package com.learner.model;

import java.util.ArrayList;

import java.util.List;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.JoinTable;

import javax.persistence.ManyToMany;

import javax.persistence.OneToMany;

import javax.persistence.Table;

@Entity

@Table(name ="CLASSES")

public class Classes {

@Id

@GeneratedValue(strategy = GenerationType.AUTO)

@Column(name ="CLASS\_ID")

private int classId;

@Column(name ="CLASS\_NAME")

private String className;

@OneToMany(cascade = CascadeType.ALL, fetch = FetchType.EAGER)

@JoinTable(name = "CLASSES\_STUDENT" , joinColumns ={ @JoinColumn(name ="CLASS\_ID")}, inverseJoinColumns = {@JoinColumn(name="STUDENT\_ID")})

private List<Student> student;

@ManyToMany(cascade = CascadeType.ALL, fetch = FetchType.EAGER )

@JoinTable(name = "CLASSES\_SUBJECT" , joinColumns ={ @JoinColumn(name = "CLASS\_ID") } , inverseJoinColumns = { @JoinColumn(name = "SUBJECT\_ID") })

private List<Subject> subject ;

@OneToMany(cascade = CascadeType.ALL, fetch = FetchType.EAGER)

@JoinTable(name = "CLASSES\_TEACHER" , joinColumns ={ @JoinColumn(name = "CLASS\_ID") } , inverseJoinColumns = { @JoinColumn(name = "TEACHER\_ID") })

private List<Teacher> teacher;

public Classes() {

}

public Classes(String className, List<Student> student, List<Subject> subject, List<Teacher> teacher) {

this.className = className;

this.student = student;

this.subject = subject;

this.teacher = teacher;

}

public List<Student> getStudent() {

return student;

}

public void setStudent(List<Student> student) {

this.student = student;

}

public List<Subject> getSubject() {

return subject;

}

public void setSubject(List<Subject> subject) {

this.subject = subject;

}

public List<Teacher> getTeacher() {

return teacher;

}

public void setTeacher(List<Teacher> teacher) {

this.teacher = teacher;

}

public int getClassId() {

return classId;

}

public void setClassId(int classId) {

this.classId = classId;

}

public String getClassName() {

return className;

}

public void setClassName(String className) {

this.className = className;

}

@Override

public String toString() {

return "Classes [classId=" + classId + ", className=" + className + ", student=" + student + ", subject="

+ subject + ", teacher=" + teacher + "]";

}

}

package com.learner.model;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name ="STUDENT")

public class Student {

@Id

@GeneratedValue(strategy = GenerationType.AUTO)

@Column(name = "STUDENT\_ID")

private int studentId;

@Column(name = "STUDENT\_NAME")

private String studentName;

public Student() {

}

public Student(String studentName) {

this.studentName = studentName;

}

public int getStudentId() {

return studentId;

}

public void setStudentId(int studentId) {

this.studentId = studentId;

}

public String getStudentName() {

return studentName;

}

public void setStudentName(String studentName) {

this.studentName = studentName;

}

@Override

public String toString() {

return "Student [studentId=" + studentId + ", studentName=" + studentName + "]";

}

}

package com.learner.model;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="SUBJECT")

public class Subject {

@Id

@GeneratedValue(strategy = GenerationType.AUTO)

@Column(name = "SUBJECT\_ID")

private int subjectId;

@Column(name ="SUBJECT\_NAME")

private String subjectName;

public Subject() {

}

public Subject(String subjectName) {

this.subjectName = subjectName;

}

public int getSubjectId() {

return subjectId;

}

public void setSubjectId(int subjectId) {

this.subjectId = subjectId;

}

public String getSubjectName() {

return subjectName;

}

public void setSubjectName(String subjectName) {

this.subjectName = subjectName;

}

@Override

public String toString() {

return "Subject [subjectId=" + subjectId + ", subjectName=" + subjectName + "]";

}

}

package com.learner.model;

import java.util.List;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.JoinTable;

import javax.persistence.ManyToMany;

import javax.persistence.Table;

@Entity

@Table(name="TEACHER")

public class Teacher {

@Id

@GeneratedValue(strategy = GenerationType.AUTO)

@Column(name = "TEACHER\_ID" )

private int teacherId;

@Column(name = "TEACHER\_NAME")

private String teacherName;

@ManyToMany(cascade = CascadeType.ALL, fetch = FetchType.EAGER)

@JoinTable(name = "SUBJECT\_TEACHER" , joinColumns ={@JoinColumn(name="TEACHER\_ID")}, inverseJoinColumns={@JoinColumn(name="SUBJECT\_ID")})

private List<Subject> subject;

public Teacher() {

}

public Teacher(String teacherName) {

this.teacherName = teacherName;

}

public List<Subject> getSubject() {

return subject;

}

public void setSubject(List<Subject> subject) {

this.subject = subject;

}

public int getTeacherId() {

return teacherId;

}

public void setTeacherId(int teacherId) {

this.teacherId = teacherId;

}

public String getTeacherName() {

return teacherName;

}

public void setTeacherName(String teacherName) {

this.teacherName = teacherName;

}

@Override

public String toString() {

return "Teacher [teacherId=" + teacherId + ", teacherName=" + teacherName + "]";

}

}