package com.tutorialspoint.demo.controller;

import java.util.Arrays;

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

import org.springframework.http.HttpEntity;

import org.springframework.http.HttpHeaders;

import org.springframework.http.HttpMethod;

import org.springframework.http.MediaType;

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

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

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

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

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

import org.springframework.web.client.RestTemplate;

import com.tutorialspoint.demo.model.Product;

@RestController

public class ConsumeWebService {

@Autowired

RestTemplate restTemplate;

@RequestMapping(value = "/template/products")

public String getProductList() {

HttpHeaders headers = new HttpHeaders();

headers.setAccept(Arrays.asList(MediaType.APPLICATION\_JSON));

HttpEntity<String> entity = new HttpEntity<String>(headers);

return restTemplate.exchange(

"http://localhost:8080/products", HttpMethod.GET, entity, String.class).getBody();

}

@RequestMapping(value = "/template/products", method = RequestMethod.POST)

public String createProducts(@RequestBody Product product) {

HttpHeaders headers = new HttpHeaders();

headers.setAccept(Arrays.asList(MediaType.APPLICATION\_JSON));

HttpEntity<Product> entity = new HttpEntity<Product>(product,headers);

return restTemplate.exchange(

"http://localhost:8080/products", HttpMethod.POST, entity, String.class).getBody();

}

@RequestMapping(value = "/template/products/{id}", method = RequestMethod.PUT)

public String updateProduct(@PathVariable("id") String id, @RequestBody Product product) {

HttpHeaders headers = new HttpHeaders();

headers.setAccept(Arrays.asList(MediaType.APPLICATION\_JSON));

HttpEntity<Product> entity = new HttpEntity<Product>(product,headers);

return restTemplate.exchange(

"http://localhost:8080/products/"+id, HttpMethod.PUT, entity, String.class).getBody();

}

@RequestMapping(value = "/template/products/{id}", method = RequestMethod.DELETE)

public String deleteProduct(@PathVariable("id") String id) {

HttpHeaders headers = new HttpHeaders();

headers.setAccept(Arrays.asList(MediaType.APPLICATION\_JSON));

HttpEntity<Product> entity = new HttpEntity<Product>(headers);

return restTemplate.exchange(

"http://localhost:8080/products/"+id, HttpMethod.DELETE, entity, String.class).getBody();

}

}