

Spring Boot Exception Handling

EProduct.java

```
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;}

}
```

ProductNotFoundException.java

```
package com.ecommerce.exceptions;

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

}
```

EProductExceptionHandler.java

```
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);
    }

}
```

MainController.java

```
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";
```

```
    }
```

```
}
```