|  |  |
| --- | --- |
| **Full Name** | Asmita Shinde |
| **Batch** | **MS FSD DEC 2021 Cohort** |
| **Project Title** | Learner’s Academy |
| **Project Submission Date** | 22/03/2022 |

|  |
| --- |
| **Source code:** |
| **Module :** |
| **//Class.java**  **package** com.to.models;  **public** **class** Class {  **private** **int** id;  **private** **int** section;  **private** String teacher;  **private** String subject;  **private** String time;    **public** Class(**int** id,**int** section,String teacher,String subject,String time) {  **super**();  **this**.id = id;  **this**.section = section;  **this**.teacher = teacher;  **this**.subject = subject;  **this**.time = time;  }  **public** **int** getId() {  **return** id;  }  **public** **void** setId(**int** id) {  **this**.id = id;  }  **public** **int** getSection() {  **return** section;  }  **public** **void** setSection(**int** section) {  **this**.section = section;  }  **public** String getTeacher() {  **return** teacher;  }  **public** **void** setTeacher(String teacher) {  **this**.teacher = teacher;  }  **public** String getSubject() {  **return** subject;  }  **public** **void** setSubject(String subject) {  **this**.subject = subject;  }  **public** String getTime() {  **return** time;  }  **public** **void** setTime(String time) {  **this**.time = time;  }      } |

|  |
| --- |
| **//Student.java**  **package** com.to.models;  **public** **class** Student {  **private** **int** id;  **private** String fname;  **private** String lname;  **private** **int** age;  **private** **int** sclass;      **public** Student(**int** id,String fname,String lname,**int** age,**int** sclass) {  **super**();  **this**.id=id;  **this**.fname=fname;  **this**.lname=lname;  **this**.age=age;  **this**.sclass=sclass;  }  **public** **int** getId() {  **return** id;  }  **public** **void** setId(**int** id) {  **this**.id = id;  }  **public** String getFname() {  **return** fname;  }  **public** **void** setFname(String fname) {  **this**.fname = fname;  }  **public** String getLname() {  **return** lname;  }  **public** **void** setLname(String lname) {  **this**.lname = lname;  }  **public** **int** getAge() {  **return** age;  }  **public** **void** setAge(**int** age) {  **this**.age = age;  }  **public** **int** getSclass() {  **return** sclass;  }  **public** **void** setSclass(**int** sclass) {  **this**.sclass = sclass;  }  @Override  **public** String toString() {  **return** "Student [id=" + id + ", fname=" + fname + ", lname=" + lname + ", age=" + age + ", sclass=" + sclass  + "]";  }        } |

|  |
| --- |
| // Subject.java  **package** com.to.models;  **public** **class** Subject {  **private** **int** id;  **private** String name;  **private** String shortcut;      **public** Subject(**int** id,String name,String shortcut) {  **super**();  **this**.id = id;  **this**.name = name;  **this**.shortcut = shortcut;  }  **public** **int** getId() {  **return** id;  }  **public** **void** setId(**int** id) {  **this**.id = id;  }  **public** String getName() {  **return** name;  }  **public** **void** setName(String name) {  **this**.name = name;  }  **public** String getShortcut() {  **return** shortcut;  }  **public** **void** setShortcut(String shortcut) {  **this**.shortcut = shortcut;  }  } |

