**Project objective**

Create a Spring Boot project that will capture user feedback using a REST endpoint. The REST resource will take in parameters using HTTP POST. The feedback data will be then added to a database table.

**Problem statement**

As a part of developing an ecommerce web application, a REST resource is needed to capture user feedback. Feedback data will be received from third-party apps and websites. The data will be sent to the REST API which will collect feedback from various sources.

**Source Code**

Feedback

package com.org.entity;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

@Entity

public class Feedback {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int id;

private String name;

private int age;

private String fmessage;

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 int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

public String getFmessage() {

return fmessage;

}

public void setFmessage(String fmessage) {

this.fmessage = fmessage;

}

}

FeedbackRepo

**package** com.org.entity;

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

**public** **interface** FeedbackRepo **extends** JpaRepository<Feedback, Integer> {

}

MainController

package com.org.controller;

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

import org.springframework.http.HttpStatus;

import org.springframework.http.ResponseEntity;

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

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

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

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

import com.org.entity.Feedback;

import com.org.entity.FeedbackRepo;

@RestController

@RequestMapping("/api")

public class MainController {

@Autowired

private FeedbackRepo feedbackRepo;

@PostMapping("/")

public ResponseEntity<Feedback> createFeedback(@RequestBody Feedback feedback){

try {

Feedback f=feedbackRepo.save(feedback);

return new ResponseEntity<>(f,HttpStatus.CREATED);

}

catch(Exception e)

{

return new ResponseEntity<>(null,HttpStatus.INTERNAL\_SERVER\_ERROR);

}

}

}

Application

package com.org;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.annotation.ComponentScan;

@SpringBootApplication

@ComponentScan(basePackages = "com.org")

public class Application {

public static void main(String[] args) {

SpringApplication.run(Application.class, args);

}

}