Spring Data JPA with Spring Boot, Hibernate

SuperSet ID:6412063

Find a country based on country code

CountryService.java

import com.example.demo1.service.exception.CountryNotFoundException;

public interface CountryService {

Country findCountryByCode(String countryCode) throws CountryNotFoundException;

}

CountryNotFoundException.java

package com.example.demo1.service.exception;

public class CountryNotFoundException extends Exception {

public CountryNotFoundException(String message) {

super(message);

}

}

CountryServiceImpl.java

package com.example.demo1.service;

import com.example.demo1.model.Country;

import com.example.demo1.repository.CountryRepository;

import com.example.demo1.service.exception.CountryNotFoundException;

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

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import java.util.Optional;

@Service

public class CountryServiceImpl implements CountryService {

@Autowired

private CountryRepository countryRepository;

@Override

@Transactional

public Country findCountryByCode(String countryCode) throws CountryNotFoundException {

Optional<Country> result = countryRepository.findById(countryCode);

if (!result.isPresent()) {

throw new CountryNotFoundException("Country not found with code: " + countryCode);

}

return result.get();

}

}

Demo1Application.java

import com.example.demo1.model.Country;

import com.example.demo1.service.CountryService;

import com.example.demo1.service.exception.CountryNotFoundException;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.context.ApplicationContext;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class Demo1Application {

private static final Logger LOGGER = LoggerFactory.getLogger(Demo1Application.class);

public static void main(String[] args) {

ApplicationContext context = SpringApplication.run(Demo1Application.class, args);

CountryService countryService = context.getBean(CountryService.class);

getCountryByCodeTest(countryService);

}

private static void getCountryByCodeTest(CountryService countryService) {

LOGGER.info("Start");

try {

Country country = countryService.findCountryByCode("IN");

LOGGER.debug("Country: {}", country);

} catch (CountryNotFoundException e) {

LOGGER.error("Exception: {}", e.getMessage());

}

LOGGER.info("End");

}

}

Output:

A computer screen with a black screen

Description automatically generated