**application.properties:**

spring.datasource.url=jdbc:mysql://localhost:3306/demodb

spring.datasource.username=root

spring.datasource.password=password

spring.datasource.driverClassName=com.mysql.cj.jdbc.Driver

spring.jpa.database-platform=org.hibernate.dialect.MySQLDialect

spring.jpa.hibernate.ddl-auto=update

**User.java:**

package com.restdemo.entity;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

@Entity

@Table(name = "users")

public class User {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int id;

private String name;

private String email;

private int age;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

@Override

public String toString() {

return "User [id=" + id + ", name=" + name + ", email=" + email + ", age=" + age + "]";

}

}

**UserRepo.java:**

package com.restdemo.repository;

import org.springframework.data.repository.CrudRepository;

import com.restdemo.entity.User;

public interface UserRepo extends CrudRepository<User, Integer> {

}

**UserService.java:**

**package** com.restdemo.services;

**import** java.util.List;

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

**import** org.springframework.stereotype.Service;

**import** com.restdemo.entity.User;

**import** com.restdemo.repository.UserRepo;

@Service

**public** **class** UserService {

@Autowired

UserRepo userRepo;

**public** List<User> viewAllUsers() {

**return** (List<User>) userRepo.findAll();

}

**public** User getUserById(**int** id) {

**return** userRepo.findById(id).get();

}

**public** **void** addUser(User user) {

userRepo.save(user);

}

**public** **void** updateUser(User user) {

User isUser = getUserById(user.getId());

isUser.setName(user.getName());

isUser.setEmail(user.getEmail());

isUser.setAge(user.getAge());

userRepo.save(isUser);

}

**public** **void** deleteUser(**int** id) {

userRepo.deleteById(id);

}

}

**UserController.java:**

**package** com.restdemo.controllers;

**import** java.util.List;

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

**import** org.springframework.web.bind.annotation.DeleteMapping;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** org.springframework.web.bind.annotation.PostMapping;

**import** org.springframework.web.bind.annotation.PutMapping;

**import** org.springframework.web.bind.annotation.RequestBody;

**import** org.springframework.web.bind.annotation.RequestMapping;

**import** org.springframework.web.bind.annotation.RestController;

**import** com.restdemo.entity.User;

**import** com.restdemo.services.UserService;

@RestController

@RequestMapping(path = "/api")

**public** **class** UserController {

@Autowired

UserService userService;

@GetMapping("/users")

**public** List<User> getAllUsers() {

**return** userService.viewAllUsers();

}

@GetMapping("/user/{id}")

**public** User getUser(@PathVariable **int** id) {

**return** userService.getUserById(id);

}

@PostMapping("/users")

**public** **void** addUser(@RequestBody User user) {

userService.addUser(user);

}

@PutMapping("/user/{id}")

**public** String updateUser(@PathVariable **int** id) {

User user = userService.getUserById(id);

**if**(user == **null**) {

**return** "User not found";

}

userService.updateUser(user);

**return** "User updated";

}

@DeleteMapping("/user/{id}")

**public** String deleteUser(@PathVariable **int** id) {

User user = userService.getUserById(id);

**if**(user == **null**) {

**return** "User not found";

}

userService.deleteUser(id);

**return** "User deleted";

}

}

**RestdemoApplication.java:**

package com.restdemo;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class RestdemoApplication {

public static void main(String[] args) {

SpringApplication.run(RestdemoApplication.class, args);

}

}