|  |
| --- |
| // Teacher.java  **package** com.to.models;  **public** **class** Teacher {  **private** **int** id;  **private** String fname;  **private** String lname;  **private** **int** age;  **public** Teacher(**int** id,String fname,String lname,**int** age) {  **super**();  **this**.id=id;  **this**.fname=fname;  **this**.lname=lname;  **this**.age=age;    }  **public** **int** getId() {  **return** id;  }  **public** **void** setId(**int** id) {  **this**.id = id;  }  **public** String getFname() {  **return** fname;  }  **public** **void** setFname(String fname) {  **this**.fname = fname;  }  **public** String getLname() {  **return** lname;  }  **public** **void** setLname(String lname) {  **this**.lname = lname;  }  **public** **int** getAge() {  **return** age;  }  **public** **void** setAge(**int** age) {  **this**.age = age;  }      } |
| // AdminControllerServlet.java  package com.to.admin;  import java.io.IOException;  import java.util.List;  import javax.annotation.Resource;  import javax.servlet.RequestDispatcher;  import javax.servlet.ServletException;  import javax.servlet.annotation.WebServlet;  import javax.servlet.http.Cookie;  import javax.servlet.http.HttpServlet;  import javax.servlet.http.HttpServletRequest;  import javax.servlet.http.HttpServletResponse;  import javax.sql.DataSource;  import com.to.models.Student;  import com.to.models.Subject;  import com.to.models.Teacher;  import com.to.models.Class;  /\*\*  \* Servlet implementation class AdminControllerServlet  \*/  @WebServlet("/AdminControllerServlet")  public class AdminControllerServlet extends HttpServlet {  private static final long serialVersionUID = 1L;  private DbRetrieve dbRetrieve;  @Resource(name = "jdbc\_database")  private DataSource datasource;  @Override  public void init() throws ServletException {  super.init();  // create instance of db util, to pass in conn pool object  try {  dbRetrieve = new DbRetrieve(datasource);  } catch (Exception e) {  throw new ServletException(e);  }  }  /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public AdminControllerServlet() {  super();  // TODO Auto-generated constructor stub  }  @Override  protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {  doGet(req, resp);  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse  \* response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  // TODO Auto-generated method stub  try {  // read the "command" parameter  String command = request.getParameter("command");  if (command == null) {  command = "CLASSES";  }    // if no cookeies  if (!getCookies(request, response) && (!command.equals("LOGIN"))) {  response.sendRedirect("/Administrative-Portal/login.jsp");  }  else {  // if there is no command, how to handle  // route the data to the appropriate method  switch (command) {  case "STUDENTS":  studentsList(request, response);  break;  case "TEACHERS":  teachersList(request, response);  break;  case "SUBJECTS":  subjectList(request, response);  break;  case "CLASSES":  classestList(request, response);  break;  case "ST\_LIST":  classStudentsList(request, response);  break;  case "LOGIN":  login(request, response);  break;  default:  classestList(request, response);  }  }  } catch (Exception e) {  throw new ServletException(e);  }  // response.getWriter().append("Served at: ").append(request.getContextPath());  }  private void studentsList(HttpServletRequest request, HttpServletResponse response) throws Exception {  // get students from db util  List<Student> students = dbRetrieve.getStudents();  // add students to the request  request.setAttribute("STUDENT\_LIST", students);  // send it to the jsp view page  RequestDispatcher dispatcher = request.getRequestDispatcher("/list-students.jsp");  dispatcher.forward(request, response);  }  private void teachersList(HttpServletRequest request, HttpServletResponse response) throws Exception {  // get students from db util  List<Teacher> teachers = dbRetrieve.getTeachers();  // add students to the request  request.setAttribute("TEACHERS\_LIST", teachers);  // send it to the jSP view page  RequestDispatcher dispatcher = request.getRequestDispatcher("/teachers-list.jsp");  dispatcher.forward(request, response);  }  private void subjectList(HttpServletRequest request, HttpServletResponse response) throws Exception {  // get subjects from db util  List<Subject> subjects = dbRetrieve.getSubjects();  // add subjects to the request  request.setAttribute("SUBJECTS\_LIST", subjects);  // send it to the jSP view page  RequestDispatcher dispatcher = request.getRequestDispatcher("/subjects-list.jsp");  dispatcher.forward(request, response);  }  private void classestList(HttpServletRequest request, HttpServletResponse response) throws Exception {  // get subjects from db util  List<Class> classes = dbRetrieve.getClasses();  // add subjects to the request  request.setAttribute("CLASSES\_LIST", classes);  // send it to the jSP view page  RequestDispatcher dispatcher = request.getRequestDispatcher("/classes-list.jsp");  dispatcher.forward(request, response);  }  private void login(HttpServletRequest request, HttpServletResponse response) throws Exception {  String username = request.getParameter("username");  String password = request.getParameter("password");  if (username.toLowerCase().equals("user") && password.toLowerCase().equals("admin")) {  Cookie cookie = new Cookie(username, password);  // Setting the maximum age to 1 day  cookie.setMaxAge(86400); // 86400 seconds in a day  // Send the cookie to the client  response.addCookie(cookie);  classestList(request, response);  } else {  RequestDispatcher dispatcher = request.getRequestDispatcher("/login.jsp");  dispatcher.forward(request, response);  }  }  private void classStudentsList(HttpServletRequest request, HttpServletResponse response) throws Exception {  int classId = Integer.parseInt(request.getParameter("classId"));  String section = request.getParameter("section");  String subject = request.getParameter("subject");  // get subjects from db util  List<Student> students = dbRetrieve.loadClassStudents(classId);  // add subjects to the request  request.setAttribute("STUDENTS\_LIST", students);  request.setAttribute("SECTION", section);  request.setAttribute("SUBJECT", subject);  // send it to the jSP view page  RequestDispatcher dispatcher = request.getRequestDispatcher("/class-students.jsp");  dispatcher.forward(request, response);  }  private boolean getCookies(HttpServletRequest request, HttpServletResponse response) throws Exception {  boolean check = false;  Cookie[] cookies = request.getCookies();  // Find the cookie of interest in arrays of cookies  for (Cookie cookie : cookies) {    if (cookie.getName().equals("user") && cookie.getValue().equals("admin")) {  check = true;  break;  }  }      return check;  }  } | |

