**Phase-3 Practice Project: Assisted Practice -**

**1.Spring boot exception handling.**

**Source Code:**

**EProductExceptionController.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** EProductExceptionController {

@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";

}

}

**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;

}

**Output:**



