

# Learner's Academy Portal Source Code (java)

## DAO:

### **ClassDao.java:**

```
package com.dao;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.cfg.Configuration;

import com.dto.Classes;

public class ClassDao {

    public void register(String classes, String section, String teacher, String
subject, String time, String day) {
        Transaction tx = null;
        try {
            Configuration cfg = new Configuration().configure();
            cfg.addAnnotatedClass(com.dto.Classes.class);
            StandardServiceRegistryBuilder builder = new
StandardServiceRegistryBuilder().applySettings(cfg.getProperties());
            SessionFactory factory = cfg.buildSessionFactory(builder.build());
            Session session = factory.openSession();
            tx = session.beginTransaction();
            Classes cl = new Classes(classes,section,teacher,subject,time,day);
            session.save(cl);
            tx.commit();
            session.close();

        } catch (Exception e) {
            e.printStackTrace();
            if(tx!=null) {
                tx.rollback();
            }
        }
    }
}
```

## StudentsDao.java:

```
package com.dao;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.cfg.Configuration;

import com.dto.Students;

public class StudentsDao {

    public void enroll(String rollno, String fname, String lname, String classes,
String section, String age) {

        Transaction tx = null;
        try {
            Configuration cfg = new Configuration().configure();
            cfg.addAnnotatedClass(com.dto.Students.class);
            StandardServiceRegistryBuilder builder = new
StandardServiceRegistryBuilder().applySettings(cfg.getProperties());
            SessionFactory factory = cfg.buildSessionFactory(builder.build());
            Session session = factory.openSession();
            tx = session.beginTransaction();
            Students st = new Students(rollno,fname,lname,classes,section,age);
            session.save(st);
            tx.commit();
            session.close();

        } catch (Exception e) {
            e.printStackTrace();
            if(tx!=null) {
                tx.rollback();
            }
        }

    }

}
```

## SubjClass.java:

```
package com.dao;
```

```

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.cfg.Configuration;
import com.dto.SubjectClass;

public class SubjClassDao {

    public void assign(String subname,String subcode,String classes) {

        Transaction tx = null;
        try {
            Configuration cfg = new Configuration().configure();
            cfg.addAnnotatedClass(com.dto.SubjectClass.class);
            StandardServiceRegistryBuilder builder = new
StandardServiceRegistryBuilder().applySettings(cfg.getProperties());
            SessionFactory factory = cfg.buildSessionFactory(builder.build());
            Session session = factory.openSession();
            tx = session.beginTransaction();
            SubjectClass sc = new SubjectClass(subname,subcode,classes);
            session.save(sc);
            tx.commit();
            session.close();

        } catch (Exception e) {
            e.printStackTrace();
            if(tx!=null) {
                tx.rollback();
            }
        }
    }
}

```

## SubjectsDao.java:

```

package com.dao;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.cfg.Configuration;

```

```

import com.dto.Subjects;

public class SubjectsDao {

    public void addsub(String subjectname, String subcode) {

        Transaction tx = null;
        try {
            Configuration cfg = new Configuration().configure();
            cfg.addAnnotatedClass(com.dto.Subjects.class);
            StandardServiceRegistryBuilder builder = new
StandardServiceRegistryBuilder().applySettings(cfg.getProperties());
            SessionFactory factory = cfg.buildSessionFactory(builder.build());
            Session session = factory.openSession();
            tx = session.beginTransaction();
            Subjects subj = new Subjects(subjectname,subcode);
            session.save(subj);
            tx.commit();
            session.close();

        } catch (Exception e) {
            e.printStackTrace();
            if(tx!=null) {
                tx.rollback();
            }
        }
    }
}

```

## TeachersDao.java:

```

package com.dao;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.cfg.Configuration;

import com.dto.Teachers;

public class TeachersDao {

    public void addTeacher(String tid, String fname, String lname, String age,
String contact) {

```

```

        Transaction tx = null;
        try {
            Configuration cfg = new Configuration().configure();
            cfg.addAnnotatedClass(com.dto.Teachers.class);
            StandardServiceRegistryBuilder builder = new
StandardServiceRegistryBuilder().applySettings(cfg.getProperties());
            SessionFactory factory = cfg.buildSessionFactory(builder.build());
            Session session = factory.openSession();
            tx = session.beginTransaction();
            Teachers t = new Teachers(tid,fname,lname,age,contact);
            session.save(t);
            tx.commit();
            session.close();

        } catch (Exception e) {
            e.printStackTrace();
            if(tx!=null) {
                tx.rollback();
            }
        }
    }
}