|  |
| --- |
| // DbRetrieve.java  package com.to.admin;  import java.sql.Connection;  import java.sql.ResultSet;  import java.sql.Statement;  import java.util.ArrayList;  import java.util.List;  import javax.sql.DataSource;  import com.to.models.Student;  import com.to.models.Subject;  import com.to.models.Teacher;  import com.to.models.Class;  public class DbRetrieve {  private DataSource dataSource;  public DbRetrieve(DataSource dataSource) {  this.dataSource = dataSource;  }  public List<Student> getStudents() {  List<Student> students = new ArrayList<>();  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM students";  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  String firstName = myRs.getString("fname");  String lastName = myRs.getString("lname");  int age = myRs.getInt("age");  int aclass = myRs.getInt("class");  // create new student object  Student tempStudent = new Student(id, firstName, lastName, age, aclass);  // add it to the list of students  students.add(tempStudent);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return students;  }  public List<Teacher> getTeachers() {  List<Teacher> teachers = new ArrayList<>();  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM teachers";  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  String firstName = myRs.getString("fname");  String lastName = myRs.getString("lname");  int age = myRs.getInt("age");  // create new student object  Teacher temp = new Teacher(id, firstName, lastName, age);  // add it to the list of students  teachers.add(temp);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return teachers;  }  public List<Subject> getSubjects() {  List<Subject> subjects = new ArrayList<>();  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM subjects";  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  String name = myRs.getString("name");  String shortcut = myRs.getString("shortcut");  // create new student object  Subject temp = new Subject(id, name,shortcut);  // add it to the list of students  subjects.add(temp);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return subjects;  }  public List<Class> getClasses() {  List<Class> classes = new ArrayList<>();  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM classes";  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  int section = myRs.getInt("section");  int subject = myRs.getInt("subject");  int teacher = myRs.getInt("teacher");  String time = myRs.getString("time");  Teacher tempTeacher = loadTeacher(teacher);  Subject tempSubject = loadSubject(subject);  String teacher\_name = tempTeacher.getFname() + " " + tempTeacher.getLname();  // create new student object  Class temp = new Class(id, section, teacher\_name, tempSubject.getName(), time);  // add it to the list of students  classes.add(temp);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return classes;  }  public Teacher loadTeacher(int teacherId) {  Teacher theTeacher = null;  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM teachers WHERE id = " + teacherId;  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  String fname = myRs.getString("fname");  String lname = myRs.getString("lname");  int age = myRs.getInt("age");  theTeacher = new Teacher(id, fname, lname, age);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return theTeacher;  }  public Subject loadSubject(int subjectId) {  Subject theSubject = null;  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM subjects WHERE id = " + subjectId;  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  String name = myRs.getString("name");  String shortcut = myRs.getString("shortcut");  theSubject = new Subject(id, name,shortcut);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return theSubject;  }  public Class loadClass(int classId) {  Class theClass = null;  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM clasess WHERE id = " + classId;  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  int section = myRs.getInt("section");  int subject = myRs.getInt("subject");  int teacher = myRs.getInt("teacher");  String time = myRs.getString("time");  Teacher tempTeacher = loadTeacher(teacher);  Subject tempSubject = loadSubject(subject);  String teacher\_name = tempTeacher.getFname() + " " + tempTeacher.getLname();  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return theClass;  }  public List<Student> loadClassStudents(int classId) {  List<Student> students = new ArrayList<>();  Connection myConn = null;  Statement myStmt = null;  ResultSet myRs = null;  try {  // get a connection  myConn = dataSource.getConnection();  // create sql stmt  String sql = "SELECT \* FROM students WHERE class = " + classId;  myStmt = myConn.createStatement();  // execute query  myRs = myStmt.executeQuery(sql);  // process result  while (myRs.next()) {  // retrieve data from result set row  int id = myRs.getInt("id");  String firstName = myRs.getString("fname");  String lastName = myRs.getString("lname");  int age = myRs.getInt("age");  int aclass = myRs.getInt("class");  // create new student object  Student tempStudent = new Student(id, firstName, lastName, age, aclass);  students.add(tempStudent);  }  } catch (Exception e) {  // TODO: handle exception  } finally {  // close JDBC objects  close(myConn, myStmt, myRs);  }  return students;  }  private void close(Connection myConn, Statement myStmt, ResultSet myRs) {  try {  if (myRs != null) {  myRs.close();  }  if (myStmt != null) {  myStmt.close();  }  if (myConn != null) {  myConn.close();  }  } catch (Exception e) {  e.printStackTrace();  }  }  } |

