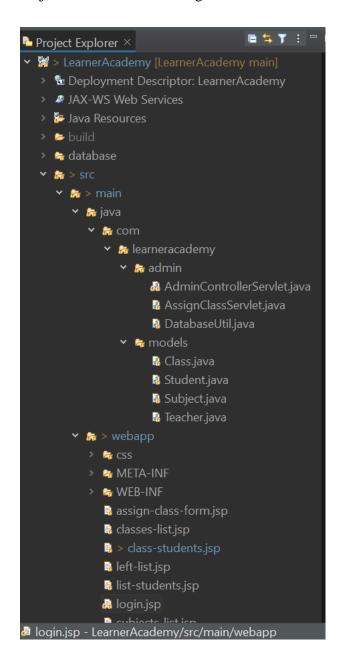


• Project Structure and Packages



Database Setup

```
use learnersacademy;
CREATE TABLE `classes` (
(1, 1, 1, 1, 19:00),
```

```
CREATE TABLE `subjects` (
CREATE TABLE `teachers` (
INSERT INTO `teachers` (`id`, `fname`, `lname`, `age`) VALUES
ALTER TABLE `classes`
ADD PRIMARY KEY (`id`),
ADD KEY `subject id` (`subject`),
ADD KEY `teacher_id` (`teacher`);
ALTER TABLE `students`
```

```
ADD PRIMARY KEY (`id`),
ADD KEY `class id` (`class`);
ALTER TABLE `subjects`
ADD PRIMARY KEY (`id`);
ALTER TABLE `teachers`
ADD PRIMARY KEY (`id`);
ALTER TABLE `classes`
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;
ALTER TABLE `students`
MODIFY `id` int(11) NOT NULL AUTO INCREMENT, AUTO INCREMENT=8;
ALTER TABLE `subjects`
MODIFY `id` int(11) NOT NULL AUTO INCREMENT, AUTO INCREMENT=3;
ALTER TABLE `teachers`
MODIFY `id` int(11) NOT NULL AUTO INCREMENT, AUTO INCREMENT=3;
ALTER TABLE `classes`
ADD CONSTRAINT `subject id` FOREIGN KEY (`subject`) REFERENCES `subjects`
ADD CONSTRAINT `teacher id` FOREIGN KEY (`teacher`) REFERENCES `teachers`
```

