MINI PROJECT
(2021-2022)

FOODIES HUB

REPORT

Institute of Engineering & Technology

Submitted by-

Tarun (181500756)

Naman Gupta (181500410)

Amber Srivastava (181500082)

Deepanshu Gupta (181500207)

Nitin Pratap Singh (181500436)

Supervised by-

Mr. Anand Gupta
Technical Trainer
Department of Computer Engineering & Applications

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Abstract

In this mini project, we are building a website using Django, HTML5, CSS3, JavaScript and Bootstrap. After creating this website it will be hosted on pythonanywhere.com .

It will be a non-profit website, which can be used by everyone.

This website will solve the problem of those people who wants to promote their services online and people who wants to order food online, as this website will save their time to find each other and also the deal can be done on a good price.

HTML5, CSS3, JavaScript and Bootstrap makes it possible to design a good UI for the users which is easy to use.

Django is used to implement the backend of the website. It delivers users the functionality to login, logout, register, email verification, searching, list food items, upload items and order them.

Introduction

The Foodies Hub is a web-based (website) project, which provides solution to the people who want to sell or order food items. This website is being developed for sellers who wants to promote their business by selling their food items at good price and the buyer who wants to order these food products in their budget. The traditional pattern for selling/ordering food items can become a very complex task and time consuming and totally dependent on manual searching technique. After keep in mind all these problems. We make our site that can solve all those problems of such customers easily in an elegant & efficient manner.

Hardware Requirements

- 4GB Ram or higher
- A decent processor
- Windows 8 or higher

Technology Requirements

- Python 3.8
- Django 3.1
- HTML5
- CSS3
- JavaScript
- Bootstrap
- Font Awesome Icons
- Postgresql
- Django Rest Framework

Objectives

- Provides an interactive interface with the help of Html, CSS, JavaScript and Bootstrap behaves in a sufficient manner that is easy to use and understand.
- All the information regarding food items and users applied online.
- Provide an advanced feature for order management.
- Provide a secured environment for accessing database wherever necessary.
- Provide a module to update the order information.
- To store details of the buyers and sellers.

Implementation Details

- **Part 1: To build Home page.**

With the use of HTML5, CSS3, JavaScript, Bootstrap and Font awesome icons we will design the home page which will be having a carousel and navigation bar.

- **Part 2: To design Login and Signup form in Django.**

With the help of Django, HTML5, CSS3, JavaScript and Bootstrap we will design the login and signup form. These forms will also be having the server side validation. After validation the data will be used for further use.

- **Part 3: To implement Login, Signup and Logout.**

This will be implemented with Django only. After validating the data from Signup form we will be saving the data in database and after doing so we will register the user.
After validating data from Login form the user will be logged in to the server.
A logout button will be provided, so whenever user wants to logout, it can be done by pressing the button.

- **Part 4: To implement the e-mail verification of user.**

At the time of signup an e-mail with a link is sent to the user's email address. That link is used to verify the user's mail address. When user will click on that link the user's mail address will be verified**.**

- **Part 6: To build a Shop page.**

With the use of Django, HTML5, CSS3, JavaScript, Bootstrap and Font awesome icons we will design the shop page which will be having search bar to search products, and list of searched products.

- **Part 7: To build a Food Items page.**

With the use of Django, HTML5, CSS3, JavaScript, Bootstrap and Font awesome icons we will design the order view page which will be having product title, image, descriptions.

- **Part 8: To implement comment feature.**

With the help of Django we will implement the comment on products feature.

- **Part 9: To implement cart and checkout feature.**

With the use of Django, HTML5, CSS3, JavaScript, Bootstrap and Font awesome icons we will design the food gallery and checkout feature (checkout feature will not be having any payment partner) which will be having all the details of logged in user, editing the profile detail and list of all the products purchased/uploaded by the user**.**

- **Part 10: Created APIs for different functionality.**

We created five APIs for five different models i.e, Food, Order, Shop, Food Comment, All Food, to deal with them and this is achieved by using Django Rest Framework.

Progress

Part 1 is completed.

Part 2 is completed.

Part 3 is completed.

