

```
package com.ecommerce;
```

```
import org.springframework.boot.SpringApplication;
```

```
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
```

```
public class SpringBootStarterApplication {
```

```
    public static void main(String[] args) {
```

```
        SpringApplication.run(SpringBootStarterApplication.class, args);
```

```
    }
```

```
}
```

```
package com.ecommerce.controllers;
```

```
import org.springframework.http.HttpStatus;
```

```
import org.springframework.http.ResponseEntity;
```

```
import org.springframework.web.bind.annotation.ControllerAdvice;
```

```
import org.springframework.web.bind.annotation.ExceptionHandler;
```

```
import com.ecommerce.exceptions.ProductNotFoundException;
```

```
@ControllerAdvice
```

```
public class EProductExceptionHandler {
```

```
    @ExceptionHandler(value = ProductNotFoundException.class)
```

```
    public ResponseEntity<Object> exception(ProductNotFoundException exception) {
```

```
        return new ResponseEntity<>("Product not found", HttpStatus.NOT_FOUND);
```

```
    }
```

```
}
```

```
package com.ecommerce.controllers;
```

```
import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.stereotype.Controller;
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.ResponseBody;
```

```
import com.ecommerce.entity.EProduct;
import com.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";
```

```
    }
```

```
}
```

```
package com.ecommerce.entity;
```

```
import java.math.BigDecimal;
```

```
import java.util.Collection;
```

```
import java.util.Date;
```

```
import java.util.List;
```

```
import java.util.Set;
```

```
import java.util.Map;
```

```
public class EProduct {
```

```
    private long ID;
```

```
    private String name;
```

```
    private BigDecimal price;
```

```
    private Date dateAdded;
```

```
    public EProduct() {
```

```
    }
```

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

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

```
    public BigDecimal getPrice() { 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;}
```

```
}
```

```
package com.ecommerce.exceptions;

public class ProductNotFoundException extends RuntimeException {
    private static final long serialVersionUID = 1L;
}
```

OUTPUT:

