

Assumptions Made for Assignment

Assumption 1: user knows the restaurant he want to order from

Assumption 2: user don't know the cost of total items he order, he might know cost of individual item from the catalogue of items in the restaurant (total cost must be calculated from the application)

Working of Application

GET - <http://localhost:8080/restaurants>

The get request will return all the available restaurants in the application

Assumption 3: here I assumed that start of app 2 restaurants are there one have just signed up not added any items and others is from long running

```
[
  {
    "id": 1,
    "name": "fromOld",
    "itemsList": [
      {
        "id": 1,
        "name": "noodles",
        "cost": 200
      },
      {
        "id": 2,
        "name": "dosa",
        "cost": 300
      }
    ]
  },
  {
    "id": 2,
    "name": "justSigned",
    "itemsList": null
  }
]
```

POST- <http://localhost:8080/restaurants/add>

We can Add any restaurant with some name, some items can be null ,some id.

This post request adds restaurant and user can see this restaurant from the get request <http://localhost:8080/restaurants>

GET-<http://localhost:8080/restaurants/{restaurantName}/items>

This returns the items from the desired restaurantName in json format

```
[
  {
    "id": 1,
    "name": "noodles",
    "cost": 200
  },
  {
    "id": 2,
    "name": "dosa",
    "cost": 300
  }
]
```

POST-<http://localhost:8080/restaurants/{restaurantName}/addItem>

We can Add any item with some name, some cost ,some id.

This post request adds item and user can see this items from the get request <http://localhost:8080/restaurants/{restaurantName}/items>

GET-<http://localhost:8080/orders>

This returns the all orders ordered from different restaurant

Assumption 4: there one order present at start of application

```
[
  {
    "restaurantName": "indian",
    "items": [
      "noodles",
      "dosa"
    ],
    "cost": 500
  }
]
```

POST-<http://localhost:8080/orders/addOrder>

This allows users to order from desired restaurant name and can add any items in the list items and cost is being calculated by the application itself.

Restaurant name can be seen from get request

<http://localhost:8080/restaurants>

Items from -<http://localhost:8080/restaurants/{restaurantName}/items>