```

## **DTO:**

### **Classes.java:**

```

package com.dto;

import javax.persistence.*;

@Entity
@Table(name="classes")
public class Classes {

    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="cid")
    private int cid;

    @Column(name="class")
    private String classes;
}

```

```

@Column(name="section")
private String section;

@Column(name="teacher")
private String teacher;

@Column(name="subject")
private String subject;

@Column(name="time")
private String time;

@Column(name="day")
private String day;

public Classes() {

}

public Classes(String classes, String section, String teacher, String
subject, String time, String day) {
    super();
    this.classes = classes;
    this.section = section;
    this.teacher = teacher;
    this.subject = subject;
    this.time = time;
    this.day = day;
}

public int getCid() {
    return cid;
}

public void setCid(int cid) {
    this.cid = cid;
}

public String getClasses() {
    return classes;
}

public void setClasses(String classes) {
    this.classes = classes;
}

```

```
}

public String getSection() {
    return section;
}

public void setSection(String 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;
}

public String getDay() {
    return day;
}

public void setDay(String day) {
    this.day = day;
}

@Override
public String toString() {
```

```

        return "Classes [cid=" + cid + ", classes=" + classes + ", section=" +
section + ", teacher=" + teacher
        + ", subject=" + subject + ", time=" + time + ", day=" + day +
        "]" ;
    }

}

```

## Students.java:

```

package com.dto;

import javax.persistence.*;

@Entity
@Table(name="students")
public class Students {

    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="stid")
    private int stid;

    @Column(name="class")
    private String classes;

    @Column(name="rollno")
    private String rollno;

    @Column(name="fname")
    private String fname;

    @Column(name="lname")
    private String lname;

    @Column(name="section")
    private String section;

    @Column(name="age")
    private String age;

    public Students() {

    }
}

```



```
public Students(String rollno, String fname, String lname, String classes,
String section, String age) {
    super();
    this.rollno = rollno;
    this.fname = fname;
    this.lname = lname;
    this.classes = classes;
    this.section = section;
    this.age = age;
}

public int getStid() {
    return stid;
}

public void setStid(int stid) {
    this.stid = stid;
}

public String getRollno() {
    return rollno;
}

public void setRollno(String rollno) {
    this.rollno = rollno;
}

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 String getClasses() {
    return classes;
}
```

```

    }

    public void setClasses(String classes) {
        this.classes = classes;
    }

    public String getSection() {
        return section;
    }

    public void setSection(String section) {
        this.section = section;
    }

    public String getAge() {
        return age;
    }

    public void setAge(String age) {
        this.age = age;
    }

    @Override
    public String toString() {
        return "Students [stdid=" + stdid + ", classes=" + classes + ", rollno=" +
rollno + ", fname=" + fname
        + ", lname=" + lname + ", section=" + section + ", age=" + age +
        "]\n";
    }
}

```

## SubjectClass.java:

```

package com.dto;

import javax.persistence.*;

@Entity
@Table(name="subjclass")
public class SubjectClass {

    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="subid")
    private int subid;

```

```
@Column(name="subjectname")
private String subjectname;

@Column(name="subcode")
private String subcode;

@Column(name="class")
private String classes;

public SubjectClass() {

}

public SubjectClass(String subjectname, String subcode, String classes) {
    super();
    this.subjectname = subjectname;
    this.subcode = subcode;
    this.classes = classes;
}

public int getSubid() {
    return subid;
}

public void setSubid(int subid) {
    this.subid = subid;
}

public String getSubjectname() {
    return subjectname;
}

public void setSubjectname(String subjectname) {
    this.subjectname = subjectname;
}

public String getSubcode() {
    return subcode;
}

public void setSubcode(String subcode) {
    this.subcode = subcode;
}
```

```

    public String getClasses() {
        return classes;
    }

    public void setClasses(String classes) {
        this.classes = classes;
    }

    @Override
    public String toString() {
        return "SubjectClass [subid=" + subid + ", subjectname=" + subjectname +
            ", subcode=" + subcode + ", classes="
                + classes + "]";
    }

}

```

## Subjects.java:

```

package com.dto;

import javax.persistence.*;

@Entity
@Table(name="subjects")
public class Subjects {

    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="subid")
    private int subid;

    @Column(name="subcode")
    private String subcode;

    @Column(name="subjectname")
    private String subjectname;

    public Subjects() {

    }

    public Subjects(String subjectname, String subcode) {
        super();
    }
}

