**Costemer Application:-**

package com.example.demo;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class CostemerApplication {

public static void main(String[] args) {

SpringApplication.run(CostemerApplication.class, args);

}

}

**Controller:-**

**package** com.example.demo.Costemer.Controller;

**import** java.util.List;

**import** java.util.Optional;

**import** javax.swing.text.html.Option;

**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.example.demo.Costemer.Entity.Costemer;

**import** com.example.demo.Costemer.Service.CostemerService;

@RestController

@RequestMapping("/Costemer")

**public** **class** CostemerController {

@Autowired

CostemerService costemerService;

@PostMapping("/SaveCostemer")

**public** Costemer saveCostemer(@RequestBody Costemer costemer) {

**return** costemerService.saveCostemer(costemer);

}

@GetMapping("/getCostemers")

**public** List<Costemer> getCostomer(){

**return** costemerService.fetchCostemers();

}

@GetMapping("/getById/{Costemerid}")

**public** Optional<Costemer> getById(@PathVariable **long** Costemerid){

**return** costemerService.fetchCostemer(Costemerid);

}

}

Entity:-

package com.example.demo.Costemer.Entity;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="Student")

public class Costemer {

@Id

@GeneratedValue

@Column(name="cust\_id")

private long Costemerid;

@Column(name="cust\_name")

private String Costemername;

@Column(name="Cust\_gender")

private String gender;

@Column(name="Cust\_age")

private int age;

@Column(name="Cust\_Address")

private String address;

public long getCostemerid() {

return Costemerid;

}

public void setCostemerid(long costemerid) {

Costemerid = costemerid;

}

public String getCostemername() {

return Costemername;

}

public void setCostemername(String costemername) {

Costemername = costemername;

}

public String getGender() {

return gender;

}

public void setGender(String gender) {

this.gender = gender;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

public String getAddress() {

return address;

}

public void setAddress(String address) {

this.address = address;

}

}

Repository:-

**package** com.example.demo.Costemer.Repository;

**import** org.springframework.data.jpa.repository.JpaRepository;

**import** org.springframework.stereotype.Repository;

**import** com.example.demo.Costemer.Entity.Costemer;

@Repository

**public** **interface** CostemerRepository **extends** JpaRepository<Costemer, Long> {

}

**Costemer Service:-**

package com.example.demo.Costemer.Service;

import java.util.List;

import java.util.Optional;

import javax.swing.text.html.Option;

import org.springframework.stereotype.Service;

import com.example.demo.Costemer.Entity.Costemer;

@Service

public interface CostemerService {

Costemer saveCostemer(Costemer costemer);

Costemer updateCostemer(Costemer costemer);

List<Costemer> fetchCostemers();

String deleteCostemer(Long Costemerid);

Optional<Costemer> fetchCostemer(Long Costemerid);

}

**Costemer Service Implementation:-**

package com.example.demo.Costemer.Service;

import java.util.ArrayList;

import java.util.List;

import java.util.Optional;

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

import org.springframework.stereotype.Service;

import com.example.demo.Costemer.Entity.Costemer;

import com.example.demo.Costemer.Repository.CostemerRepository;

@Service

public class CostemerServiceImpl implements CostemerService{

@Autowired

CostemerRepository costemerRepository;

@Override

public Costemer saveCostemer(Costemer costemer) {

return costemerRepository.save(costemer);

}

@Override

public Costemer updateCostemer(Costemer costemer) {

// TODO Auto-generated method stub

return null;

}

@Override

public List<Costemer> fetchCostemers() {

return costemerRepository.findAll();

}

@Override

public String deleteCostemer(Long Costemerid) {

costemerRepository.deleteById(Costemerid);

return "Costemer deleted successfully";

}

@Override

public Optional<Costemer> fetchCostemer(Long Costemerid) {

Optional<Costemer> cust=costemerRepository.findById(Costemerid);

if(cust.isPresent()) {

return costemerRepository.findById(Costemerid);

}

return cust;

}