|  |
| --- |
| package com.to.admin;  import java.io.IOException;  import java.io.PrintWriter;  import java.sql.Connection;  import java.sql.ResultSet;  import java.sql.Statement;  import javax.annotation.Resource;  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.sql.DataSource;  /\*\*  \* Servlet implementation class TestServlet  \*/  @WebServlet("/TestServlet")  public class TestServlet extends HttpServlet {  private static final long serialVersionUID = 1L;  // Define datasource/connection pool for reference  @Resource(name = "jdbc\_database")  private DataSource dataSource;  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse  \* response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  // Set the printwriter  PrintWriter out = response.getWriter();  response.setContentType("text/plain");  // establish connection to the DB  Connection Conn = null;  Statement Stmt = null;  ResultSet rs = null;  try {  Conn = dataSource.getConnection();  // create a sql statement  String sql = "select \* from students";  Stmt = Conn.createStatement();  // execute the sql statement  rs = Stmt.executeQuery(sql);  // process the resultset  while (rs.next()) {  String fname = rs.getString("fname");  out.println(fname);  }  } catch (Exception e) {  e.printStackTrace();  }  }  } |

|  |
| --- |
| Jsp pages: |
| // classes-list.jsp  <%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"*%><!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>List of Classes</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>  </head>  <body>  <div id=*"page"*>  <jsp:include page=*"left-list.jsp"* />  <div id=*"wrapper"*>  <div id=*"header"*>  <h3>Classes</h3>  </div>  </div>  <div id=*"container"*>  <div id=*"content"*>  <table>  <tr>  <th>Section</th>  <th>Subject</th>  <th>Teacher</th>  <th>Time</th>  <th>List of Students</th>  </tr>  <c:forEach var=*"tempClass"* items=*"*${CLASSES\_LIST }*"*>  <tr>  <c:url var=*"tempLink"* value=*"AdminControllerServlet"*>  <c:param name=*"command"* value=*"ST\_LIST"* />  <c:param name=*"classId"* value=*"*${tempClass.id }*"* />  <c:param name=*"section"* value=*"*${tempClass.section }*"* />  <c:param name=*"subject"* value=*"*${tempClass.subject }*"* />  </c:url>  <td>${tempClass.section}</td>  <td>${tempClass.subject}</td>  <td>${tempClass.teacher}</td>  <td>${tempClass.time}</td>  <td><a href=*"*${tempLink }*"*>List</a></td>  </tr>  </c:forEach>  </table>  </div>  </div>  </div>  </body>  </html> |