```

```

        this.subjectname = subjectname;
        this.subcode = subcode;
    }

    public int getSubid() {
        return subid;
    }

    public void setSubid(int subid) {
        this.subid = subid;
    }

    public String getSubjectname() {
        return subjectname;
    }

    public void setSubjectname(String subjectname) {
        this.subjectname = subjectname;
    }

    public String getSubcode() {
        return subcode;
    }

    public void setSubcode(String subcode) {
        this.subcode = subcode;
    }

    @Override
    public String toString() {
        return "Subjects [subid=" + subid + ", subcode=" + subcode + ",
subjectname=" + subjectname + "];"
    }
}

```

## Teachers.java:

```

package com.dto;

import javax.persistence.*;

@Entity
@Table(name="teachers")
public class Teachers {

```

```
@Id
@Column(name="tid")
private String tid;

@Column(name="fname")
private String fname;

@Column(name="lname")
private String lname;

@Column(name="age")
private String age;

@Column(name="contact")
private String contact;

public Teachers() {

}

public Teachers(String tid, String fname, String lname, String age, String
contact) {
    super();
    this.tid = tid;
    this.fname = fname;
    this.lname = lname;
    this.age = age;
    this.contact = contact;
}

public String getTid() {
    return tid;
}

public void setTid(String tid) {
    this.tid = tid;
}

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 String getAge() {
        return age;
    }

    public void setAge(String age) {
        this.age = age;
    }

    public String getContact() {
        return contact;
    }

    public void setContact(String contact) {
        this.contact = contact;
    }

    @Override
    public String toString() {
        return "Teachers [tid=" + tid + ", fname=" + fname + ", lname=" + lname +
", age=" + age + ", contact="
        + contact + "]";
    }
}

```

## **Filters:**

### **AssignSubVal.java:**

```

package com.filters;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.Filter;
import javax.servlet.FilterChain;

```

```

import javax.servlet.FilterConfig;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;
import javax.servlet.http.HttpFilter;

/**
 * Servlet Filter implementation class AssignSubVal
 */
public class AssignSubVal extends HttpFilter implements Filter {

    /**
     * @see HttpFilter#HttpFilter()
     */
    public AssignSubVal() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see Filter#destroy()
     */
    public void destroy() {
        // TODO Auto-generated method stub
    }

    /**
     * @see Filter#doFilter(ServletRequest, ServletResponse, FilterChain)
     */
    public void doFilter(ServletRequest request, ServletResponse response,
FilterChain chain) throws IOException, ServletException {
        String sbname = request.getParameter("subjectname");
        String sbcode = request.getParameter("subcode");
        String classes = request.getParameter("classes");

        if(sbname.equals("setname") || sbcode.equals("select") ||
classes.equals("selectclass")) {
            PrintWriter out = response.getWriter();
            request.getRequestDispatcher("assignsubject.jsp").include(request,
response);
            out.println("<center><span style='color:red'> Kindly select correct
option ! </span></center>");
        }else {
            request.setAttribute("sbname", sbname);
            request.setAttribute("sbcode", sbcode);

```



```

        request.setAttribute("classes", classes);
        chain.doFilter(request, response);
    }

}

/**
 * @see Filter#init(FilterConfig)
 */
public void init(FilterConfig fConfig) throws ServletException {
    // TODO Auto-generated method stub
}

}

```

## ClassVal.java:

```

package com.filters;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.Filter;
import javax.servlet.FilterChain;
import javax.servlet.FilterConfig;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;
import javax.servlet.http.HttpFilter;

/**
 * Servlet Filter implementation class ClassVal
 */
public class ClassVal extends HttpFilter implements Filter {

    /**
     * @see HttpFilter#HttpFilter()
     */
    public ClassVal() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see Filter#destroy()
     */
}

