**Taco Loco Service**

**Architecture:** Micro service

**Technologies:** Java Spring boot

Please follow below steps to build, and run the taco loco service.

**Repository:** Source code is available in Github under the path <https://github.com/Divya-Reddy05/taco_loco>.

**Build:**

**Prerequisites:** Java, Maven

**Steps:**

1. Navigate Taco loco source and run below commands to generate the JAR file (JAR will be generated under target folder)

**mvn clean package** (or) **mvn clean install**

**Running application:**

1. Execute below command to run the application in default port (8080)

**java -jar target/taco-loco-1.0.jar**

1. To customize the server port add below command to above

-Dserver.port=8123 (use any port in the place of 8123)

**Postman collections link:**

<https://www.getpostman.com/collections/c8579e86384d97862114>

**API Details**

**API :** /api/makeOrder

**HTTP Verb :** POST

**Headers :** Content-Type: application/json

Accept: application/json

**Request body :**

[

{

"itemName":"Veggie Taco",

"itemQty":1

},

{

"itemName":"Chicken Taco",

"itemQty":1

},

{

"itemName":"Beef Taco",

"itemQty":1

},

{

"itemName":"Chorizo Taco",

"itemQty":1

}

]

**Response:**

{

"totalItems": 4,

"totalPrice": "$12.0",

"discountPrice": "$2.4",

"netPrice": "$9.6",

"orderedItems": [

{

"itemName": "Veggie Taco",

"itemQty": 1,

"itemPrice": "$2.5"

},

{

"itemName": "Chicken Taco",

"itemQty": 1,

"itemPrice": "$3.0"

},

{

"itemName": "Beef Taco",

"itemQty": 1,

"itemPrice": "$3.0"

},

{

"itemName": "Chorizo Taco",

"itemQty": 1,

"itemPrice": "$3.5"

}

]

}

**Addons:**

Few addons were considered while implementing the service:

1. **Actuator** configured to know the application health and metrics
2. **Meta data API** to identify the deployed service details like api version, build version
3. Restricting HTTP verbs to **GET, POST, PUT, TRACE, OPTIONS**
4. Support to customize the tomcat server properties (Modified server name in the service)
5. Categorized **custom exceptions and handlers (**Ex; Base, Business, Data format, Http, Service exceptions)

**Note:** Postman collection contains actuator API’s to know the metrics and health info of the application in addition to make order and metadata API.