Database Util. java

```
package com.learneracademy.admin;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.List;
import javax.sql.DataSource;
import com.learneracademy.models.Student;
import com.learneracademy.models.Subject;
import com.learneracademy.models.Teacher;
import com.learneracademy.models.Class;
public class DatabaseUtil {
       private DataSource dataSource;
       public DatabaseUtil(DataSource dataSource) {
               this.dataSource = dataSource;
       public List<Student> getStudents() {
               List<Student> students = new ArrayList<>();
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from students";
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
                               int id = res.getInt("id");
                               String firstName = res.getString("fname");
                               String lastName = res.getString("lname");
                               int age = res.getInt("age");
                               int aclass = res.getInt("class");
                               Student student = new
Student(id,firstName,lastName,age,aclass);
                               students.add(student);
                       }
                } catch(Exception e) {
                       e.printStackTrace();
                } finally {
                       close(con, stmt, res);
```

```
return students;
        }
       public List<Teacher> getTeachers() {
               List<Teacher> teachers = new ArrayList<>();
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from teachers";
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
                               int id = res.getInt("id");
                               String firstName = res.getString("fname");
                               String lastName = res.getString("lname");
                               int age = res.getInt("age");
                               Teacher teacher = new
Teacher(id, firstName, lastName, age);
                               teachers.add(teacher);
                } catch(Exception e) {
                       e.printStackTrace();
                } finally {
                       close(con, stmt, res);
               return teachers;
       public List<Subject> getSubjects() {
               List<Subject> subjects = new ArrayList<>();
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from subjects";
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
                               int id = res.getInt("id");
                               String name = res.getString("name");
                               String shortcut = res.getString("shortcut");
                               Subject subject = new
Subject(id, name, shortcut);
```

```
subjects.add(subject);
                } catch(Exception e) {
                       e.printStackTrace();
                } finally {
                       close(con, stmt, res);
               return subjects;
       public Subject loadSubject(int subjectId) {
               Subject the Subject = null;
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from subjects where id = "+
subjectId;
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
                               int id = res.getInt("id");
                               String name = res.getString("name");
                               String shortcut = res.getString("shortcut");
                               theSubject = new Subject(id, name, shortcut);
               catch(Exception e) {
                       e.printStackTrace();
               finally {
                       close(con, stmt, res);
               return theSubject;
        }
       public List<Class> getClasses() {
               List<Class> classes = new ArrayList<>();
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from classes";
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
```

```
int id = res.getInt("id");
                               int section = res.getInt("section");
                               int subject = res.getInt("subject");
                               int teacher = res.getInt("teacher");
                               String time = res.getString("time");
                               Teacher tempTeacher = loadTeacher(teacher);
                               Subject tempSubject = loadSubject(subject);
                               String teacher name =
tempTeacher.getFname()+" "+tempTeacher.getLname();
                               Class tempClass = new
Class(id, section, teacher name, tempSubject.getName(), time);
                               classes.add(tempClass);
                       }
                } catch(Exception e) {
                       e.printStackTrace();
                } finally {
                       close(con, stmt, res);
               return classes;
       public Teacher loadTeacher(int teacherId) {
               Teacher theTeacher = null;
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from teachers where id = "+
teacherId ;
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
                               int id = res.getInt("id");
                               String fname = res.getString("fname");
                               String lname = res.getString("lname");
                               int age = res.getInt("age");
                               theTeacher = new
Teacher(id, fname, lname, age);
                       }
               catch(Exception e) {
                       e.printStackTrace();
                } finally {
                       close(con, stmt, res);
```

```
return theTeacher;
        }
       public List<Student> loadClassStudents(int classId) {
               List<Student> students = new ArrayList<>();
               Connection con = null;
               Statement stmt = null;
               ResultSet res = null;
               try {
                       con = dataSource.getConnection();
                       String sql = "select *from students where class =
"+classId;
                       stmt = con.createStatement();
                       res = stmt.executeQuery(sql);
                       while(res.next()) {
                               int id = res.getInt("id");
                               String firstName = res.getString("fname");
                               String lastName = res.getString("lname");
                               int age = res.getInt("age");
                               int aclass = res.getInt("class");
                               Student student = new
Student(id, firstName, lastName, age, aclass);
                               students.add(student);
                } catch(Exception e) {
                       e.printStackTrace();
                } finally {
                       close(con, stmt, res);
               return students;
        }
       public void assignNewClass(int section,int teacher,int
subject,String time) {
               Connection con = null;
               PreparedStatement stmt = null;
               try {
                       con = this.dataSource.getConnection();
                       String sql = "insert into classes
(section, teacher, subject, time) values (?,?,?,?)";
                       stmt = con.prepareStatement(sql);
                       stmt.setInt(1, section);
                       stmt.setInt(2, teacher);
                       stmt.setInt(3, subject);
                       stmt.setString(4, time);
                       stmt.execute();
```

```
catch(SQLException e) {
               e.printStackTrace();
               finally {
                     close(con, stmt, null);
       }
       private void close(Connection con, Statement stmt, ResultSet res) {
              try {
                      if(res != null) {
                             res.close();
                      if(stmt != null) {
                             stmt.close();
                      if(con != null) {
                            con.close();
               catch(Exception e) {
                      e.printStackTrace();
       }
}
```

