	Assignment No:5 Camlin Page
3	Title: JSP, sexulat and MYSOL (Backend)
	Objective
5	Objective Objective about basic concept of
	nm1, CSS
	Dunderistand the basic Jundernaties of
	Howard the Knowledge of son query to create the DB.
10	to create the DB.
1	Problem statement
(Design and billed student login mas
	Jesign and birld Employee login Page using JSP sorulet and MYSal
15 2	Design and biuld Employee login
	rage using ISP servetet and MYSQL
	out comes
	student will be all 1
20	D Develope a dummie
	JSP HTML and servet
	2) Write a souver side jave application
	from dient process it and store
	(ry sal)

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(3	called JSP to catch from data sent from dient and strone it on DB (Hysor)
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	dient and store it on DB (Mysol)
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<u> </u>	stwneeded
	Any OS 426 Commissioned
	JDK Scr later
	Editor Netbeams/Edipos
	aleb browser.
10	and the state of t
10	Thorony
	Therery Java server page (JSP): 9t is a server
	side programming techology that is used to create dynamic web based
in the state of	sue prograte dunamie web based
15	application Is All A including
	complete Java Apis. A including
ar or	
4	Jsp tags can be the
	purpose such as retruing info from
700	a DB cer registring leser pref
20	Java Beans component
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	purpose such as retriving anyones and spreamer according Tava Beams component passing control between pages and sharing info between requages etc.
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why we need JSP.
JSP used los the design of dumam:
useb pages and sourcelet is used to
code the logic that is present.
5
Architecture of JSP
- The remest bresonne part of a JSP do
defined in below wichelecture
- The dient initiate reg for JSP Jele
10 using browser,
- Now sorulet class is loaded by the
contain a and execute it
- Engine rends the response back to the
6 dient
di 15 11 Ht form sin get supportings.
sowlet 1
A sorretet is a rower side program
and written in Java sowet is a
web component that is developed on the
sorver fas creating the dynamic usb
pages.
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Technology 1 Tocl
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» Netbeans: is an IDE used for

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· · · · · ·	quickly and easily develope Java desktop
	mobile and web application as well as
	HTML application with HTML Javascript
	and as Also provide a huge set of
5	tools her PHP and clott developer
<u> </u>	MYSOL - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	MYSCEL is a freely available opensource Relational DB Hamagement system 9+
	Relational DB Hamagemen system IT
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Name: Ankita Bonde
Roll no: 19
TE A
Assignment 5
Design and Build Student Login Page using JSP, Servlet and
MySQL.
**********************
Login page (login.jsp)
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"</p>
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html;charset=ISO-
8859-1">
    <title>Insert title here</title>
</head>
<body>
Simple login Example using servlet jsp and mysql(mariadb)database
connectivity
<br/> Create a test database, student table and insert someuser
information in it.
<hr>>
<br>
<form action="LoginController" method="post">
    Enter username :<input type="text" name="username"> <br>Enter password
    :<input type="password"
name="password"><br>
```

<input type="submit" value="Login">

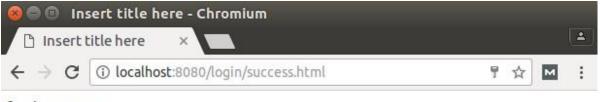
```
</form>
</body>
</html>
Login controller (LoginController.java)
package com.candid;
import
java.io.IOException;
import
java.sql.Connection;
import
java.sql.DriverManager;
import
java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import
javax.servlet.ServletException;
import
javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import
javax.servlet.http.HttpServletRequest;
import
javax.servlet.http.HttpServletResponse;
```

```
public class LoginController extends HttpServlet {
 protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
   String un =
   request.getParameter("username");
   String pw =
   request.getParameter("password");
// Connect to mysql(mariadb) and verify username password
   try {
     Class.forName("org.mariadb.jdbc.Driver");
// loads driver
     Connection c =
DriverManager.getConnection("jdbc:mariadb://localhost:3306/test", "root", "root");
// gets a new connection
     PreparedStatement ps = c.prepareStatement("select userName,pass from
student whereuserName=? and pass=?");
     ps.setString(1,
     un);
     ps.setString(2,
     pw);
     ResultSet rs = ps.executeQuery();
     while (rs.next()) {
       response.sendRedirect("success.ht
       ml"); return;
      }
     response.sendRedirect("error.ht
     ml");return;
```

```
} catch (ClassNotFoundException |
      SQLException e) { e.printStackTrace();
    }
  }
}
success page (success.html)
<!DOCTYPE html>
<html>
<head>
  <meta charset="ISO-8859-1">
  <title>Insert title here</title>
</head>
<body>
Login
success
</body>
</html
error page (error.html)
<!DOCTYPE html>
<html>
<head>
  <meta charset="ISO-8859-1">
  <title>Insert title here</title>
</head>
<body>
Invalid username or password, Please try again with valid
</body>
```

</html>





Login success