|  |
| --- |
| //class-students.jsp  <%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Students of a Class</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>  </head>  <body>  <div id=*"page"* >  <jsp:include page=*"left-list.jsp"* />    <div id=*"wrapper"*>  <div id=*"header"*>  <h3>Students of ${SUBJECT} class section ${SECTION} </h3>  </div>  </div>  <div id=*"container"*>  <div id=*"content"*>  <table>  <tr>  <th>First Name</th>  <th>Last Name</th>  <th>age</th>  </tr>  <c:forEach var=*"tempStudent"* items=*"*${STUDENTS\_LIST}*"*>  <tr>  <td>${tempStudent.fname}</td>  <td>${tempStudent.lname}</td>  <td>${tempStudent.age}</td>  </tr>  </c:forEach>  </table>  </div>  </div>  </div>  </body>  </html> |

|  |
| --- |
| //left-list.jsp  <%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>  <div class=*"me"*>  <h3 id=*"logo"*>  Administrative <br /> Academy Portal  </h3>  <c:url var=*"classesLink"* value=*"AdminControllerServlet"*>  <c:param name=*"command"* value=*"CLASSES"* />  </c:url>  <c:url var=*"subjectsLink"* value=*"AdminControllerServlet"*>  <c:param name=*"command"* value=*"SUBJECTS"* />  </c:url>  <c:url var=*"teachersLink"* value=*"AdminControllerServlet"*>  <c:param name=*"command"* value=*"TEACHERS"* />  </c:url>  <c:url var=*"studentsLink"* value=*"AdminControllerServlet"*>  <c:param name=*"command"* value=*"STUDENTS"* />  </c:url>            <a class=*"bar-item"* href=*"*${classesLink}*"*>Classes</a>  <a class=*"bar-item"* href=*"*${subjectsLink}*"*>Subjects</a>  <a class=*"bar-item"* href=*"*${teachersLink}*"*>Teachers</a>  <a class=*"bar-item"* href=*"*${studentsLink}*"*>Students</a>  <a class=*"bar-item"* href=*"login.jsp"*>Log out</a>  </div> |

|  |
| --- |
| //list-students.jsp  <%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>List of Students</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>  </head>  <body>  <div id=*"page"* >  <jsp:include page=*"left-list.jsp"* />    <div id=*"wrapper"*>  <div id=*"header"*>  <h3>Students</h3>  </div>  </div>  <div id=*"container"*>  <div id=*"content"*>  <table>  <tr>  <th>First Name</th>  <th>Last Name</th>  <th>age</th>    </tr>  <c:forEach var=*"tempStudent"* items=*"*${STUDENT\_LIST }*"*>  <tr>  <td>${tempStudent.fname}</td>  <td>${tempStudent.lname}</td>  <td>${tempStudent.age}</td>  </tr>  </c:forEach>  </table>  </div>  </div>  </div>  </body>  </html> |

|  |
| --- |
| //login.jsp  <%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Login</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/login.css"*>  </head>  <body>  <form action=*"AdminControllerServlet"* method=*"POST"*>  <div class=*"container"*>  <h1>Admin Login</h1>  <input type=*"hidden"* name=*"command"* value=*"LOGIN"* /> <label>Username  : </label> <input type=*"text"* placeholder=*"Enter Username"*  name=*"username"* required> <br /> <label>Password :  </label> <br /> <input type=*"password"* placeholder=*"Enter Password"*  name=*"password"* required> <br />  <button type=*"submit"*>Login</button>  <br />  <div class=*"form-actions"*>  <div class=*"form-left"*>  <input type=*"checkbox"* checked=*"checked"*> Remember me  </div>  <div class=*"form-right"*>  <span class=*"psw"*>Forgot <a href=*"forgot-password.jsp"*>password?</a></span>  </div>  </div>  </div>  </form>  </body>  </html> |