```

```

    public void destroy() {
        // TODO Auto-generated method stub
    }

    /**
     * @see Filter#doFilter(ServletRequest, ServletResponse, FilterChain)
     */
    public void doFilter(ServletRequest request, ServletResponse response,
        FilterChain chain) throws IOException, ServletException {
        String cl = request.getParameter("classes");
        String sec = request.getParameter("sect");
        String tch = request.getParameter("teacher");
        String sb = request.getParameter("subject");
        String tm = request.getParameter("time");
        String d = request.getParameter("day");
        if(cl.equals("selectclass") || sec.equals("select") ||
tch.equals("chooseteach") || sb.equals("choose") || tm.isEmpty() ||
d.equals("selectday")) {
            PrintWriter out = response.getWriter();
            request.getRequestDispatcher("addclass.jsp").include(request,
response);
            out.println("<center><span style='color:red'> Kindly fill the details
correctly ! </span></center>");
        }else {
            request.setAttribute("classes", cl);
            request.setAttribute("sect", sec);
            request.setAttribute("teach", tch);
            request.setAttribute("sub", sb);
            request.setAttribute("time", tm);
            request.setAttribute("day", d);
            chain.doFilter(request, response);
        }
    }

    /**
     * @see Filter#init(FilterConfig)
     */
    public void init(FilterConfig fConfig) throws ServletException {
        // TODO Auto-generated method stub
    }
}

```

## StudentVal.java:

```
package com.filters;
```

```

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.Filter;
import javax.servlet.FilterChain;
import javax.servlet.FilterConfig;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;
import javax.servlet.http.HttpFilter;

/**
 * Servlet Filter implementation class StudentVal
 */
public class StudentVal extends HttpFilter implements Filter {

    /**
     * @see HttpFilter#HttpFilter()
     */
    public StudentVal() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see Filter#destroy()
     */
    public void destroy() {
        // TODO Auto-generated method stub
    }

    /**
     * @see Filter#doFilter(ServletRequest, ServletResponse, FilterChain)
     */
    public void doFilter(ServletRequest request, ServletResponse response,
        FilterChain chain) throws IOException, ServletException {

        String eroll = request.getParameter("erollno");
        String fname = request.getParameter("fname");
        String lname = request.getParameter("lname");
        String age = request.getParameter("age");
        String classes = request.getParameter("classes");
        String sect = request.getParameter("sect");

```

```

        if(!eroll.matches("[A-Z]{2}[0-9]{4}") || eroll.isEmpty() ||
        fname.isEmpty() || lname.isEmpty() || age.isEmpty() ||
        classes.equals("selectclass") || sect.equals("select")) {
            PrintWriter out = response.getWriter();
            request.getRequestDispatcher("addstudent.jsp").include(request,
            response);
            out.println("<center><span style='color:red'> Kindly fill the details
            correctly ! </span></center>");
        }else {
            request.setAttribute("erollno", eroll);
            request.setAttribute("fname", fname);
            request.setAttribute("lname", lname);
            request.setAttribute("age", age);
            request.setAttribute("classes", classes);
            request.setAttribute("sect", sect);
            chain.doFilter(request, response);
        }

    }

    /**
     * @see Filter#init(FilterConfig)
     */
    public void init(FilterConfig fConfig) throws ServletException {
        // TODO Auto-generated method stub
    }

}

```

## SubjectVal.java:

```

package com.filters;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.Filter;
import javax.servlet.FilterChain;
import javax.servlet.FilterConfig;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;
import javax.servlet.http.HttpFilter;

/**

```

```

* Servlet Filter implementation class SubjectVal
*/
public class SubjectVal extends HttpFilter implements Filter {

    /**
     * @see HttpFilter#HttpFilter()
     */
    public SubjectVal() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see Filter#destroy()
     */
    public void destroy() {
        // TODO Auto-generated method stub
    }

    /**
     * @see Filter#doFilter(ServletRequest, ServletResponse, FilterChain)
     */
    public void doFilter(ServletRequest request, ServletResponse response,
        FilterChain chain) throws IOException, ServletException {
        String sname = request.getParameter("subjectname");
        String scode = request.getParameter("subcode");

        if(sname.isEmpty() || scode.isEmpty() || !scode.matches("[A-Z]{2}[0-9]{2}")) {
            PrintWriter out = response.getWriter();
            request.getRequestDispatcher("addsubject.jsp").include(request,
response);
            out.println("<center><span style='color:red'> Kindly fill the details
correctly ! </span></center>");
        }else {
            request.setAttribute("subname", sname);
            request.setAttribute("subcode", scode);
            chain.doFilter(request, response);
        }
    }

    /**
     * @see Filter#init(FilterConfig)
     */
    public void init(FilterConfig fConfig) throws ServletException {