AdminControllerServlet.java

```
package com.learneracademy.admin;
import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
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.learneracademy.models.Student;
import com.learneracademy.models.Subject;
import com.learneracademy.models.Teacher;
import com.learneracademy.models.Class;
@WebServlet("/AdminControllerServlet")
public class AdminControllerServlet extends HttpServlet {
       private static final long serialVersionUID = 1L;
       private DatabaseUtil dbUtil;
       @Resource(name = "jdbc database")
       private DataSource dataSource;
       public void init() throws ServletException {
               super.init();
               try {
                       dbUtil = new DatabaseUtil(dataSource);
               } catch (Exception e) {
                       e.printStackTrace();
               }
       public AdminControllerServlet() {
               super();
       protected void doGet(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               try {
                       String command = request.getParameter("command");
                       if (command == null) {
                              command = "CLASSES";
```

```
if (!getCookies(request, response) &&
(!command.equals("LOGIN"))) {
                               response.sendRedirect("/login.jsp");
                       } else {
                               switch (command) {
                               case "STUDENTS":
                                       studentsList(request, response);
                                       break;
                               case "TEACHERS":
                                       teachersList(request, response);
                                       break:
                               case "SUBJECTS":
                                       subjectsList(request, response);
                                       break;
                               case "CLASSES":
                                       classesList(request, response);
                                       break:
                               case "ST LIST":
                                       classStudentsList(request, response);
                                       break:
                               case "LOGIN":
                                       login(request, response);
                                       break;
                               default:
                                       classesList(request, response);
                               }
                       }
                } catch (Exception e) {
                      throw new ServletException(e);
        }
       private void studentsList(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               List<Student> students = dbUtil.getStudents();
               request.setAttribute("STUDENT LIST", students);
               RequestDispatcher dispatcher =
request.getRequestDispatcher("/list-students.jsp");
               dispatcher.forward(request, response);
       private void teachersList(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               List<Teacher> teachers = dbUtil.getTeachers();
               request.setAttribute("TEACHER LIST", teachers);
               RequestDispatcher dispatcher =
request.getRequestDispatcher("/teachers-list.jsp");
               dispatcher.forward(request, response);
```

```
}
       private void subjectsList(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               List<Subject> subjects = dbUtil.getSubjects();
               request.setAttribute("SUBJECTS LIST", subjects);
               RequestDispatcher dispatcher =
request.getRequestDispatcher("/subjects-list.jsp");
               dispatcher.forward(request, response);
       private void classesList(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               List<Class> classes = dbUtil.getClasses();
               request.setAttribute("CLASSES LIST", classes);
               RequestDispatcher dispatcher =
request.getRequestDispatcher("/classes-list.jsp");
               dispatcher.forward(request, response);
        }
       private void classStudentsList(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               int classId =
Integer.parseInt(request.getParameter("classId"));
               String section = request.getParameter("section");
               String subject = request.getParameter("subject");
               List<Student> students = dbUtil.loadClassStudents(classId);
               request.setAttribute("STUDENTS LIST", students);
               request.setAttribute("SECTION", section);
               request.setAttribute("SUBJECT", subject);
               RequestDispatcher dispatcher =
request.getRequestDispatcher("/class-students.jsp");
               dispatcher.forward(request, response);
       private void login(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
               String username = request.getParameter("username");
               String password = request.getParameter("password");
               if (username.toLowerCase().equals("admin") &&
password.toLowerCase().equals("admin")) {
                       Cookie cookie = new Cookie (username, password);
                       cookie.setMaxAge(86400);
                       response.addCookie(cookie);
                       classesList(request, response);
```

```
} else {
                       RequestDispatcher dispatcher =
request.getRequestDispatcher("/login.jsp");
                       dispatcher.forward(request, response);
       private boolean getCookies(HttpServletRequest request,
HttpServletResponse response) {
               boolean check = false;
               Cookie[] cookies = request.getCookies();
               for (Cookie cookie : cookies) {
                       if (cookie.getName().equals("admin") &&
cookie.getValue().equals("admin")) {
                               check = true;
                              break;
               return check;
        }
       protected void doPost(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               doGet(request, response);
```

AssignClassServlet.java

```
package com.learneracademy.admin;
import java.io.IOException;
import javax.annotation.Resource;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletConfig;
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;
@WebServlet("/AssignClassServlet")
public class AssignClassServlet extends HttpServlet {
       private static final long serialVersionUID = 1L;
       private DatabaseUtil dbUtil;
       @Resource(name = "jdbc database")
       private DataSource dataSource;
       public AssignClassServlet() {
               super();
       public void init(ServletConfig config) throws ServletException {
               super.init();
               try {
                       dbUtil = new DatabaseUtil(dataSource);
               } catch (Exception e) {
                      e.printStackTrace();
        }
       protected void doGet(HttpServletRequest request,
HttpServletResponse response)
                       throws ServletException, IOException {
               String sectionId = request.getParameter("sectionId");
               String subjectId = request.getParameter("subjectId");
               String teacherId = request.getParameter("teacherId");
               int section = Integer.parseInt(sectionId);
               int subject = Integer.parseInt(subjectId);
               int teacher = Integer.parseInt(teacherId);
               String time = request.getParameter("time");
               dbUtil.assignNewClass(section, teacher, subject, time);
               request.setAttribute("CLASSES LIST", dbUtil.getClasses());
               RequestDispatcher dispatcher =
request.getRequestDispatcher("/classes-list.jsp");
               dispatcher.forward(request, response);
```