Part 4 is completed

Part 5 is completed

Part 6 is completed

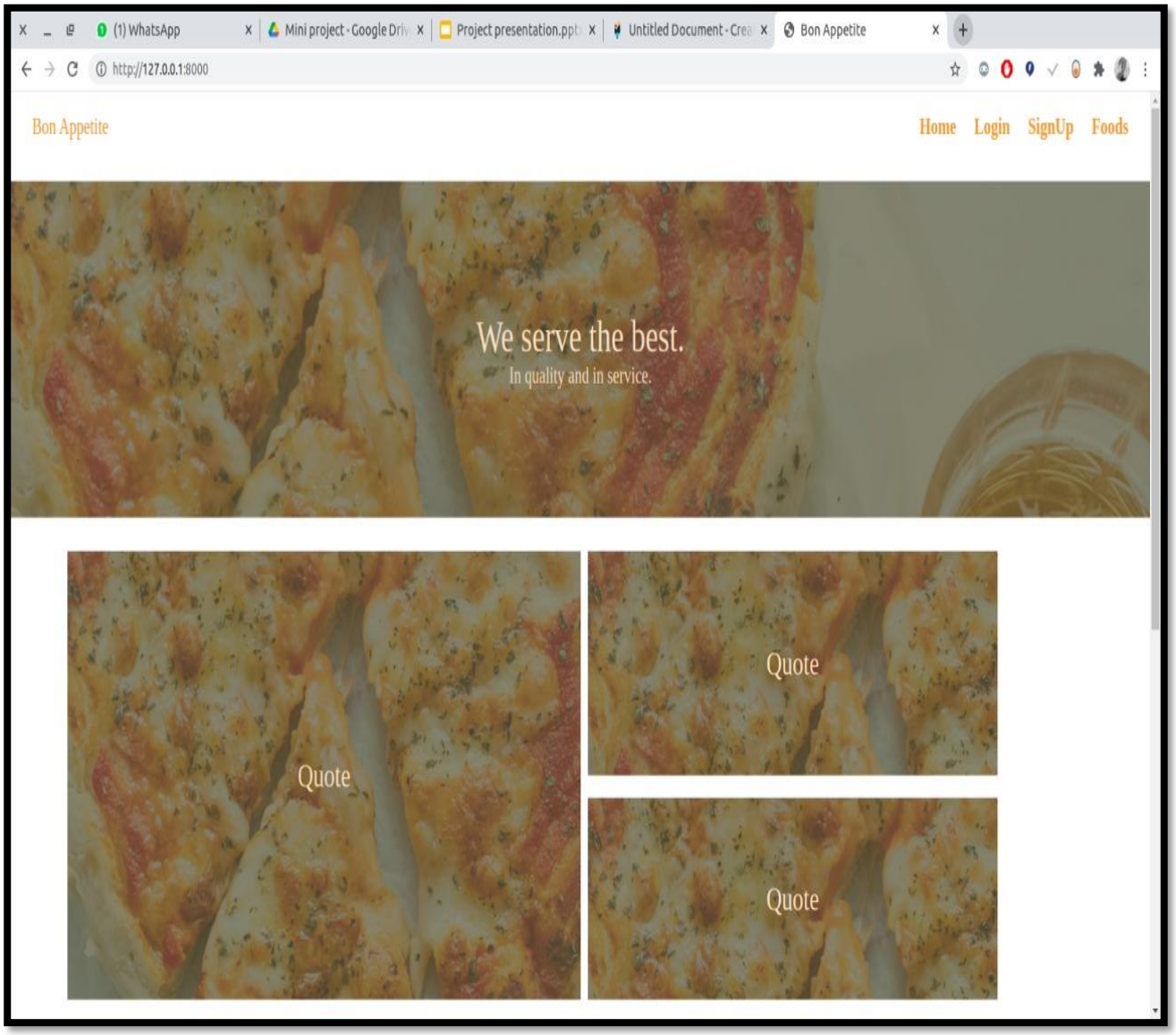
Part 7 is completed

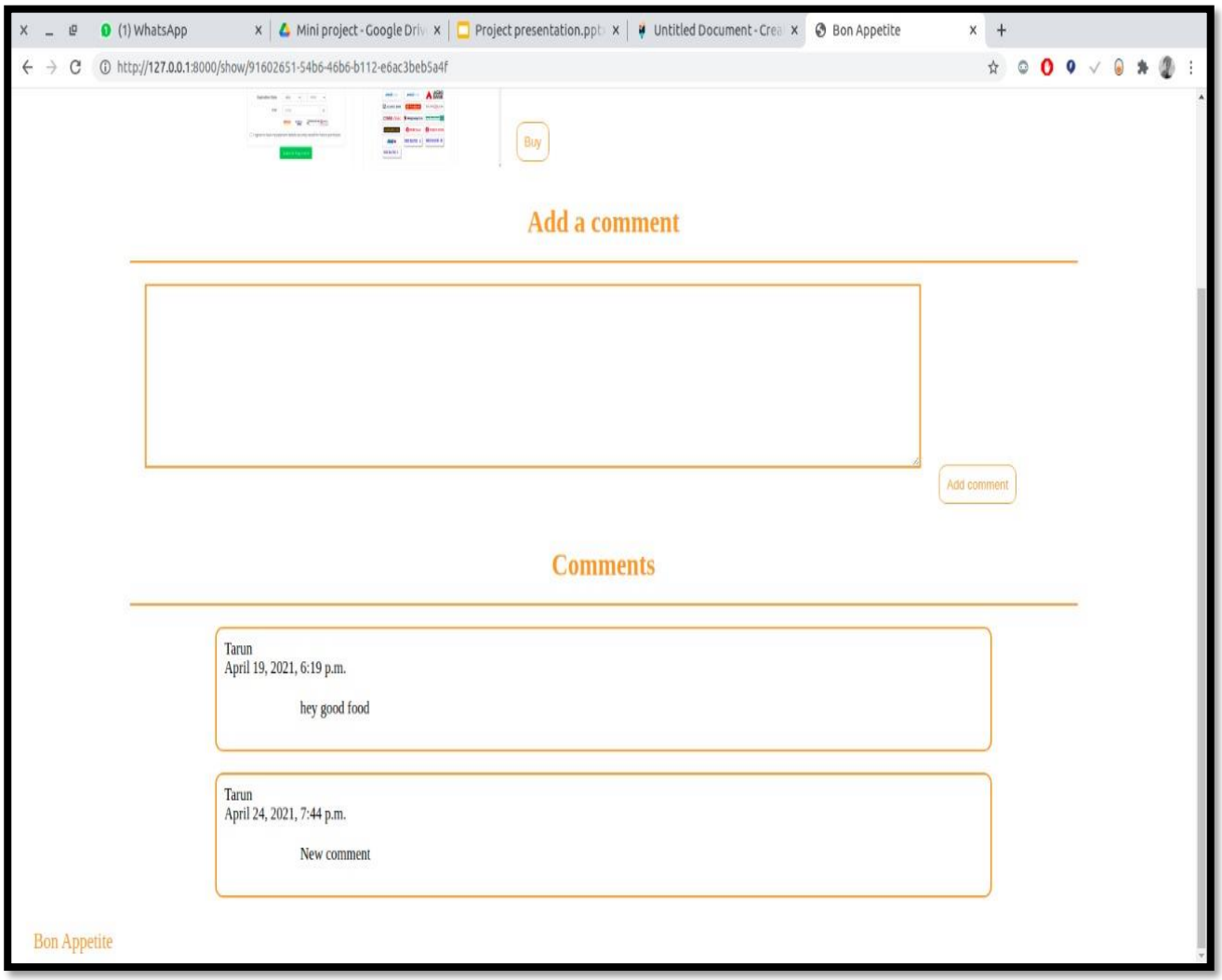
Part 8 is completed

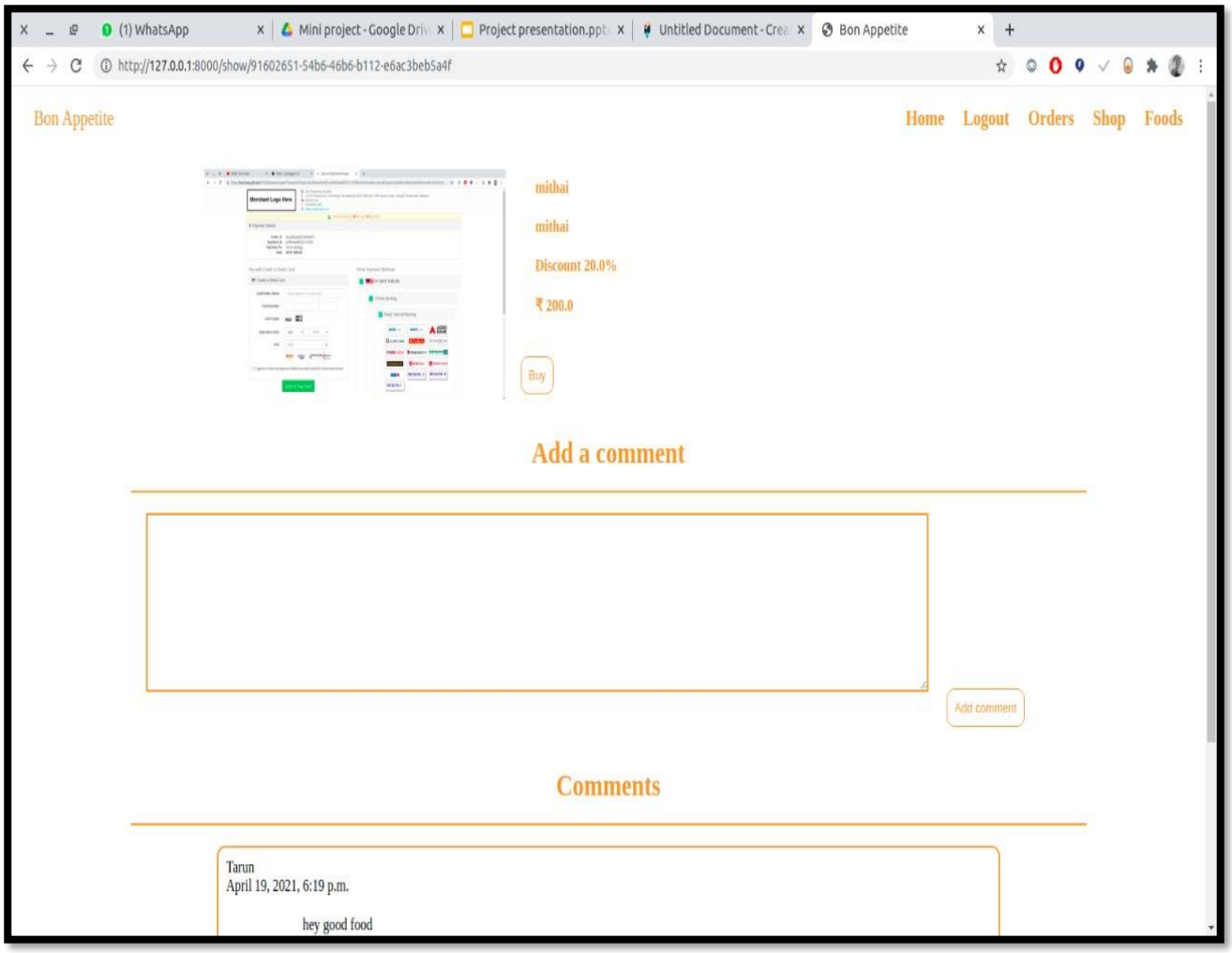
Part 9 is completed

Part 10 is completed

Screenshots




(1) WhatsApp
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000/show/91602651-54b6-46b6-b112-e6ac3beb5a4f
Buy
Add a comment
Add comment
