package com.learner.dao.implementation;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.learner.dao.SubjectDAO;

import com.learner.model.Subject;

public class SubjectDaoImplementation implements SubjectDAO{

private static SessionUtil sessionUtil = SessionUtil.getInstance();

@Override

public Subject createSubject(Subject subject) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.save(subject);

transaction.commit();

session.close();

return subject;

}

@Override

public Subject getSubjectById(int subjectId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Subject subject = (Subject) session.get(Subject.class, subjectId);

transaction.commit();

session.close();

return subject;

}

@Override

public List<Subject> getAllSubject() {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

List<Subject> subjectList = session.createQuery("from com.learner.model.Subject").list();

transaction.commit();

session.close();

return subjectList;

}

@Override

public Subject updateSubject(Subject subject) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.update(subject);

transaction.commit();

session.close();

return subject;

}

@Override

public void deleteSubject(int subjectId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Subject sub = new Subject();

sub.setSubjectId(subjectId);

session.delete(sub);

transaction.commit();

session.close();

}

}

package com.learner.dao.implementation;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.learner.dao.TeacherDAO;

import com.learner.model.Teacher;

public class TeacherDaoImplementation implements TeacherDAO {

private static SessionUtil sessionUtil = SessionUtil.getInstance();

@Override

public Teacher createTeacher(Teacher teacher) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.save(teacher);

transaction.commit();

session.close();

return teacher;

}

@Override

public Teacher getTeacherById(int teacherId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Teacher teacher = (Teacher) session.get(Teacher.class, teacherId);

transaction.commit();

session.close();

return teacher;

}

@Override

public List<Teacher> getAllTeachers() {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

List<Teacher> teacherList = session.createQuery("from com.learner.model.Teacher").list();

transaction.commit();

session.close();

return teacherList;

}

@Override

public Teacher updateTeacher(Teacher teacher) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.update(teacher);

transaction.commit();

session.close();

return teacher;

}

@Override

public void deleteTeacher(int teacherId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Teacher tea = new Teacher();

tea.setTeacherId(teacherId);

session.delete(tea);

transaction.commit();

session.close();

}

}

package com.learner.dao.implementation;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.learner.dao.ClassesDAO;

import com.learner.model.Classes;

public class ClassesDaoImplementation implements ClassesDAO {

private static SessionUtil sessionUtil = SessionUtil.getInstance();

@Override

public Classes createClasses(Classes classes) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.save(classes);

transaction.commit();

session.close();

return classes;

}

@Override

public Classes getClassesById(int classId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Classes classes = (Classes) session.get(Classes.class, classId);

transaction.commit();

session.close();

return classes;

}

@Override

public List<Classes> getAllClasses() {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

List<Classes> classesList = session.createQuery("from com.learner.model.Classes").list();

transaction.commit();

session.close();

return classesList;

}

@Override

public Classes updateClasses(Classes classes) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.update(classes);

transaction.commit();

session.close();

return classes;

}

@Override

public void deleteClasses(int classId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Classes cla = new Classes();

cla.setClassId(classId);

session.delete(cla);

transaction.commit();

session.close();

}

}

package com.learner.dao.implementation;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import com.learner.dao.implementation.SessionUtil;

public class SessionUtil {

private static SessionUtil instance = new SessionUtil();

private SessionFactory sessionFactory;

public static SessionUtil getInstance() {

return instance;

}

private SessionUtil() {

Configuration configuration = new Configuration().configure("hibernate.cfg.xml");

StandardServiceRegistryBuilder builder =

new StandardServiceRegistryBuilder().applySettings(configuration.getProperties());

sessionFactory = configuration.buildSessionFactory(builder.build());

}

public Session getSession() {

Session session = getInstance().sessionFactory.openSession();

return session;

}

}

package com.learner.dao.implementation;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.learner.dao.StudentDAO;

import com.learner.model.Student;

public class StudentDaoImplementation implements StudentDAO {

private static SessionUtil sessionUtil = SessionUtil.getInstance();

@Override

public Student createStudent(Student student) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.save(student);

transaction.commit();

session.close();

return student;

}

@Override

public Student getStudentById(int studentId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Student student = (Student) session.get(Student.class, studentId);

transaction.commit();

session.close();

return student;

}

@Override

public List<Student> getAllStudents() {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

List<Student> studentList = session.createQuery("from com.learner.model.Student").list();

transaction.commit();

session.close();

return studentList;

}

@Override

public Student updateStudent(Student student) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

session.update(student);

transaction.commit();

session.close();

return student;

}

@Override

public void deleteStudent(int studentId) {

Session session = sessionUtil.getSession();

Transaction transaction = session.beginTransaction();

Student stu = new Student();

stu.setStudentId(studentId);

session.delete(stu);

transaction.commit();

session.close();

}

}