READ ME

Steps to consume REST API.

1) By importing into eclipse as Maven project (mysql should be installed):
   A) Download / clone zip file from https://github.com/sudhirlthr/Flash-Sale-App.
   B) Extract downloaded zip file.
   C) Choose **import** option from Eclipse File Menu.
   D) Expand Maven and select **Existing Maven project** and click **Next**.
   E) In Next window click **Browse** button, go to extracted folder and then select folder which has been extracted from zip file (you can see **checked** option under projects).
   F) Click on Finish button (wait for sometime if any dependency is getting download).
   G) Right click imported **Falsh-Sale** project, go on Run As -> Java Application.
   H) In prompted window below Select type, write **FlashSaleApplication**, select filtered matched item and then **click ok** (you can see Spring Banner and application is starterd on port 8888).
   I) Go to browser type **http://localhost:8888/flash-sale.**
   J) To register a user please follow below format with URL with POST method http://localhost:8888/flash-sale/registerUser :

```
{
        "firstName":"Peter",
        "lastName":"Parker",
        "phone":"9897965953",
        "gender":"Male",
        "password":"123",
        "address":
         [
                {
                        "addressLine1": "Raheja Mindspace",
                        "addressLine": "Titus building, Hitech City",
                        "city": "Hyderabad",
                        "state": "Telangana",
                        "country": "India",
                        "pincode": 500081
                },
                {
                        "addressLine1": "Madhapur2",
                        "addressLine": "Ayyappa Societ2y",
                        "city": "Hyderabad2",
                        "state": "Telangana2",
                        "country": "India2",
                        "pincode": 5000332
                }
        ],
        "email":"email",
        "username":"peter"
}
```

   K) To see all registered users, use http://localhost:8888/flash-sale/usersList, with GET method type.
   L) To See all products use **http://localhost:8888/flash-sale/products/productList**
   M) To buy a product use http://localhost:8888/flash-sale/buy/ with method type as POST and below format which mapped to user and product:

```
{
        "order":[
                {
                        "username":"sudhir",
                        "productid": 4,
                        "numberOfItemPurchased":1

                },
                {
                        "username":"sudhir",
                        "productid": 6,
                        "numberOfItemPurchased":1

                }
        ]
}
```

In above requested usename and password od registered user must be present in in Authorization tab of Postman, because only registered user can buy product or products with their quanity.

N) To know ordered products by a user use
   http://localhost:8888/flash-sale/myOrderedProducts

username should be either passed in body or user should be logged in previously so that it can read from `Authentication`.

2) By Jar file:
   A) Go to https://github.com/sudhirlthr/Flash-Sale-App/blob/master/Flash-Sale/target/Flash-Sale-1.0.0-RELEASE.jar
   B) Click on **Download** option.
   C) Go to downloaded folder from your **Terminal or Command Prompt (cmd)**.
   D) In terminal type **java -jar Flash-Sale-1.0.0-RELEASE.jar** (downloaded jar name) then enter.
   E) To check App is working : hit **curl http://localhost:8888/flash-sale** from terminal, where you will see **Flash-Sale greeting** as a response message.
   F) Follow **above J** and **N** option to access and place order.
   G) To stop use Ctrl + c in terminal.