**TargetDemoApp**

The application is a spring boot application which exposes 3 services :

1.getProduct

2.addProduct

3.updateProduct

**Note : I have used an in memory database h2 which is the datastore for storing the product details.**

The h2 console can be accessed at : <http://localhost:8081/h2-console>

**1. Get Product**

HTTP GET

URL : <http://localhost:8081/products/1>

This api returns the product details of a particular productId from the datastore.

Sample Response:

{"id":"1",

"name":"RedMI Note 3",

"price":"123",

"currency":"USD"

}

**2. Add Product**

HTTP POST

URL : <http://localhost:8081/products>

This api is used to add a particular product to the datastore.

Request Payload:

{

"name" : "RedMi - Note9",

"currency" : "INR" ,

"price" : "224"

}

This api returns the newly created productId.

**3.Update product**

HTTP PUT

URL : <http://localhost:8081/products/3>

This api is used to update the details of a product with the given productId.

Sample Request:

{

"name" : "RedMi - Note9",

"currency" : "INR" ,

"price" : "225"

}

**Exception Handling:**

I have added exception handlers to handle exceptions which will be returning the response encapsulating the exception cause and the appropriate status code.

**JUnits**

I have created few jUnits for covering the service and repository classes.