Comments
Tarun
April 19, 2021, 6:19 p.m.
hey good food
Tarun
April 24, 2021, 7:44 p.m.
New comment
Bon Appetite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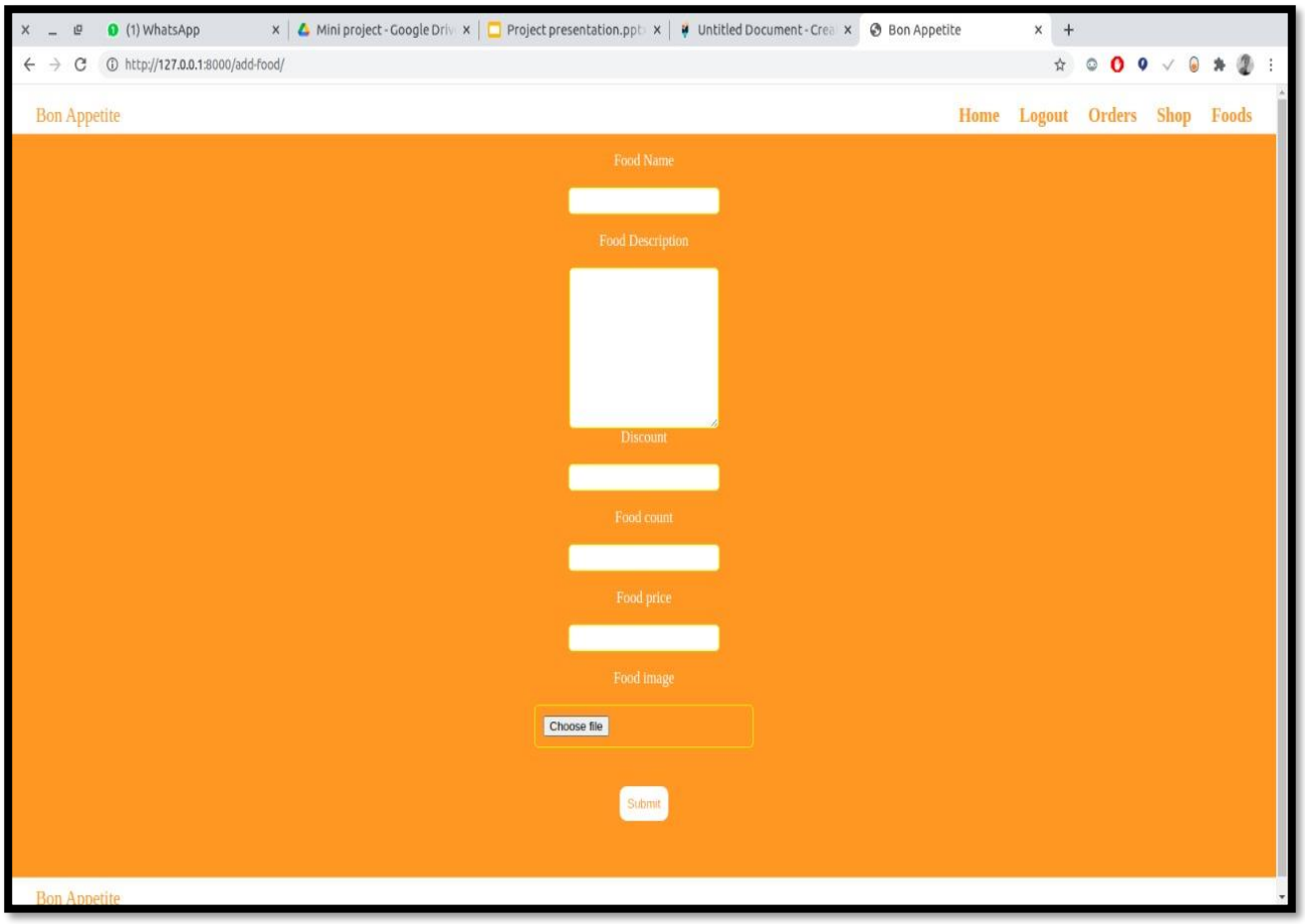
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000/show/91602651-54b6-46b6-b112-e6ac3beb5a4f
Bon Appetite
Home
Logout
Orders
Shop
Foods
mithai
mithai
Discount 20.0%
₹ 200.0
Buy
Add a comment
Add comment
Comments
Tarun
