a)

packagecom.ecommerce;

importorg.springframework.boot.SpringApplication;

importorg.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringBootStarterApplication {

public static void main(String[] args) {

SpringApplication.run(SpringBootStarterApplication.class, args);

}

}

b)

packagecom.ecommerce.entity;

importjava.math.BigDecimal;

importjava.util.Collection;

importjava.util.Date;

importjava.util.List;

importjava.util.Set;

importjava.util.Map;

public class EProduct {

private long ID;

private String name;

private BigDecimal price;

private Date dateAdded;

publicEProduct() {

}

public long getID() {return this.ID; }

public String getName() { return this.name;}

publicBigDecimalgetPrice() { return this.price;}

public Date getDateAdded() { return this.dateAdded;}

public void setID(long id) { this.ID = id;}

public void setName(String name) { this.name = name;}

public void setPrice(BigDecimal price) { this.price = price;}

public void setDateAdded(Date date) { this.dateAdded = date;}

}

c)

packagecom.ecommerce.exceptions;

public class ProductNotFoundException extends RuntimeException {

private static final long serialVersionUID = 1L;

}

d)

packagecom.ecommerce.controllers;

importorg.springframework.http.HttpStatus;

importorg.springframework.http.ResponseEntity;

importorg.springframework.web.bind.annotation.ControllerAdvice;

importorg.springframework.web.bind.annotation.ExceptionHandler;

importcom.ecommerce.exceptions.ProductNotFoundException;

@ControllerAdvice

public class EProductExceptionController {

@ExceptionHandler(value = ProductNotFoundException.class)

publicResponseEntity<Object> exception(ProductNotFoundException exception) {

return new ResponseEntity<>("Product not found", HttpStatus.NOT\_FOUND);

}

}

e)

packagecom.ecommerce.controllers;

importorg.springframework.stereotype.Controller;

importorg.springframework.web.bind.annotation.PathVariable;

importorg.springframework.web.bind.annotation.RequestMapping;

importorg.springframework.web.bind.annotation.RequestMethod;

importorg.springframework.web.bind.annotation.ResponseBody;

importcom.ecommerce.exceptions.ProductNotFoundException;

@Controller

public class MainController {

@RequestMapping(value = "/product/{id}", method = RequestMethod.GET)

@ResponseBody

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

if (id.contentEquals("0"))

throw new ProductNotFoundException();

return "Product was found";

}

}

