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

import org.springframework.http.ResponseEntity;

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

import java.util.List;

@RestController

@RequestMapping("/products")

public class ProductController {

@Autowired

private ProductRepository productRepository;

// Create a product

@PostMapping

public Product createProduct(@RequestBody Product product) {

return productRepository.save(product);

}

// Get all products

@GetMapping

public List<Product> getAllProducts() {

return productRepository.findAll();

}

// Update a product

@PutMapping("/{id}")

public ResponseEntity<Product> updateProduct(@PathVariable Long id, @RequestBody Product productDetails) {

Product product = productRepository.findById(id)

.orElseThrow(() -> new ResourceNotFoundException("Product not found"));

product.setName(productDetails.getName());

product.setPrice(productDetails.getPrice());

final Product updatedProduct = productRepository.save(product);

return ResponseEntity.ok(updatedProduct);

}

}