April 19, 2021, 6:19 p.m.
hey good food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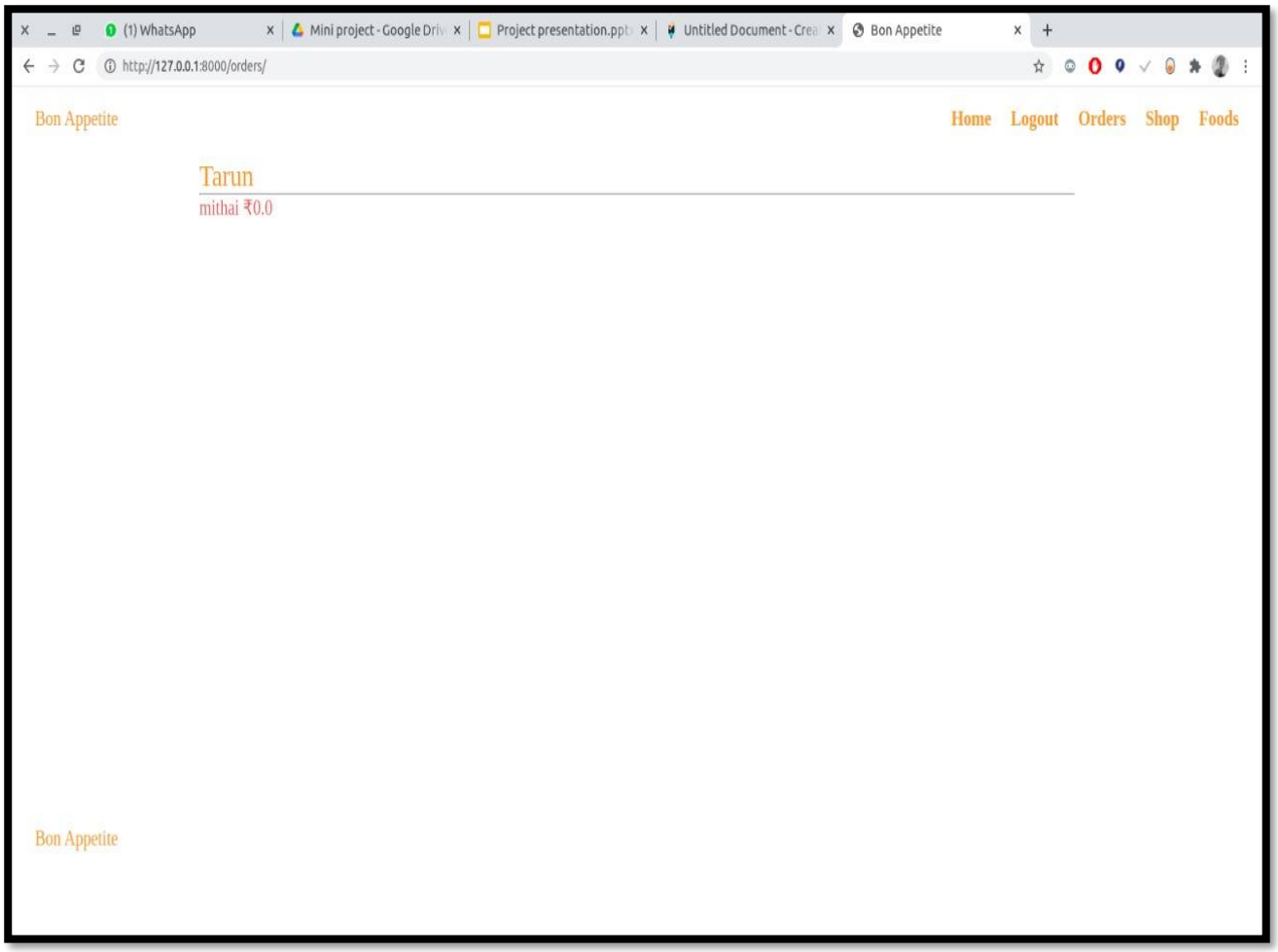
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000/add-food/
Bon Appetite
Home
Logout
Orders
Shop
Foods
Food Name
Food Description
Discount
Food count
Food price
Food image
Choose file
Submit
Bon Appetite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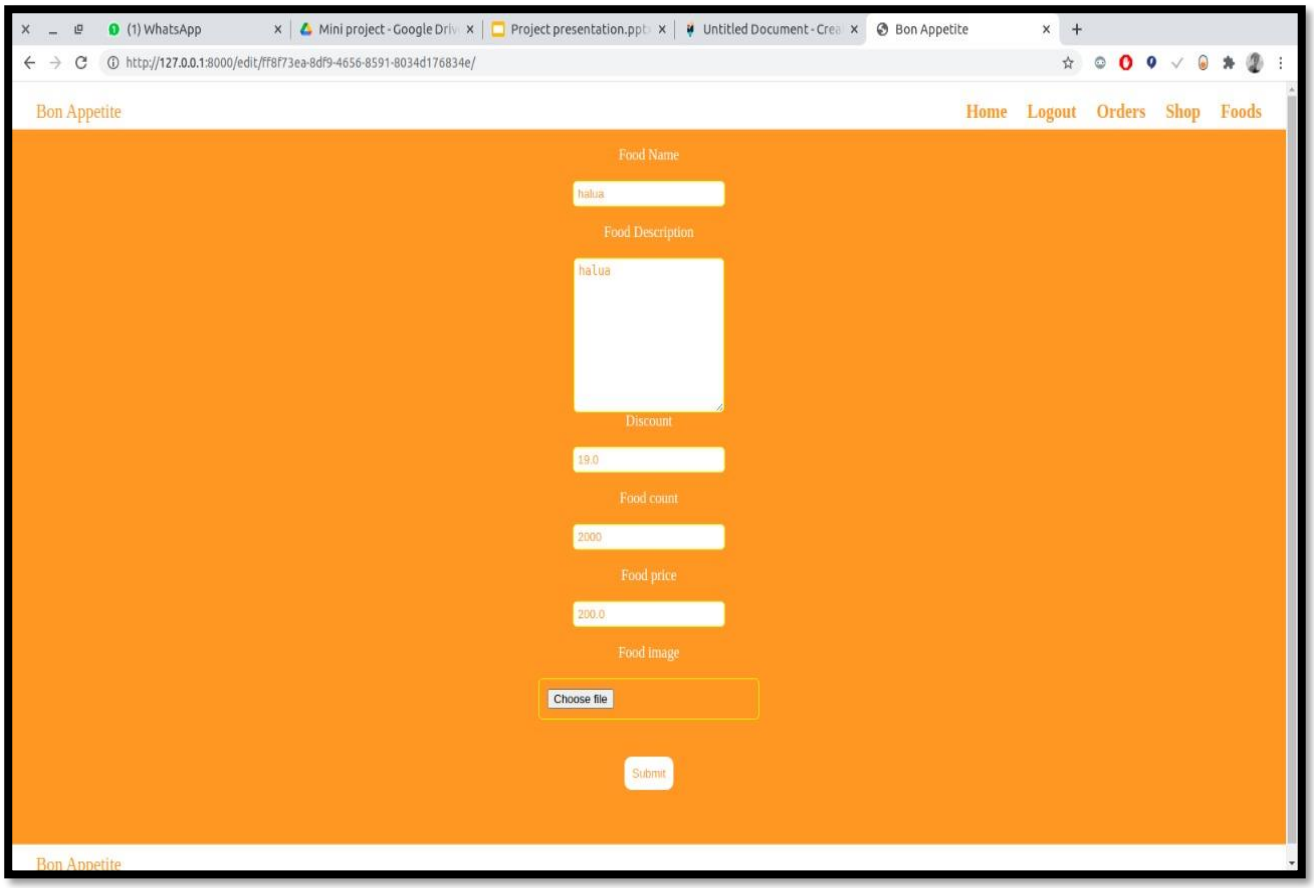