|  |
| --- |
| //subjects-list.jsp  <%@ taglib prefix = *"c"* uri = *"http://java.sun.com/jsp/jstl/core"* %>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>List of Teachers</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>  </head>  <body style="background-image: *url('css/background.jpg')*;">  <div id=*"page"*>  <jsp:include page=*"left-list.jsp"* />  <div id=*"wrapper"*>  <div id=*"header"*>  <h3>Subjects</h3>  </div>  </div>  <div id=*"container"*>  <div id=*"content"*>  <table>  <tr>  <th>Name</th>  <th>Shortcut</th>    </tr>  <c:forEach var=*"tempSubject"* items=*"*${SUBJECTS\_LIST }*"*>  <tr>  <td>${tempSubject.name}</td>  <td>${tempSubject.shortcut}</td>    </tr>  </c:forEach>  </table>  </div>  </div>  </div>  </body>  </html> |

|  |
| --- |
| Teachers-list.jsp  <%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>List of Teachers</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/style.css"*>  </head>  <body style="background-image: *url('css/background.jpg')*;">  <div id=*"page"*>  <jsp:include page=*"left-list.jsp"* />  <div id=*"wrapper"*>  <div id=*"header"*>  <h3>Teachers</h3>  </div>  </div>  <div id=*"container"*>  <div id=*"content"*>  <table>  <tr>  <th>First Name</th>  <th>Last Name</th>  <th>age</th>  </tr>  <c:forEach var=*"tempStudent"* items=*"*${TEACHERS\_LIST }*"*>  <tr>  <td>${tempStudent.fname}</td>  <td>${tempStudent.lname}</td>  <td>${tempStudent.age}</td>  </tr>  </c:forEach>  </table>  </div>  </div>  </div>  </body>  </html> |

|  |
| --- |
| // forgot-password.jsp  <%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Login</title>  <link type=*"text/css"* rel=*"stylesheet"* href=*"css/login.css"*>  </head>  <body>    <form action=*"AdminControllerServlet"* method=*"POST"*>  <div class=*"container"*>  <h1>Admin</h1>  <input type=*"hidden"* name=*"command"* value=*"LOGIN"* /> <label>Username  : </label> <br /> <input type=*"text"* placeholder=*"Enter Username"*  name=*"username"* required> <br /> <label> New Password :  </label> <br /> <input type=*"password"* placeholder=*"Enter Password"*  name=*"password"* required> <br />  <button type=*"submit"*>Update Password</button>  <br />    </div>  </div>  </div>  </form>  </body>  </html> |

|  |
| --- |
| CSS : |
| **// add-student-style.css**  **form** {  margin-top: *10px*;  }  **label** {  font-size: *16px*;  width: *100px*;  display: *block*;  text-align: *right*;  margin-right: *10px*;  margin-top: *8px*;  margin-bottom: *8px*;  }  **input** {  width: *250px*;  border: *1px* *solid* *#666*;  border-radius: *5px*;  padding: *4px*;  font-size: *16px*;  }  *.save* {  font-weight: *bold*;  width: *130px*;  padding: *5px* *10px*;  margin-top: *30px*;  background: *#cccccc*;  }  **table** {  border-style:*none*;  width:*50%*;  }  **tr***:nth-child*(*even*) {background: *#FFFFFF*}  **tr***:nth-child*(*odd*) {background: *#FFFFFF*}  **tr** {  border-style:*none*;  text-align:*left*;  } |

