

```
1 package com.infosys.infypanda.dto;
2
3 import javax.validation.constraints.Min;
4
5 //Annotate the attributes of this class with appropriate annotations from Java Bean Validation API.
6
7 public class OrderDTO
8 {
9     @NotBlank(message = "{order.itemname.invalid}")
10     private String itemName;
11
12     @NotBlank(message = "{order.restraaurantname.invalid}")
13     private String restaurantName;
14
15     @Min(value= 1,message = "{order.quantity.invalid}")
16     private int quantity;
17
18     /**
19      * Gets the item name.
20      *
21      * @return the item name
22      */
23     public String getItemName() {
24         return itemName;
25     }
26
27     /**
28      * Sets the item name.
29      *
30      * @param itemName the new itemName
31      */
32     public void setItemName(String itemName) {
33         this.itemName = itemName;
34     }
35
36     /**
37      * Gets the restaurant name.
38      *
39      * @return the restaurant name
```

```

27 public class InfyPandaServiceImpl implements InfyPandaService
28 {
29     @Autowired
30     private ItemRepository itemRepository;
31
32     @Autowired
33     private RestaurantRepository restaurantRepository;
34
35     @Autowired
36     private OrderRepository orderRepository;
37
38     @Autowired
39     private Environment environment;
40
41     private static final String CANCELLED="CANCELLED";
42
43     //Implement this method as per the instructions given in Question Paper.
44     @Override
45     public List<RestaurantDTO> searchRestaurantsWithItemName(String itemName) throws InfyPandaException
46     {
47         Item item = itemRepository.findByItemNameIgnoreCase(itemName);
48         if(item == null)
49             throw new InfyPandaException(InfyPandaConstants.INFYPANDA_ITEM_NAME_INVALID.toString());
50         List<RestaurantDTO> restaurantList = new ArrayList<>();
51         List<Restaurant> restaurants = item.getRestaurants();
52         for(Restaurant restaurant: restaurants ) {
53             restaurantList.add(RestaurantDTO.valueOf(restaurant));
54         }
55
56         return restaurantList ;
57     }
58

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30
31 @GetMapping(value="/restaurants/{itemName}")
32 public List<RestaurantDTO> searchRestaurantsWithItemName(@PathVariable String itemName)
33     throws InfyPandaException{
34     List<RestaurantDTO> restaurants= infyPandaService.searchRestaurantsWithItemName(itemName.trim());
35
36     return restaurants;
37
38 }
39 @GetMapping(value="/items/{restaurantName}")
40 public List<ItemDTO> searchItemsByRestaurantName(@PathVariable String restaurantName) throws
41 InfyPandaException{
42     List<ItemDTO> item=infyPandaService.searchItemsByRestaurantName(restaurantName.trim());
43     return item;
44
45 }
46 @PostMapping(value = "/order")
47 public String placeOrder(@Valid @RequestBody OrderDTO orderDTO) throws InfyPandaException{
48     String successMessage=infyPandaService.placeOrder(orderDTO);
49     return successMessage;
50
51 }
52 @PutMapping(value="/order/{orderId}/{quantityNew}")
53 public String updateOrder(@PathVariable @Min(value = 1, message="{order.orderid.invalid}")
54 Integer orderId,
55 @PathVariable @Min(value = 1, message= "{order.quantity.invalid}") Integer quantityNew) throws InfyP
56 String successMessage=infyPandaService.updateOrder(orderId, quantityNew);
57 return successMessage;
58
59 }
60 @DeleteMapping(value="/order/{orderId}")
61 public String cancelOrder(@PathVariable @Min(value = 1, message="{order.orderid.invalid}")
62 Integer orderId) throws InfyPandaException{
63     String successMessage=infyPandaService.cancelOrder(orderId);
64     return successMessage;
65
66 }
67 }

```

```
1 package com.infosys.infypanda.controller;
2
3 import java.util.List;
4
5 //Implement this class as per the instructions given in Question Paper.
6 @RestController
7 @Validated
8 public class InfyPandaController {
9     @Autowired
10     private InfyPandaService infyPandaService ;
11
12     @GetMapping(value="restaurants/{itemName}")
13     public List<RestaurantDTO> searchRestaurantsWithItemName(@PathVariable String itemName)
14         throws InfyPandaException{
15         List<RestaurantDTO> restaurants= infyPandaService.searchRestaurantsWithItemName(itemName.trim());
16
17         return restaurants;
18     }
19
20     @GetMapping(value="items/{restaurantName}")
21     public List<ItemDTO> searchItemsByRestaurantName(@PathVariable String restaurantName) throws
22     InfyPandaException{
23         List<ItemDTO> item=infyPandaService.searchItemsByRestaurantName(restaurantName.trim());
24         return item;
25     }
26
27     @PostMapping(value = "/order")
28     public String placeOrder(@Valid @RequestBody OrderDTO orderDTO) throws InfyPandaException{
29         String successMessage=infyPandaService.placeOrder(orderDTO);
30         return successMessage;
31     }
32
33     @PutMapping(value="order/{orderId}/{quantityNew}")
34     public String updateOrder(@PathVariable @Min(value = 1, message="{order.orderid.invalid}") Integer quantityNew) throws Infy
35     Integer orderId,
36         @PathVariable @Min(value = 1, message= "{order.quantity.invalid}") Integer quantityNew);
37     String successMessage=infyPandaService.updateOrder(orderId, quantityNew);
38     return successMessage;
39 }
```