Bon Appetite
http://127.0.0.1:8000/orders/
Bon Appetite
Home Logout Orders Shop Foods
Tarun
mithai ₹0.0
Bon Appetite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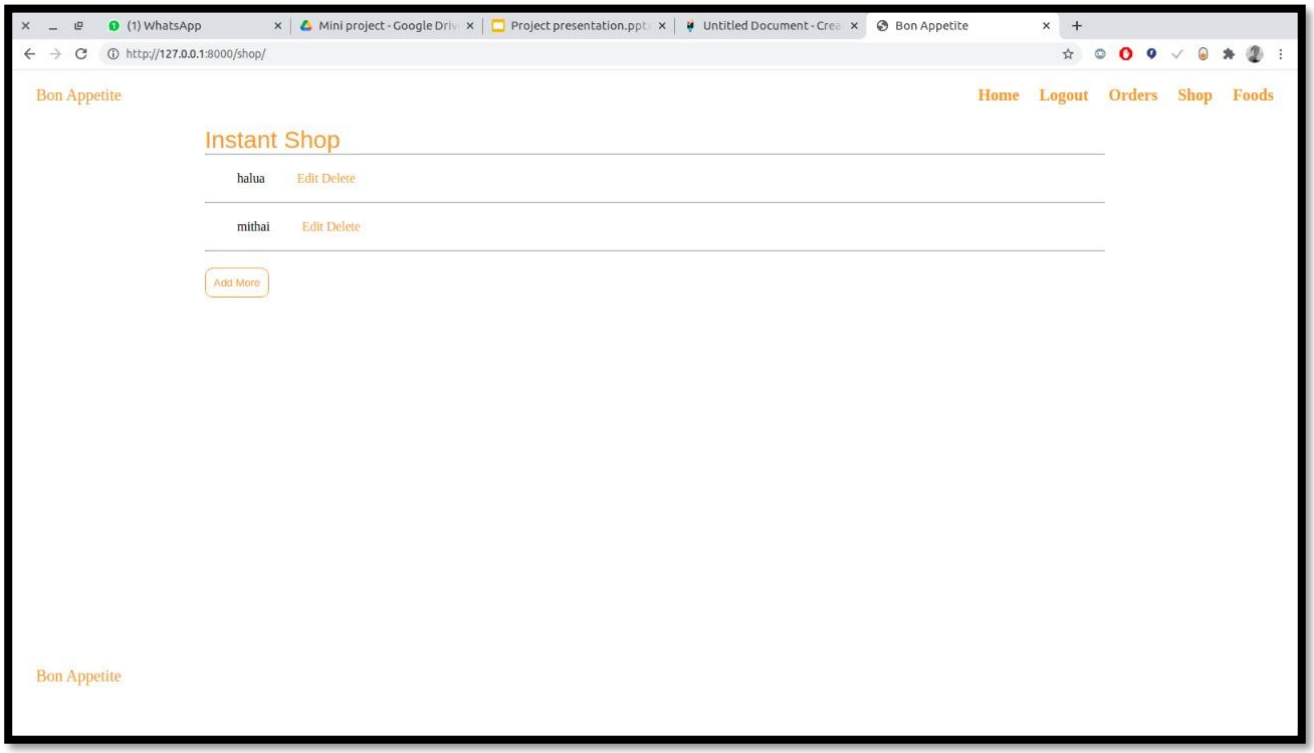
Bon Appetite
http://127.0.0.1:8000/edit/ff8f73ea-8df9-4656-8591-8034d176834e/
Bon Appetite
Home Logout Orders Shop Foods
Food Name
halua
Food Description
halua
Discount
19.0
Food count
2000
Food price
200.0
Food image