META-INF > *context.xml*

login.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
       pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/login.css">
ink
       href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/css/bootstrap.min.css"
       rel="stylesheet"
       integrity="sha384-
GLhlTQ8iRABdZLl6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD"
       crossorigin="anonymous">
<script
       src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/js/bootstrap.bundle.min.js"
       integrity="sha384-
w76AqPfDkMBDXo30jS1Sqez6pr3x5MlQ1ZAGC+nuZB+EYdqRZqiwxhTBTkF7CXvN"
       crossorigin="anonymous"></script>
<script
       src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/po
pper.min.js"
       integrity="sha384-
oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlmh/jp3"
       crossorigin="anonymous"></script>
<script
       src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/js/bootstrap.min.js"
       integrity="sha384-
mQ93GR66B00ZXjt0Y05KlohRA5SY2XofN4zfuZxLkoj1gXtW8ANNCe9d5Y3eG5eD"
       crossorigin="anonymous"></script>
<title>LoginPage | LearnerAcademy</title>
</head>
<body class="text-center">
       <main class="form-signin w-100 m-auto">
               LearnerAcademy
               <form action=AdminControllerServlet method=POST>
                       <h1 class="h4 mb-3 fw-normal">Please sign in</h1>
                       <input type="hidden" name="command" value="LOGIN">
                       <div class="form-floating">
                              <input type="text" name="username"</pre>
class="form-control"
                                      id="floatingInput" placeholder="Enter
Username" required> <label</pre>
                                      for="floatingInput">Username</label>
                       <div class="form-floating">
```

list-students.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
      pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/style.css">
<title>Students of Class | LearnerAcademy</title>
</head>
<body>
      <div id="page">
             <jsp:include page="left-list.jsp" />
             <div id="wrapper">
                    <div id="header">
                           <h3>List of Students</h3>
                    </div>
             </div>
             <div id="container">
                    First Name
                                  LastName
                                  Age
                           <c:forEach var="tempStudent"
items="${STUDENT LIST}">
                                  ${tempStudent.fname}
                                         ${tempStudent.lname}
                                         ${tempStudent.age}
                                  </c:forEach>
                    </div>
      </div>
</body>
</html>
```

subjects-list.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
       pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/style.css">
<title>Students of Class | LearnerAcademy</title>
</head>
<body>
       <div id="page">
              <jsp:include page="left-list.jsp" />
              <div id="wrapper">
                     <div id="header">
                            <h3>Subjects</h3>
                     </div>
              </div>
              <div id="container">
                     Subject
                                   Subject Code
                            <c:forEach var="tempSubjects"
items="${SUBJECTS LIST}">
                                   ${tempSubjects.name}
       ${tempSubjects.shortcut}
                                   </c:forEach>
                     </div>
       </div>
</body>
</html>
```

teachers-list.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
      pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/style.css">
<title>Students of Class | LearnerAcademy</title>
</head>
<body>
      <div id="page">
             <jsp:include page="left-list.jsp" />
             <div id="wrapper">
                    <div id="header">
                           <h3>List of Teachers</h3>
                     </div>
             </div>
             <div id="container">
                    FirstName
                                  LastName
                                  Age
                           <c:forEach var="tempTeachers"
items="${TEACHER LIST}">
                                  $ {tempTeachers.fname} 
      $ {tempTeachers.lname} 
                                         ${tempTeachers.age}
                                   </c:forEach>
                    </div>
      </div>
</body>
</html>
```

classes-list.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
      pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/style.css">
<title>Students of Class | LearnerAcademy</title>
</head>
<body>
      <div id="page">
             <jsp:include page="left-list.jsp" />
             <div id="wrapper">
                    <div id="header">
                           <h3>List of Teachers</h3>
                     </div>
             </div>
             <div id="container">
                    FirstName
                                  LastName
                                  Age
                           <c:forEach var="tempTeachers"
items="${TEACHER LIST}">
                                  $ {tempTeachers.fname} 
      $ {tempTeachers.lname} 
                                         ${tempTeachers.age}
                                   </c:forEach>
                    </div>
      </div>
</body>
</html>
```

class-students.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
      pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/style.css">
<title>Students of Class | LearnerAcademy</title>
</head>
<body>
      <div id="page">
             <jsp:include page="left-list.jsp" />
             <div id="wrapper">
                    <div id="header">
                           <h3>Students of ${SUBJECT} class section
${SECTION}</h3>
                    </div>
             </div>
             <div id="container">
                    FirstName
                                  LastName
                                  Age
                           <c:forEach var="tempStudent"
items="${STUDENTS LIST}">
                                  ${tempStudent.fname}
                                         ${tempStudent.lname}
                                         ${tempStudent.age}
                                   </c:forEach>
                    </div>
      </div>
</body>
</html>
```

