

How to run

- Import the project and build. Or use bundled jar. **Requires Java 17+**
- Make a call to the `http://localhost:8080/customer/new`
- Use the `customerId` returned in the above call and make a call to **`http://localhost:8080/customer/<customerId>/order`** with proper payload
- **Required hardcoded token is: YS10b3Rhbgx5LWxlZ2l0LXRva2VuLXRydXN0LW1l**
 - Header name: Authorization
 - Value: YS10b3Rhbgx5LWxlZ2l0LXRva2VuLXRydXN0LW1l
- Postman requests
 - <https://www.getpostman.com/collections/4bb7e784c33cf14abed2>

Endpoints

| Endpoint | Method | Authorization | Request | Response | Comments |
|---|--------|---|--------------|-----------------|--|
| /menu | GET | Base 64 encoded Hardcoded token for dummy use | NA | Menu | For getting the Menu items |
| /customer/new | POST | Base 64 encoded hardcoded token for dummy use | NA | Customer Object | For creating new customer |
| /customer/<customerId>/order | POST | Base 64 encoded hardcoded token for dummy use | OrderRequest | OrderResponse | For creating a new order for a particular customer |
| /customer/<customerId>/order/<orderId> | PUT | Base 64 encoded hardcoded token for dummy use | OrderRequest | OrderResponse | For updating any order |

Request and Response Models

Menu:

```
{
  "item": [
    {
      "itemName": "Hamburger",
      "price": 5.0
    }
  ]
}
```

Customer:

```
{
  "id": "784374837438"
}
```

OrderResponse:

```
{
  "orderId": "UUID string",
  "status": "SUCCESS",
  "message": "Order placed successfully"
}
```

OrderRequest:

```
{
  "amount": 32.40,
  "amountBeforeOffers": 43.0,
  "item": [
    {
      "itemName": "Hamburger",
      "price": 5.0,
      "quantity": 3,
      "type": "BURGER"
    }
  ],
  "discount": [
    {
      "code": "BURGER_FRY",
      "desc": "Burger fries drink meal",
      "discountValue": 2.0,
      "quantity": 2
    },
    {
      "code": "BURGER_FRY_DESERT",
      "desc": "Burger fries drink desert",
      "discountValue": 3.0,
      "quantity": 1
    }
  ]
}
```

Database and ORM

- Spring JPA with h2 database
- Console can be accessed at <http://localhost:8080/h2-console/>

What's not done

- HATEOAS implementation.
- Unit testing