Choose file
Submit
Bon Appetite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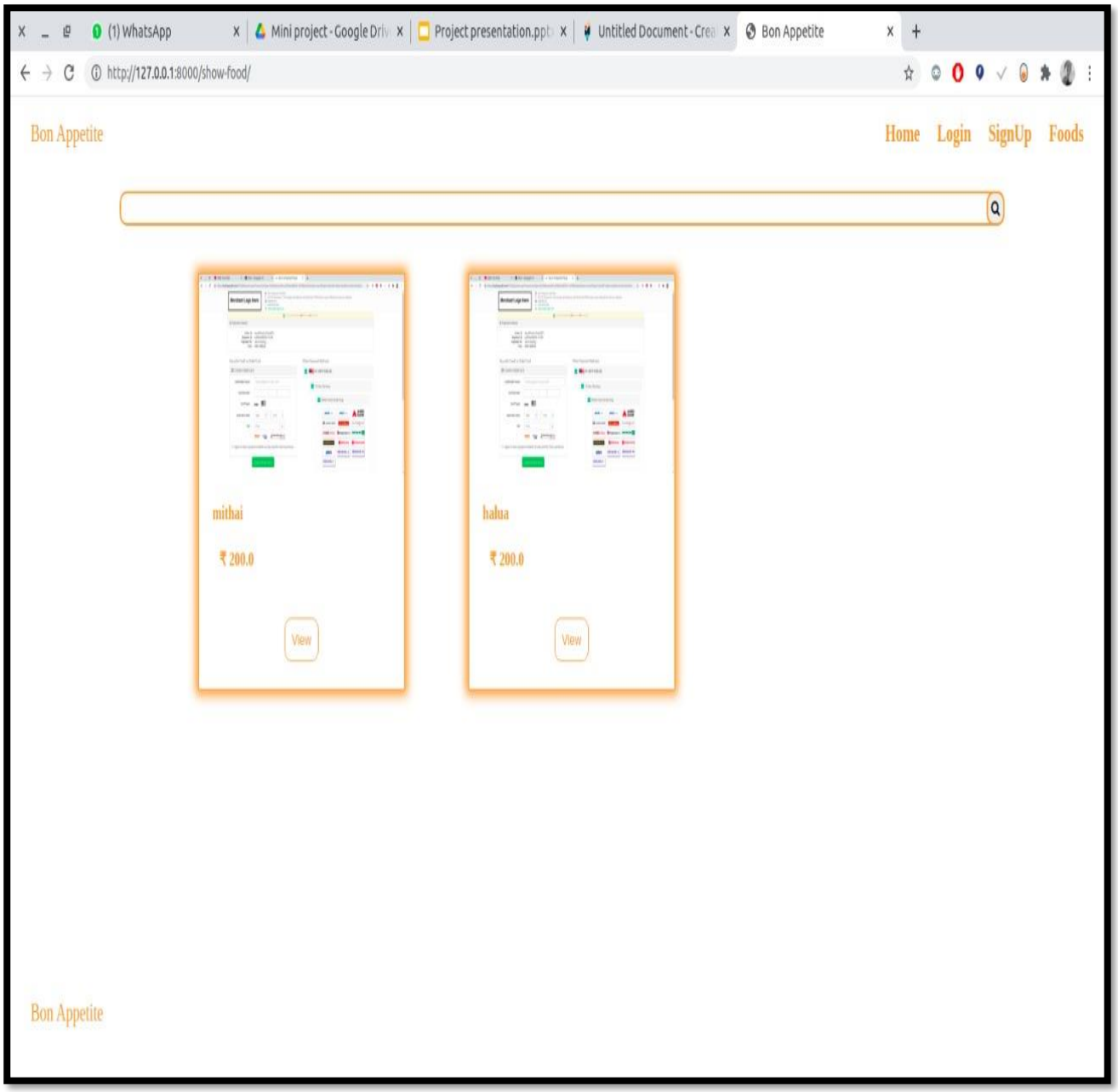
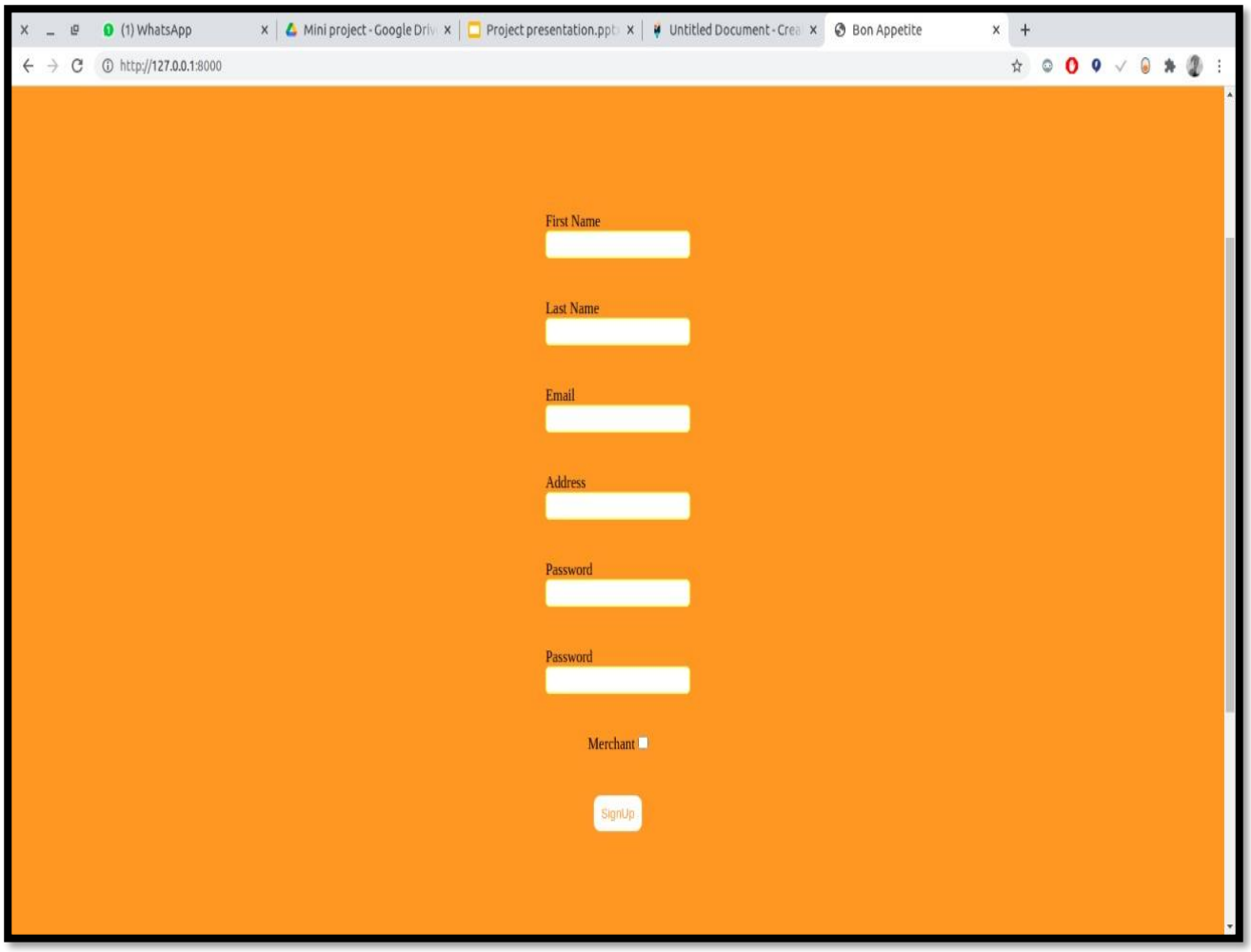
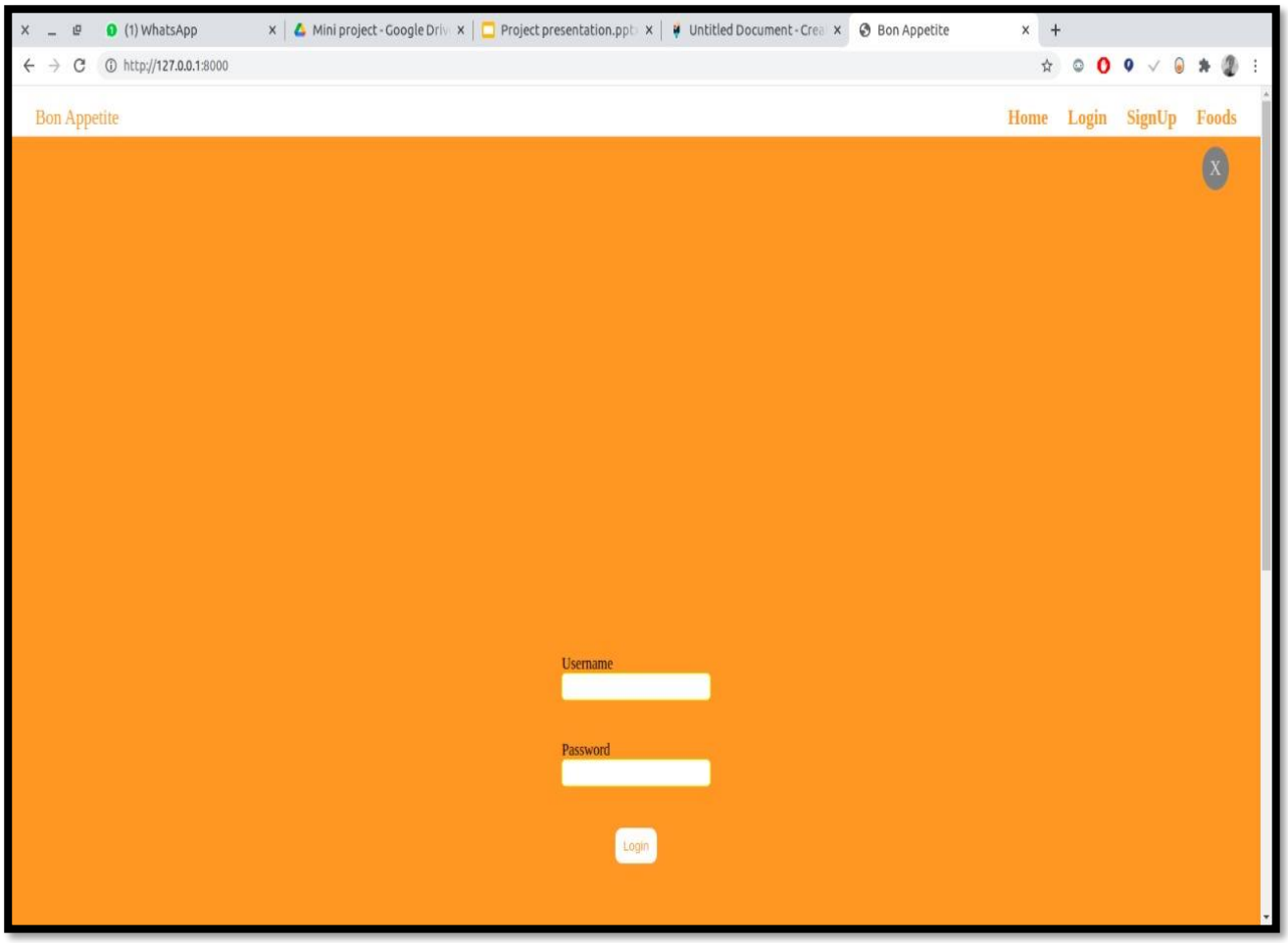
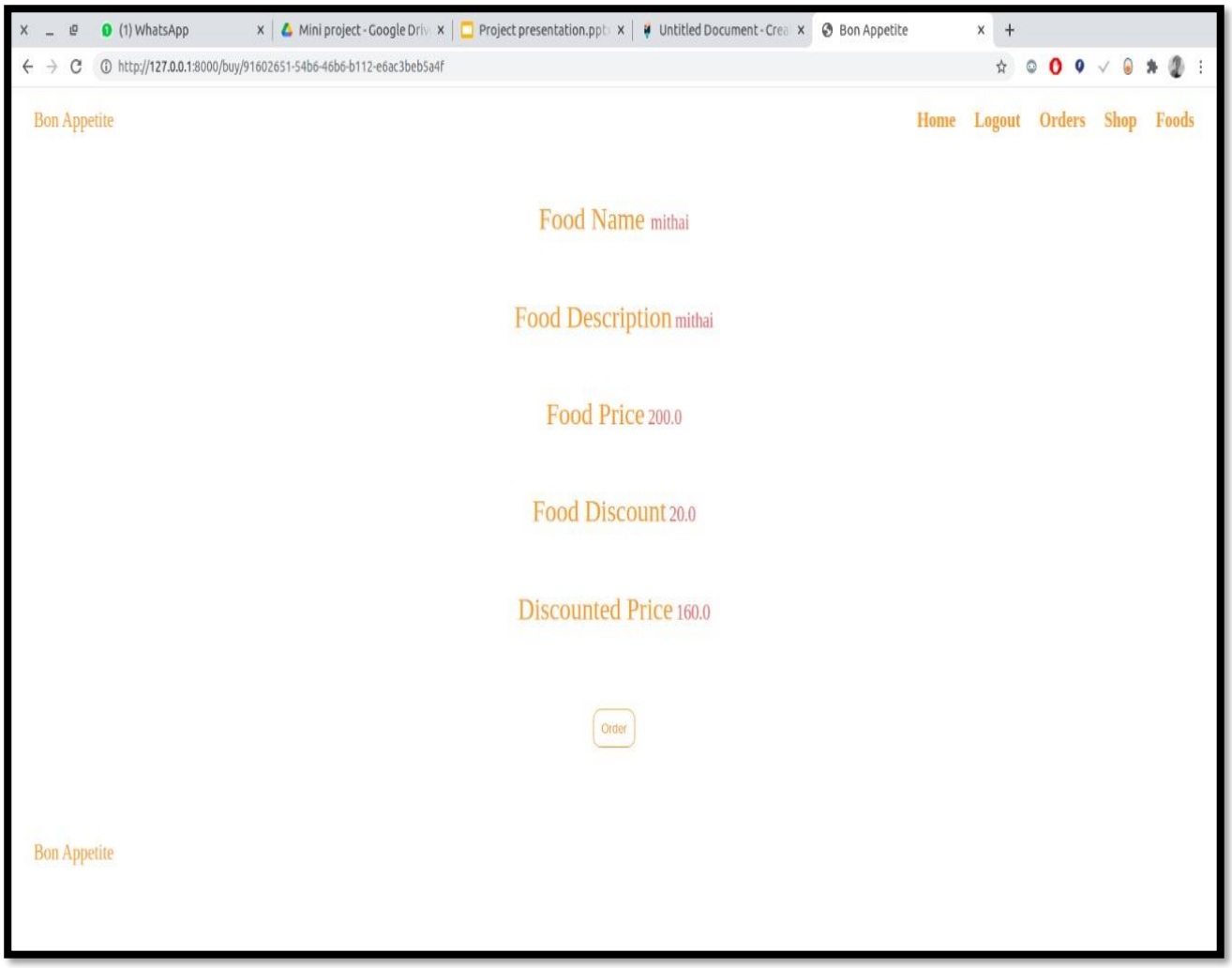
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000/shop/
Bon Appetite
Home Logout Orders Shop Foods
Instant Shop
halua Edit Delete
mithai Edit Delete
Add More
Bon Appetite