```

```

        // TODO Auto-generated method stub
    }

}

```

## TeacherVal.java:

```

package com.filters;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.Filter;
import javax.servlet.FilterChain;
import javax.servlet.FilterConfig;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;
import javax.servlet.http.HttpFilter;

/**
 * Servlet Filter implementation class TeacherVal
 */
public class TeacherVal extends HttpFilter implements Filter {

    /**
     * @see HttpFilter#HttpFilter()
     */
    public TeacherVal() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see Filter#destroy()
     */
    public void destroy() {
        // TODO Auto-generated method stub
    }

    /**
     * @see Filter#doFilter(ServletRequest, ServletResponse, FilterChain)
     */
    public void doFilter(ServletRequest request, ServletResponse response,
        FilterChain chain) throws IOException, ServletException {
        String teacherid = request.getParameter("teacherid");
    }
}

```

```

        String fname = request.getParameter("fname");
        String lname = request.getParameter("lname");
        String age = request.getParameter("age");
        String contact = request.getParameter("contact");
        if(!teacherid.matches("[0-9]{3}") || fname.isEmpty() || lname.isEmpty()
|| !age.matches("[0-9]{2}") || !contact.matches("[0-9]{10}") || age.isEmpty() ||
contact.isEmpty()) {
            PrintWriter out = response.getWriter();
            request.getRequestDispatcher("addteacher.jsp").include(request,
response);
            out.println("<center><span style='color:red'> Kindly fill the details
correctly ! </span></center>");
        }else {
            request.setAttribute("teacherid", teacherid);
            request.setAttribute("fname", fname);
            request.setAttribute("lname", lname);
            request.setAttribute("age", age);
            request.setAttribute("contact", contact);
            chain.doFilter(request, response);
        }

    }

    /**
     * @see Filter#init(FilterConfig)
     */
    public void init(FilterConfig fConfig) throws ServletException {
        // TODO Auto-generated method stub
    }
}

```

## **Servlets:**

### **AddClass.java:**

```

package com.servlets;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;

```

```

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.dao.ClassDao;
/**
 * Servlet implementation class AddClass
 */
public class AddClass extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AddClass() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void service(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        String cls = (String) request.getAttribute("classes");
        String section = (String) request.getAttribute("sect");
        String tc = (String) request.getAttribute("teach");
        String subj = (String) request.getAttribute("sub");
        String tmg = (String) request.getAttribute("time");
        String d = (String) request.getAttribute("day");
        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession();
        ClassDao clsd = new ClassDao();
        clsd.register(cls, section, tc, subj, tmg, d);
        request.getRequestDispatcher("addclass.jsp").include(request, response);
        out.println("<center><span style='color:green'> Teacher assigned to Class
successfully ! </span></center>");

    }

}

```

## AddStudent.java:

```
package com.servlets;
```



```

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.dao.StudentsDao;
/**
 * Servlet implementation class AddStudent
 */
public class AddStudent extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AddStudent() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void service(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {

        String eroll = (String) request.getAttribute("erollno");
        String fname = (String) request.getAttribute("fname");
        String lname = (String) request.getAttribute("lname");
        String age = (String) request.getAttribute("age");
        String classes = (String) request.getAttribute("classes");
        String sect = (String) request.getAttribute("sect");
        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession();
        StudentsDao sd = new StudentsDao();
        sd.enroll(eroll, fname, lname, classes, sect, age);
        request.getRequestDispatcher("addstudent.jsp").include(request,
response);
    }
}

```

```
        out.println("<center><span style='color:green'> Student added  
successfully ! </span></center>");
```

```
    }
```

```
}
```

## AddSubject.java:

```
package com.servlets;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
import javax.servlet.http.HttpSession;
```

```
import com.dao.SubjectsDao;
```

```
/**
```

```
 * Servlet implementation class AddSubject
```

```
 */
```

```
public class AddSubject extends HttpServlet {  
    private static final long serialVersionUID = 1L;
```

```
    /**
```

```
     * @see HttpServlet#HttpServlet()
```

```
     */
```

```
    public AddSubject() {  
        super();  
        // TODO Auto-generated constructor stub  
    }
```

```
    /**
```

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

```
     */
```

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

```
        String sbname = (String) request.getAttribute("subname");
```

```
        String sbcode = (String) request.getAttribute("subcode");
```

```

        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession();
        SubjectsDao sub = new SubjectsDao();
        sub.addsub(sname, sbcode);
        request.getRequestDispatcher("addsubject.jsp").include(request,
response);
        out.println("<center><span style='color:green'> Subject added
successfully ! </span></center>");
    }
}

