API Documentation

The users of these APIs can be both customers who want details of restaurants, menus and menu items as well as restaurant owners who wish to add and update the restaurant, menu and item details.

Endpoints –

1. /restaurant –

**GET** – Retrieves all the restaurant’s details - /restaurant

Usage – When you want to retrieve all the restaurants details use this API.

**POST** – Inserts a new restaurant into the restaurant table. The name must be specified as parameter - /restaurant?name=Zappos+Café&location=Las+Vegas

Usage – When you want to add a new restaurant into the database use this API.

**DELETE** – Deletes the given restaurant. /restaurant?name=Zappos+Café&location=Las+Vegas

Usage – When you want to delete a specific restaurant use this API.

1. /restaurant/menu-

**GET** – Retrieves all the menu types of the given restaurant - /restaurant?name=Zappos?Cafe&location=Las+Vegas

Usage – When you want to retrieve all the menus of a specific restaurant use this API.

**POST** – Inserts a new menu type into the menu table of the restaurant. The name of the restaurant and the type of the menu must be specified as parameters. - /restaurant/menu?name=Zappos+Café&location=Las+Vegas&type=Lunch

Usage– When you want to add a new menu to a specific restaurant use this API.

**DELETE** – Deletes the menu specified. /restaurant/menu?name=Zappos+Café&location=Las+Vegas&type=Lunch

Usage – When you want to delete a specific menu type from a restaurant use this API.

1. /restaurant/menu/item –

**GET** – Retrieves all the items of a given restaurant and the type of menu - /restaurant/menu/item?name=Zappos+Café&location=Las+Vegas&type=Lunch

Usage– When you want to retrieve all the items of a particular menu from a particular restaurant.

**POST** – Inserts a new menu item for a given restaurant name and menu type –

/restaurant/menu/item?name=Zappos+Café&location=Las+Vegas&type=Lunch&item=Pasta&price=50

Usage – When you want to add a new menu item to the menu of a particular restaurant.

**PUT** –Updates the price of the menu item - /restaurant/menu/item?name=Zappos+Café&location=Las+Vegas&type=Lunch&item=Pasta&price=50

Usage **–** When youwantto change the price of the menu item.

**DELETE** – Deletes the item from the restaurant’s menu of given type –

/restaurant/menu/item?name=Zappos+Café&type=Lunch&item=Pasta

Usage – When you want to delete a menu item from the menu of a particular item.

Technologies -

1) Python 3.6.4

2) Flask 0.12.2

3) sqlalchemy 1.2.2

How to get this up and running –

Install python3

Install flask using command - pip3 install Flask

Install SQLalchemy using command - pip3 install SQLalchemy

run the file online\_food\_ordering.py - python3 online\_food\_ordering.py

The server should be up and running on the port specified i.e 5000

In another terminal run the file tests.py - python3 tests.py

All tests should pass!

You can test out the API with your own custom input by using POSTMAN.