(1) WhatsApp
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000/show-food/
Bon Appetite
Home
Login
SignUp
Foods
mithai
₹ 200.0
View
halua
₹ 200.0
View
Bon Appetite

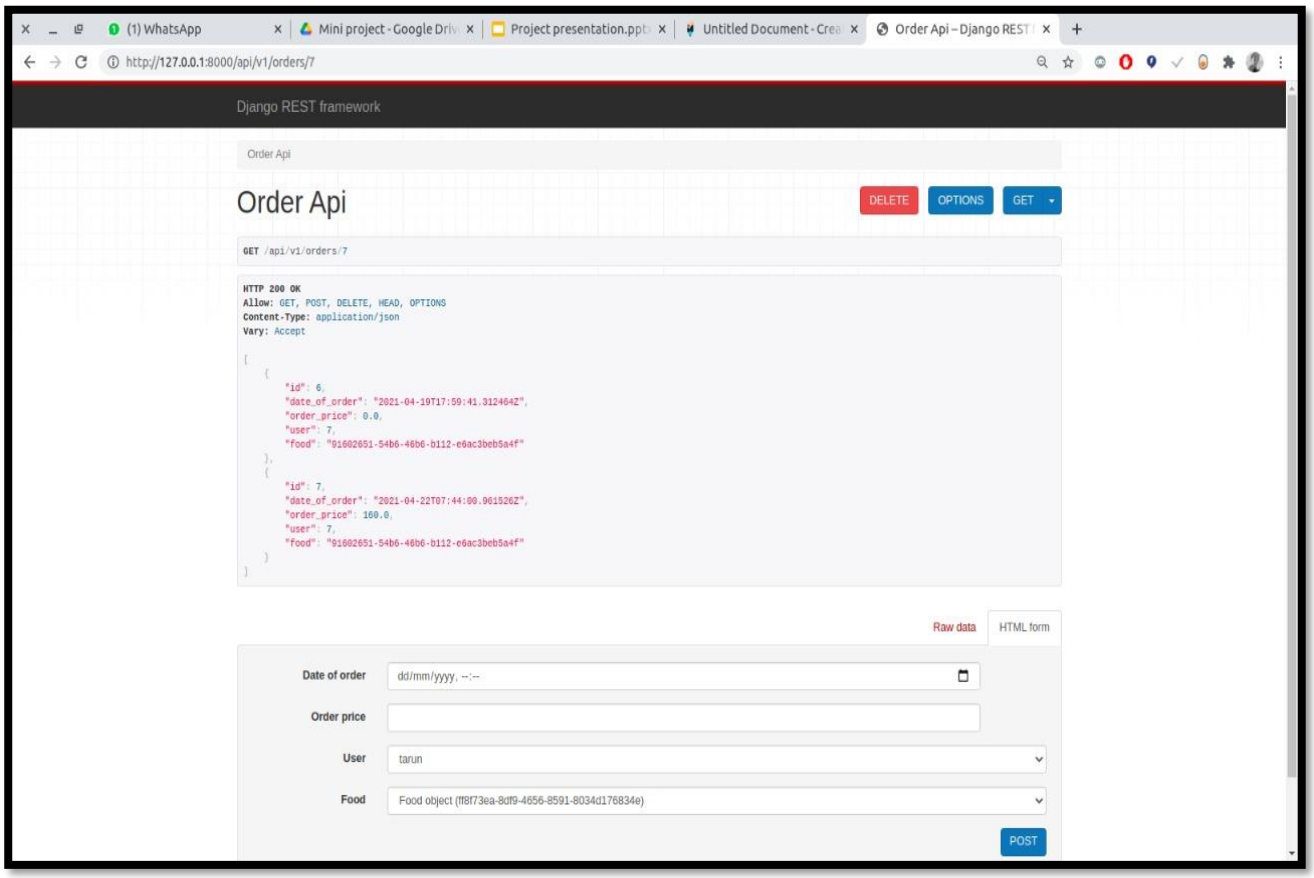

(1) WhatsApp
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000
First Name
Last Name
Email
Address
Password
Password
Merchant
SignUp


(1) WhatsApp
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000
Bon Appetite
Home
Login
SignUp
Foods
X
Username
Password
Login

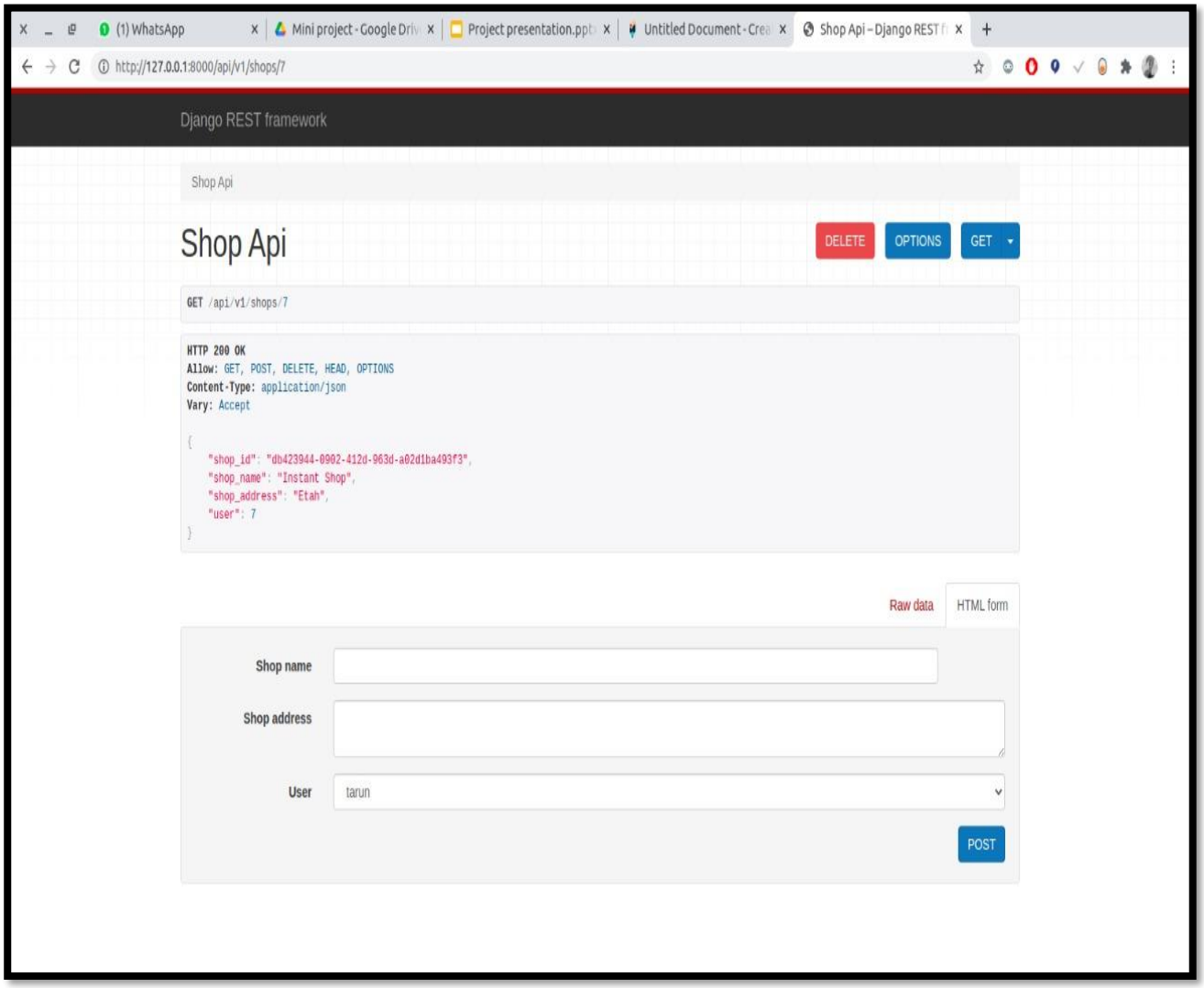

(1) WhatsApp
Mini project - Google Driv
Project presentation.ppt
Untitled Document - Crea
Bon Appetite
http://127.0.0.1:8000/buy/91602651-54b6-46b6-b112-e6ac3beb5a4f
Bon Appetite
Home Logout Orders Shop Foods
Food Name mithai
Food Description mithai
Food Price 200.0
Food Discount 20.0
Discounted Price 160.0
Order
Bon Appetite