```

## AddTeacher.java:

```

package com.servlets;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.dao.TeachersDao;

/**
 * Servlet implementation class AddTeacher
 */
public class AddTeacher extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AddTeacher() {
        super();
        // TODO Auto-generated constructor stub
    }

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

```

```

        protected void service(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            String tid = (String) request.getAttribute("teacherid");
            String fname = (String) request.getAttribute("fname");
            String lname = (String) request.getAttribute("lname");
            String age = (String) request.getAttribute("age");
            String contact = (String) request.getAttribute("contact");
            PrintWriter out = response.getWriter();
            HttpSession session = request.getSession();
            TeachersDao td = new TeachersDao();
            td.addTeacher(tid, fname, lname, age, contact);
            request.getRequestDispatcher("addteacher.jsp").include(request,
response);
            out.println("<center><span style='color:green'> Teacher details added
successfully ! </span></center>");
        }
    }
}

```

## AdminLogout.java:

```

package com.servlets;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

/**
 * Servlet implementation class AdminLogout
 */
public class AdminLogout extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AdminLogout() {
        super();
        // TODO Auto-generated constructor stub
    }
}

```

```

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        try {
            HttpSession session = request.getSession();
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            request.getRequestDispatcher("adminlogin.jsp").include(request,
response);
            session.invalidate();
            out.println("<center><span style='color:green'> Successfully logged
out! </span></center>");
            out.close();
        } catch (Exception e) {
            request.getRequestDispatcher("adminlogin.jsp").include(request,
response);
        }
    }
}

```

## AssignSubject.java:

```

package com.servlets;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.dao.SubjClassDao;
/**
 * Servlet implementation class AssignSubject
 */
public class AssignSubject extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()

```

```

    */
    public AssignSubject() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse
    response)
     */
    protected void service(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        String sbname = (String) request.getAttribute("sbname");
        String sbcode = (String) request.getAttribute("sbcode");
        String classes = (String) request.getAttribute("classes");
        HttpSession session = request.getSession();
        PrintWriter out = response.getWriter();
        SubjClassDao subas = new SubjClassDao();
        subas.assign(sbname, sbcode, classes);
        request.getRequestDispatcher("assignsubject.jsp").include(request,
    response);
        out.println("<center><span style='color:green'> Subject assigned
    successfully ! </span></center>");

    }

}

```

## LoginController.java:

```

package com.servlets;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

/**
 * Servlet implementation class LoginController
 */
public class LoginController extends HttpServlet {

```

```

private static final long serialVersionUID = 1L;

/**
 * @see HttpServlet#HttpServlet()
 */
public LoginController() {
    super();
    // TODO Auto-generated constructor stub
}

protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException{
    String username = request.getParameter("username");
    String password = request.getParameter("password");
    RequestDispatcher rd = null;
    PrintWriter out = response.getWriter();
    try {
        if(username.equalsIgnoreCase("admin@learnersacademy.com") &&
password.equals("admin12345")) {
            rd = request.getRequestDispatcher("dashboard.jsp");
            rd.forward(request, response);
            HttpSession session = request.getSession();
        }else {
            rd = request.getRequestDispatcher("adminlogin.jsp");
            rd.include(request, response);
            out.println("<center><span style='color:red'> Invalid
Credentials! </span></center>");
        }
    } catch (Exception e) {
        request.getRequestDispatcher("adminlogin.jsp").include(request,
response);
    }

}

}

```

## hibernate.cfg.xml:

```

<?xml version='1.0' encoding='utf-8'?>
<!DOCTYPE hibernate-configuration PUBLIC
    "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
    "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

```

```
<hibernate-configuration>

    <session-factory>

        <property
name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</property>
        <property
name="hibernate.connection.url">jdbc:mysql://localhost:3306/learneracademy</prope
rty>
        <property name="hibernate.connection.username">root</property>
        <property name="hibernate.connection.password">root12345</property>
        <property
name="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</property>
        <property name="show_sql">true</property>
        <property name="format_sql">true</property>
        <property name="hbm2ddl.auto">update</property>
        <mapping class="com.dto.Classes"/>
        <mapping class="com.dto.Students"/>
        <mapping class="com.dto.Subjects"/>
        <mapping class="com.dto.Teachers"/>
        <mapping class="com.dto.SubjectClass"/>

    </session-factory>

</hibernate-configuration>
```