```java
package rest;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.data.domain.Page;
import org.springframework.data.domain.PageRequest;
import org.springframework.data.domain.Sort;
import org.springframework.http.HttpStatus;
import org.springframework.web.bind.annotation.CrossOrigin;
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.RestController;
import org.springframework.web.server.ResponseStatusException;

import io.swagger.v3.oas.annotations.Operation;

@RestController
@CrossOrigin
public class ProductsController {
    @Autowired
    private ProductRepo productRepo;

    @GetMapping("/products")
    @Operation(description = "Gets all products")
    public List<Product> getAllProducts() {
        return productRepo.findAll();
    }

    @DeleteMapping("/productByName/{name}")
    public void deleteProductByName(@PathVariable("name") String name) {
        var product = productRepo.findByName(name);
        if(product != null) {
            productRepo.delete(product);
        }
        else
            throw new ResponseStatusException( HttpStatus.NOT_FOUND,"Product name not found");
    }



    @GetMapping("/products/category/{category}")
    public List<Product> getProductsByCategory(
            @PathVariable("category") String category) {
        return productRepo.findByCategory(category);
    }
    @GetMapping("/costlyProducts")
    public List<Product> costlyProducts() {
        var page =   productRepo.findAll
                (PageRequest.of(0, 5, Sort.by("price").descending()));
        return page.getContent();
    }

    @GetMapping("/costlyProductsPage")
    @Operation(summary = "Get top most 5 costly products")
    public Page<Product> costlyProducts2() {
        return  productRepo.findAll
                (PageRequest.of(0, 5, Sort.by("price").descending()));
    }

}
```