myRetail

**PRODUCT SERVICE API SPECIFICATION**

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# Overall implementation particulars

# Product Detail

Product name and price details will be retrieved via Service .The method will accept a <Id> which will be used to retrieve product details .The service returns the name, price and currency code for the product.

**GET**/products/{id}

## Input

|  |  |  |  |
| --- | --- | --- | --- |
| **ElementName** | **Required** | **DataType** | **Description** |
| id | R | Integer | Unique Product Id |

## Output

On success, Response Status Code: 200OK is returned along with a JSON response of the product details with name, price

|  |  |  |
| --- | --- | --- |
| **Element Name** | **DataType** | **Description/Comments** |
| id | Integer | Unique Product Id |
| name | String | Product Name |
| current\_price(ProductPrice) | Object | Holds the price details |
| value | Double | Price of the product |
| currency\_code | String | Price Currency |

## Error Code / Messages

Thefollowingtabledescribestheerrorcodes:

|  |  |
| --- | --- |
| **Status** | **Error Message** |
| 400 | Input is not a number |
| 400 | Input Number should be greater than 0 |
| 404 | No record found with id provided |
| 404 | No price record found with id |

## Sample Calls

### Success Scenario

*GET: http://localhost:8081/DemoProject/rest/products/15117729*

Response

HTTP Status Code: 200OK

{

"id": 15117729,

"name": " Apple&reg; iPad Air 2 16GB Wi-Fi - Gold",

"current\_price": {

"value": 28

"currency\_code": "USD"

}

}

### Error Scenario

Request

*GET: http://localhost:8081/DemoProject/rest/products/154444*

Response

"NO RECORD FOUND WITH ID PROVIDED"

# Update Price

Service to update the price of a product. Updates the price ,currency of a product

**PUT**/products/{id}

## Input

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Required** | **DataType** | **Description/Comments** |
| current\_price(ProductPrice) | R | Object | Holds the price details |
| value | R | Double | Price of the product |
| currency\_code | O | String | Price Currency |

## Output

On success, Response Status Code: 200 OK

## Error Code / Messages

Thefollowingtabledescribestheerrorcodes:

|  |  |
| --- | --- |
| **Status** | **Error Message** |
| 400 | Price should not be zero or less than zero |
| 400 | Input is not a number |
| 404 | No record found with id provided |
| 400 | Put request with null data not allowed |
| 400 | Input should be greater than 0 |

## Sample Calls

### Success Scenario

*PUT:*  [http://localhost:8081/DemoProject/rest/products/15117729](http://localhost:8080/product-web/api/v1/products/15117729)

{

"current\_Price": {

"currency\_Code": "USD",

"value": 28.5555

},

"id": 15117729,

"name": "Apple&reg; iPad Air 2 16GB Wi-Fi - Gold"

}

Response

"PRICE SUCCESSFULLY UPDATED"

### Error Scenario

Request

*PUT:*  http://localhost:8081/DemoProject/rest/products/15

{

{

"current\_Price": {

"currency\_Code": "USD",

"value": 24.5555

},

"id": 15,

"name": "Apple&reg; iPad Air 2 16GB Wi-Fi - Gold"

}

Response

"NO DOCUMENT FOUND WITH INPUT ID "