**Project objective:**

Create a servlet-based web application that shows a login page and validates it. The correct values are hard-coded. On successful login, a dashboard page is shown. The dashboard will provide a link for logging out. Incorrect logins need to be handled by showing an error message page.

**Background of the problem statement:**

As a part of developing an e-commerce web application, you have to prototype a login scenario for the user. There is no database involved here, so you have to use fixed values for login email id and password.

To validate use EmailId [= ppraveen@gmail.com](mailto:=%20ppraveen@gmail.com)

Password= kumar01

**Code:**

Index.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert title here</title>

</head>

<body>

<div align=*"center"*>

<h2>Simplilearn</h2>

<form action=*"Login"* method =*"post"*><br>

Email Id <input type =*"text"* name=*"emailid"* ><br>

<br>

Password <input type =*"password"* name=*"pswrd"*><br>

<br>

<input type=*"submit"* value=*"login"*>

</form>

</div>

</body>

</html>

**Login.java**

package com;

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;

/\*\*

\* Servlet implementation class Login

\*/

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Login() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

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

// TODO Auto-generated method stub

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

String Password=request.getParameter("pswrd");

RequestDispatcher rd = null;

if(email.equals("ppraveen@gmail.com") && Password.equals("kumar01") ) {

rd=request.getRequestDispatcher("Sucess");

rd.forward(request, response);

}

else {

rd=request.getRequestDispatcher("index.html");

PrintWriter writer=response.getWriter();

rd.include(request, response);

writer.println(("<center> <span style = 'color:red'> Invalid Credentials </span> </center>"));

}

}

}

**Success.java**

package com;

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;

/\*\*

\* Servlet implementation class Sucess

\*/

public class Sucess extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Sucess() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

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

PrintWriter writer=response.getWriter();

writer.println("<h1> welcome to your Dashbaord </h1><br>");

writer.println("<h4>" + request.getParameter("emailid") + "</h4><br>" );

writer.println("<a href='logout'>Logout</a><br>");

}

}

Logout.java

package com;

import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

/\*\*

\* Servlet implementation class logout

\*/

public class logout extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public logout() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

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

// TODO Auto-generated method stub

PrintWriter writer=response.getWriter();

writer.println(("<center> <span style = 'color:blue'> Loged Out Sucessfully </span> </center>"));

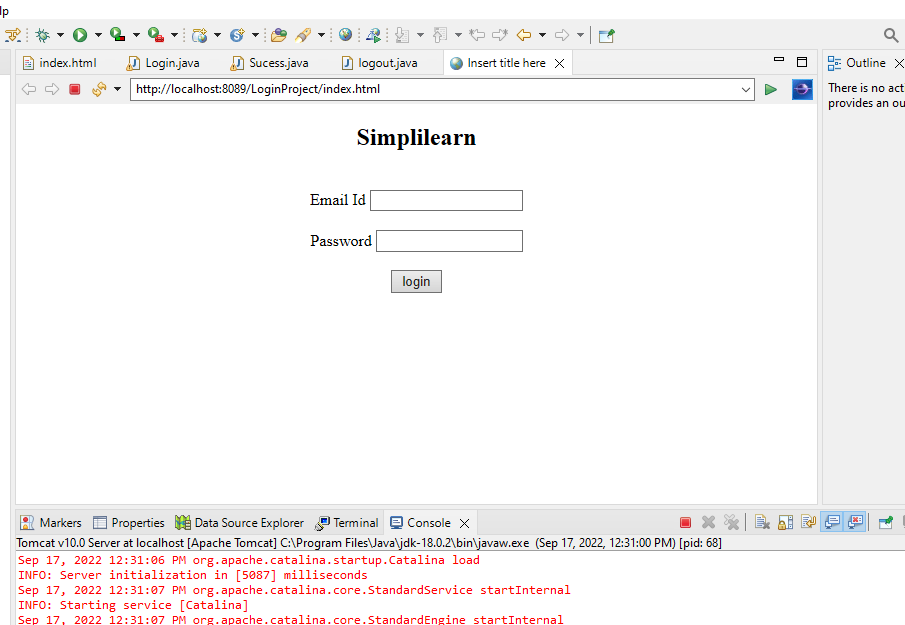
RequestDispatcher rd=request.getRequestDispatcher("index.html");

rd.include(request, response);

}

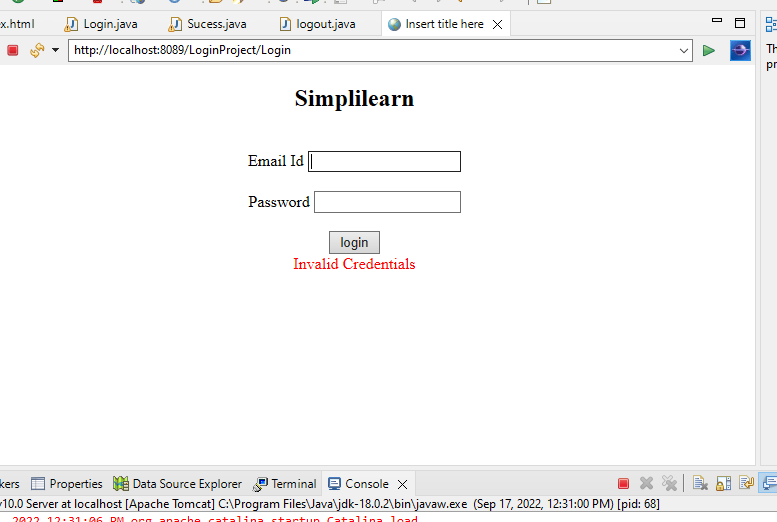
}

**login form in HTML**



**Handle invalid logins and show appropriate error messages using servlets**

When wrong credentials entered



To validate use EmailId [= ppraveen@gmail.com](mailto:=%20ppraveen@gmail.com)

Password= kumar01

Show the dashboard page using servlets

Handle logouts using servlets