COUNTRY FULL WITH NEW COUNTRY , COUNTRY CODE

package com.example.country;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
@SpringBootApplication  
public class CountryManagementApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.*run*(CountryManagementApplication.class, args);  
 }  
  
}

services , getters , setters ,country codes , etc..

package com.example.country.entity;  
  
import jakarta.persistence.\*;  
  
@Entity  
public class Country {  
  
 @Id  
 @GeneratedValue(strategy = GenerationType.*IDENTITY*)  
 private Long id;  
  
 private String name;  
  
 private String capital;  
  
 private Long population;  
  
 @Column(unique = true)   
 private String countryCode;  
  
 // Getters and Setters  
  
 public Long getId() {  
 return id;  
 }  
  
 public void setId(Long id) {  
 this.id = id;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getCapital() {  
 return capital;  
 }  
  
 public void setCapital(String capital) {  
 this.capital = capital;  
 }  
  
 public Long getPopulation() {  
 return population;  
 }  
  
 public void setPopulation(Long population) {  
 this.population = population;  
 }  
  
 public String getCountryCode() {  
 return countryCode;  
 }  
  
 public void setCountryCode(String countryCode) {  
 this.countryCode = countryCode;  
 }  
}

Repo

package com.example.country.repository;  
  
import com.example.country.entity.Country;  
import org.springframework.data.jpa.repository.JpaRepository;  
  
public interface CountryRepository extends JpaRepository<Country, Long> {  
}

services

package com.example.country.service;  
  
import com.example.country.entity.Country;  
import com.example.country.repository.CountryRepository;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.stereotype.Service;  
  
import java.util.List;  
  
@Service  
public class CountryService {  
  
 @Autowired  
 private CountryRepository repository;  
  
 public List<Country> getAllCountries() {  
 return repository.findAll();  
 }  
  
 public Country getCountryById(Long id) {  
 return repository.findById(id).orElse(null);  
 }  
  
 public Country addCountry(Country country) {  
 return repository.save(country);  
 }  
  
 public void deleteCountry(Long id) {  
 repository.deleteById(id);  
 }  
  
 public Country updateCountry(Long id, Country country) {  
 Country existing = repository.findById(id).orElse(null);  
 if (existing != null) {  
 existing.setName(country.getName());  
 existing.setCapital(country.getCapital());  
 existing.setPopulation(country.getPopulation());  
 return repository.save(existing);  
 }  
 return null;  
 }  
}

controllers

package com.example.country.controller;  
  
import com.example.country.entity.Country;  
import com.example.country.service.CountryService;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.web.bind.annotation.\*;  
  
import java.util.List;  
  
@RestController  
@RequestMapping("/countries")  
public class CountryController {  
  
 @Autowired  
 private CountryService service;  
  
 @GetMapping  
 public List<Country> getAll() {  
 return service.getAllCountries();  
 }  
  
 @GetMapping("/{id}")  
 public Country getById(@PathVariable Long id) {  
 return service.getCountryById(id);  
 }  
  
 @PostMapping  
 public Country add(@RequestBody Country country) {  
 return service.addCountry(country);  
 }  
  
 @PutMapping("/{id}")  
 public Country update(@PathVariable Long id, @RequestBody Country country) {  
 return service.updateCountry(id, country);  
 }  
  
 @DeleteMapping("/{id}")  
 public void delete(@PathVariable Long id) {  
 service.deleteCountry(id);  
 }  
}