|  |
| --- |
| **// login.css**  **body** {  font-family: *Calibri,* *Helvetica,* *sans-serif*;  background-color: *#e2e2e2*;  }  **button** {  justify-content: *center*;  background-color: *#008040*;  width: *100%*;  color: *white*;  padding: *15px*;  margin: *10px* *0px*;  border: *none*;  cursor: *pointer*;  }  **form** {  border: *1px* *solid* *#ccc*;  width: *45%*;  margin: *0* *auto*;  }  **input**[type=text]**,** **input**[type=password] {  justify-content: *center*;  width: *100%*;  margin: *8px* *0*;  padding: *12px* *20px*;  display: *inline-block*;  border: *1px* *solid* *#ccc*;  box-sizing: *border-box*;  }  **button***:hover* {  opacity: *0.7*;  }  *.container* {  justify-content: *center*;  padding: *15px*;  background-color: *#fff*;  }  **h1**{  text-align: *center*;  }  *.form-actions* {  overflow: *auto*;  }  *.form-actions* *.form-left***,** *.form-actions* *.form-right*{  float: *left*;  height: *40px*;  width: *50%*  }  **span***.psw* {  float: *right*;  padding-top: *1px*;  } |

|  |
| --- |
| **//style.css**  **html,** **body**{    padding:*0px*;  font-family:*Verdana,* *Arial,* *Helvetica,* *sans-serif*;  margin-left: *103px*; /\* Same as the width of the sidenav \*/  }  **table** {  border-collapse:*collapse*;  border:*1px* *solid* *gray*;  font-family: *Tahoma,Verdana,Segoe,sans-serif*;  width:*72%*;    }    **th** {  border-bottom:*1px* *solid* *gray*;  background:*none* *repeat* *scroll* *0* *0* *#008040*;  padding:*10px*;  color: *#FFFFFF*;  }  **tr** {  border-top:*1px* *solid* *gray*;  text-align:*center*;  }    **tr***:nth-child*(*even*) {background: *#FFFFFF*}  **tr***:nth-child*(*odd*) {background: *#BBBBBB*}    *#wrapper* {width: *100%*; text-align: *center*; }  *#header* {width: *72%*; background:*#008040*; margin-top: *0px*; padding:*5px* *0px* *15px* *0px*;}  *#header* **h3** {width: *100%*; margin:*auto*; color: *#FFFFFF*;}  *#container* {width: *100%*; margin:*auto*}  *#container* **h3** {color: *#000*;}  *#container* *#content* {margin-top: *20px*;}  *.add-student-button* {  border: *1px* *solid* *#666*;  border-radius: *5px*;  padding: *4px*;  font-size: *12px*;  font-weight: *bold*;  width: *120px*;  padding: *5px* *10px*;    margin-bottom: *15px*;  background: *#cccccc*;  }  *.me* {  height: *100%*;  width: *200px*;  border-color: *#FFFFFF*;  position: *fixed*;  z-index: *1*;  top: *0*;  left: *0*;  background-color:*#008040*;  overflow-x: *hidden*;  padding-top: *20px*;  }  *.me* **a** {  padding: *6px* *6px* *6px* *32px*;  text-decoration: *none*;  font-size: *25px*;  color: *white*;  display: *block*;  }  *.me* **a***:hover* {  color:*#000*;  }  @media screen and (max-height: 450px) {  *.sidenav* {padding-top: *15px*;}  *.sidenav* **a** {font-size: *18px*;}  }  *#page*{    height: *100%*;      }  *#logo*{  font-family: *'Trebuchet MS',* *sans-serif*;  text-align: *center*;  color: *white*;    }  *.bar-item*{      border-color: *#FFFFFF*;  border-width: *3px*;  border-bottom: *.5px* *solid* *rgba(255,* *255,* *255,* *0.247)*;    } |

|  |
| --- |
| context.xml |
| <?xml version=*"1.0"* encoding=*"UTF-8"*?>  <Context>  <Resource name=*"jdbc\_database"* auth=*"Container"*  type=*"javax.sql.DataSource"* username=*"postgres"* password=*"admin"*  driverClassName=*"org.postgresql.Driver"*  url=*"jdbc:postgresql://localhost:5432/administrative-portal"*  maxTotal=*"10"* maxIdle=*"4"* />  </Context> |