left-list.jsp

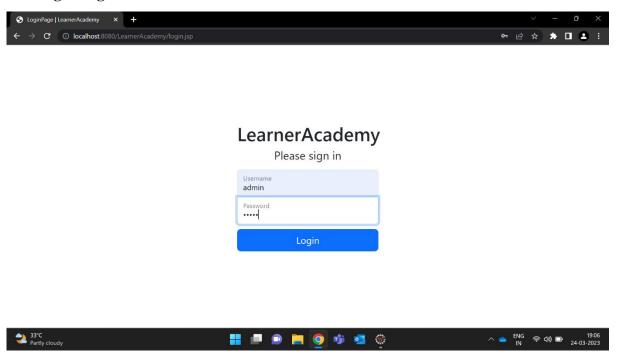
```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
       pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<div class=sidenav>
       <h3 id="logo">LearnerAcademy Administrative Portal</h3>
       <c:url var="classesLink" value="AdminControllerServlet">
               <c:param name="command" value="CLASSES"></c:param>
       </c:url>
        <c:url var="subjectsLink" value="AdminControllerServlet">
               <c:param name="command" value="SUBJECTS"></c:param>
       </c:url>
       <c:url var="teachersLink" value="AdminControllerServlet">
               <c:param name="command" value="TEACHERS"></c:param>
       </c:url>
       <c:url var="studentsLink" value="AdminControllerServlet">
               <c:param name="command" value="STUDENTS"></c:param>
       </c:url>
       <c:url var="assignLink" value="AdminControllerServlet">
               <c:param name="command" value="ASSIGN"></c:param>
       </c:url>
       <a class="bar-item" href="${classesLink}">Classes</a> <a</pre>
               class="bar-item" href="${subjectsLink}">Subjects</a> <a</pre>
               class="bar-item" href="${teachersLink}">Teachers</a> <a</pre>
               class="bar-item" href="${studentsLink}">Students</a> <a</pre>
               class="bar-item" href="assign-class-form.jsp">Assign
Class</a> <a
               class="bar-item" href="login.jsp">Logout</a>
</div>
```

assign-classes-form.jsp

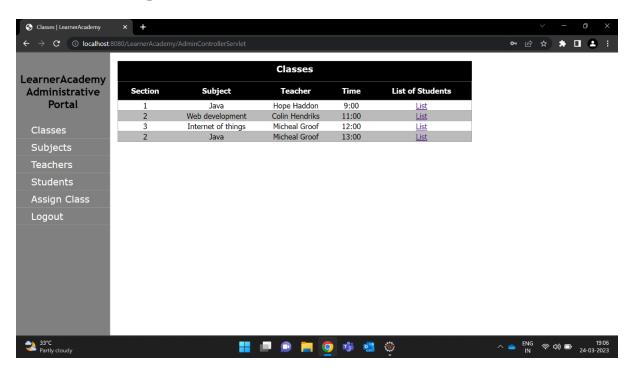
```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"</pre>
       pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link type="text/css" rel="stylesheet" href="css/style.css">
<link type="text/css" rel="stylesheet" href="css/login.css">
<title>Assign Class | LearnerAcademy</title>
</head>
<body>
       <div>
               <jsp:include page="left-list.jsp" />
               <div id="page">
                       <h2 id="logo">LearnerAcademy</h2>
               </div>
               <div id="maindiv">
                       <div>
                               <h4 id="logo">Assign Class</h4>
                       </div>
                       <form action="AssignClassServlet" method="POST">
                               <div class="container">
                                       <label>SectionId: </label> <br />
<input type="text"</pre>
                                               placeholder="Enter SectionId"
name="sectionId" required> <br />
                                       <label>TeacherId :</label> <br />
<input type="text"</pre>
                                               placeholder="Enter TeacherId"
name="teacherId" required> <br />
                                       <label>SubjectId :</label> <br />
<input type="text"</pre>
                                               placeholder="Enter SubjectId"
name="subjectId" required> <br />
                                       <label>Time :</label> <br /> <input</pre>
type="text"
                                               placeholder="Enter Time"
name="time" required> <br>
                                       <button type="submit">Assign
                                       <br />
                               </div>
                       </form>
               </div>
               <br>
               <br> <a href="classes-list.jsp">Back to list</a>
        </div>
</body>
</html>
```

