package com.example.apicodingchallenge.testrepo;

import java.time.LocalDate;

import java.util.List;

import org.junit.jupiter.api.Test;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.boot.test.context.SpringBootTest;

import com.hexa.apicodingchallenge.ApicodingchallengeApplication;

import com.hexa.apicodingchallenge.enums.Priority;

import com.hexa.apicodingchallenge.enums.Status;

import com.hexa.apicodingchallenge.model.Task;

import com.hexa.apicodingchallenge.repository.TaskRepository;

@SpringBootTest(classes = {ApicodingchallengeApplication.class})

public class TaskRepoJpaMethodTest {

@Autowired

private TaskRepository taskRepository;

@Test

void saveTest() {

Task task = new Task();

task.setTitle("Test Task");

task.setDescription("Test Description");

task.setDueDate(LocalDate.now());

task.setPriority(Priority.HIGH);

task.setStatus(Status.PENDING);

Task savedTask = taskRepository.save(task);

System.out.println("Saved task: " + savedTask);

}

@Test

void findByIdTest() {

Task task = taskRepository.findById(1).get();

System.out.println("Found task: " + task);

}

@Test

void findAllTasksTest() {

List<Task> tasks = (List<Task>) taskRepository.findAll();

for (Task task : tasks) {

System.out.println("Task: " + task);

}

}

@Test

void updateTaskTitleTest() {

Task task = taskRepository.findById(1).get();

if (task != null) {

task.setTitle("Updated Task Title");

Task updatedTask = taskRepository.save(task);

System.out.println("Updated task: " + updatedTask);

} else {

System.out.println("Task not found.");

}

}

@Test

void deleteTaskTest() {

Task task = taskRepository.findById(2).get();

if (task != null) {

taskRepository.delete(task);

System.out.println("Deleted task: " + task);

} else {

System.out.println("Task not found.");

}

}

}