

1 SPRING BOOT EXCEPTION HANDLING

```
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;}
```

}

PRODUCT NOT FOUND

package com.ecommerce.exceptions;

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

}

EProductExceptionHandler class

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

```
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";
```

```
    }
```

```
}
```