Output Screenshots

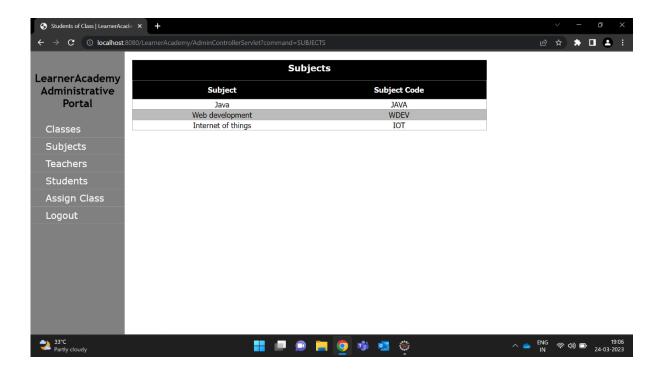
1. Login Page



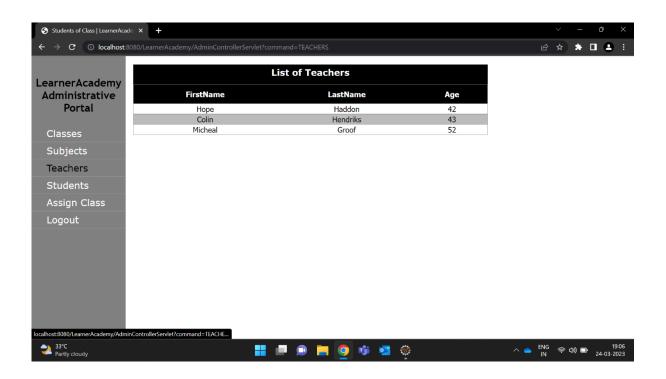
2. Classes List Report



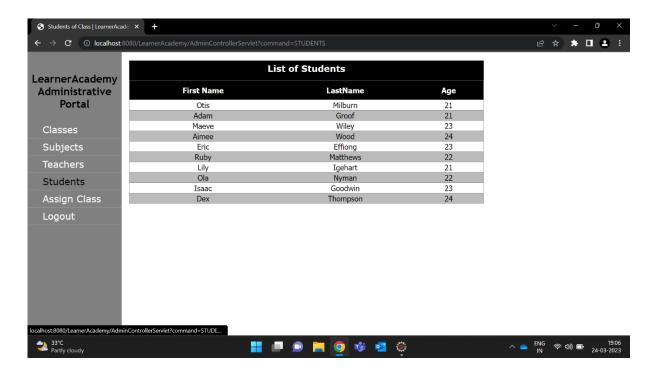
3. Subjects



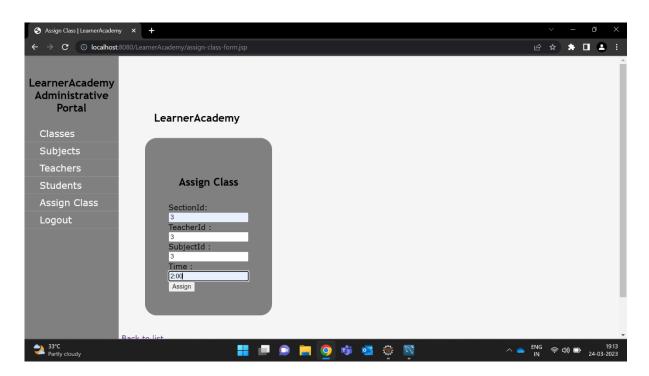
4. Teachers



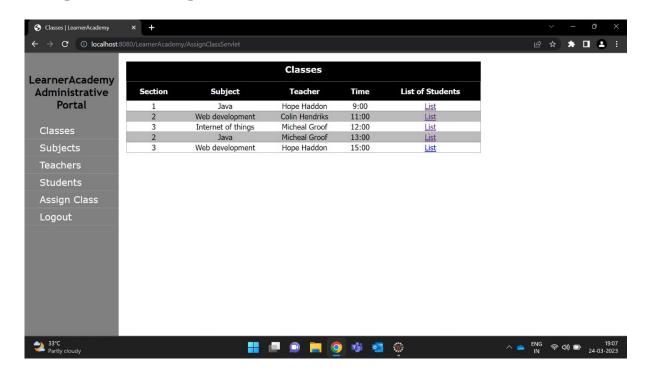
5. Students



6. Assign Class Form



7. Updated Classes Report



8. Students of Specific class report

