/landscape-
deer-sun-pine-trees-wallpaper-preview.jpg" alt=""></div>
<div class="totalcontainer">
<div class="bodycontainer">
<div class="container1">
```
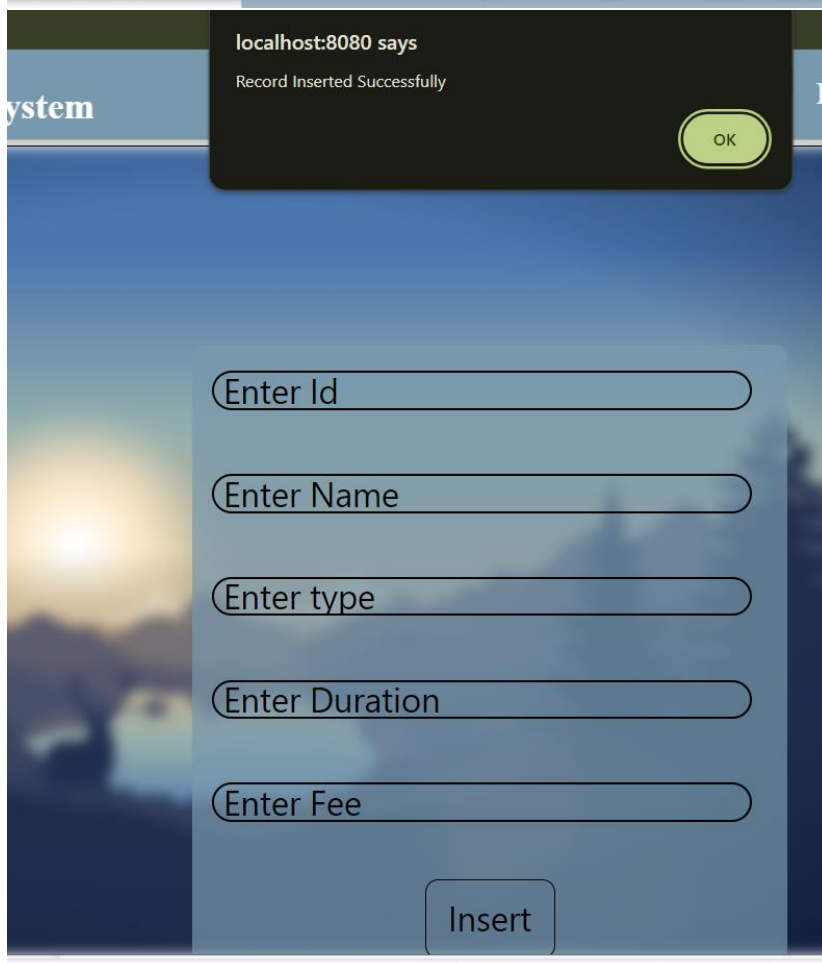
```jsp
<%

Ocms course=(Ocms)request.getAttribute("bean");


out.write("<br><br><br>");
out.write("<font size=5px color=black> <table align=center border=1> "
+"<th> Course ID </th>"
+"<th> Course name </th>"
+"<th> Course TYpe </th>"
+"<th> Course Duration</th>"
+"<th> Course Fee</th>"
+"</tr>"
```

```
+"<tr>"
+"<td>"+course.getCourseID()+"</td>"
+"<td>"+course.getCourseName()+"</td>"
+"<td>"+course.getCourseType()+"</td>"
+"<td>"+course.getCourseDuration()+"</td>"
+"<td>"+course.getCourseFee()+"</td>"
); %>
</div>
</div>
</div>
</form>
</body>
</html>
```
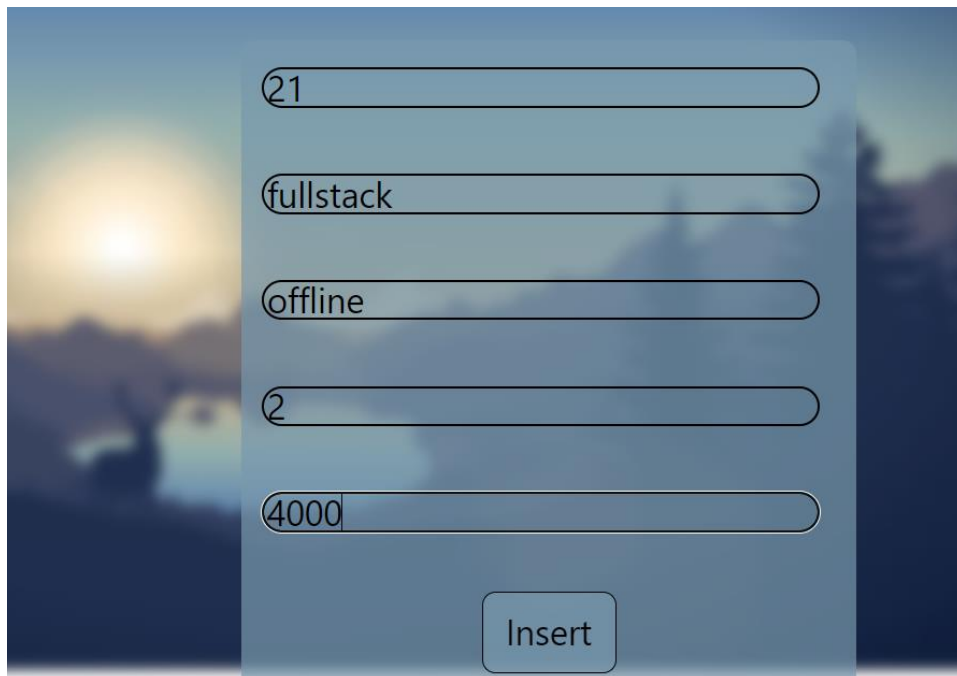
View Failure jsp:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@ include file="view.jsp" %>
<!DOCTYPE html>
<html>
<head>
<style>
body{
background-color: rgb(120,153,173);
margin-top: 20px;

}

</style>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<script>
alert("Record Finding Failed");
</script>
</body>
</html>
```

21

fullstack

offline

2

4000

Insert

---

ystem

Enter Id

Enter Name

Enter type

Enter Duration

Enter Fee

Insert

23

Delete

Ins

23

Delete

23

UI/UX

online

2

1000

Update

Insert

23

UI/UX

online

2

1000

Update

Welcome to Online Course Managem   Insert   Delete   Update   View

21

Find

find all

Course ID	Course name	Course TYpe	Course Duration	Course Fee
21	fullstack	offline	2	4000.0

Course ID	Course Name	Course Type	Course Duration	Course Fee
1	python	online	3	1000.0
21	fullstack	offline	2	4000.0