APIs

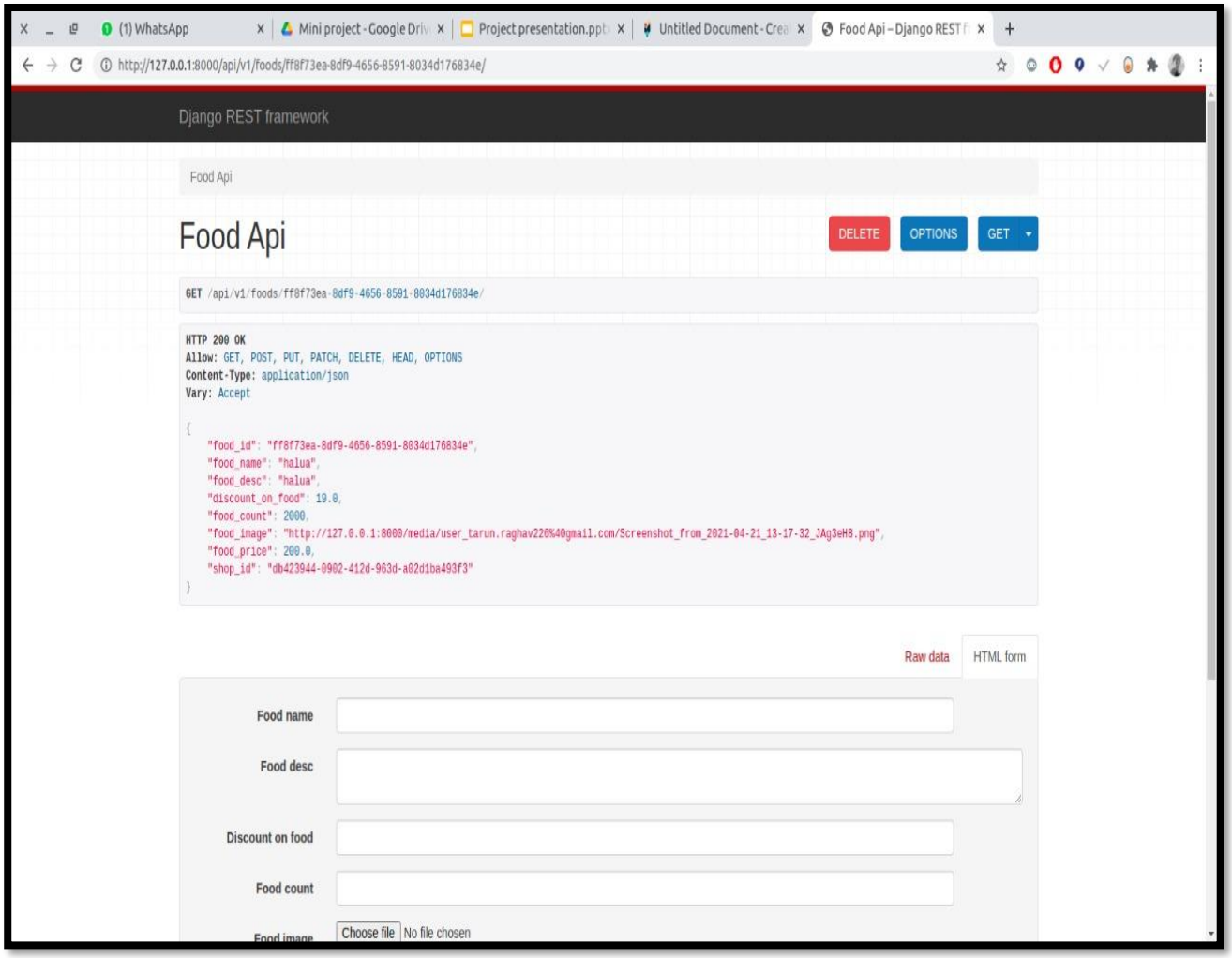
1. Order API : This API is for order model.



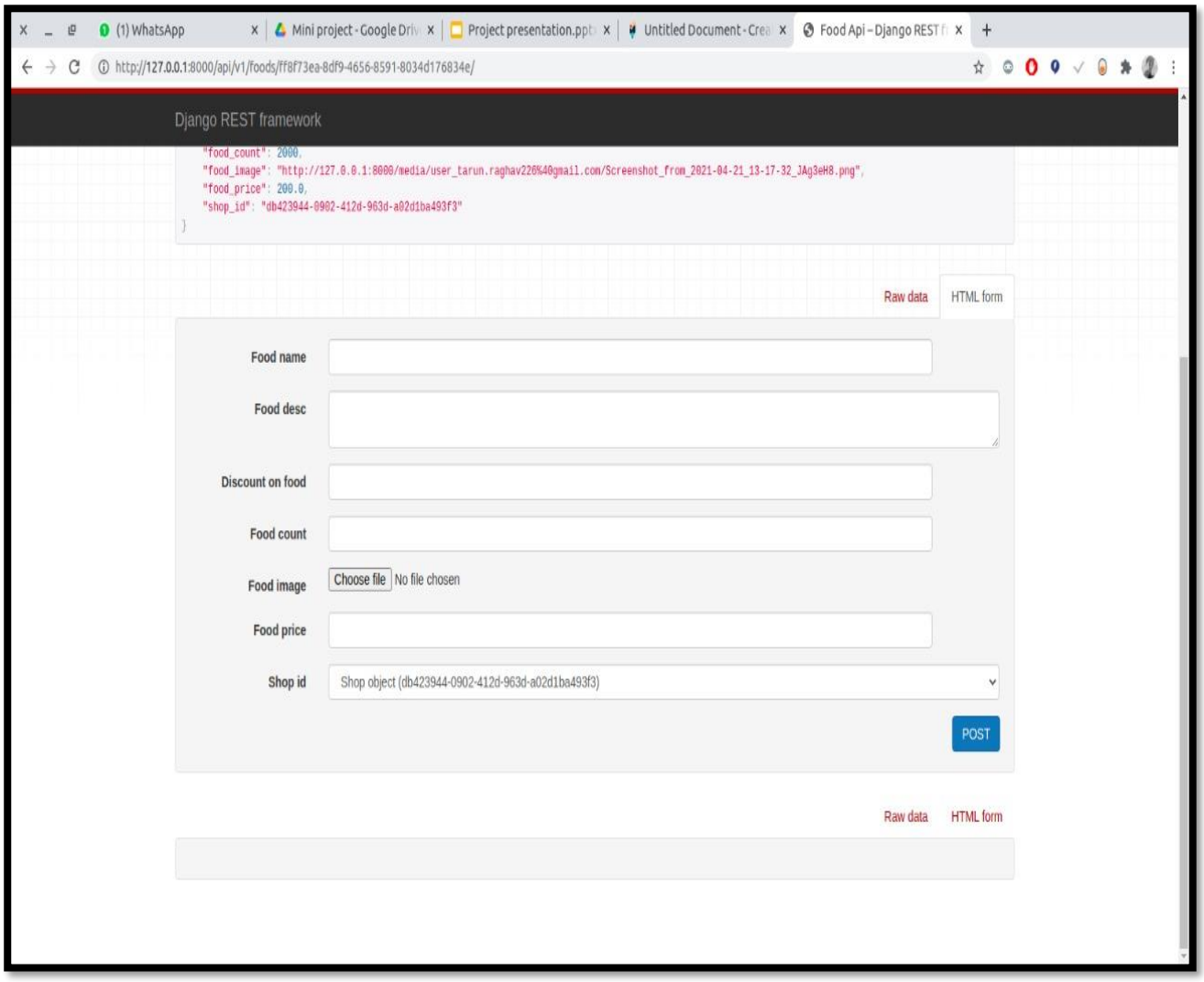
2. <u>Shop API :</u> This API deals with Shop model.



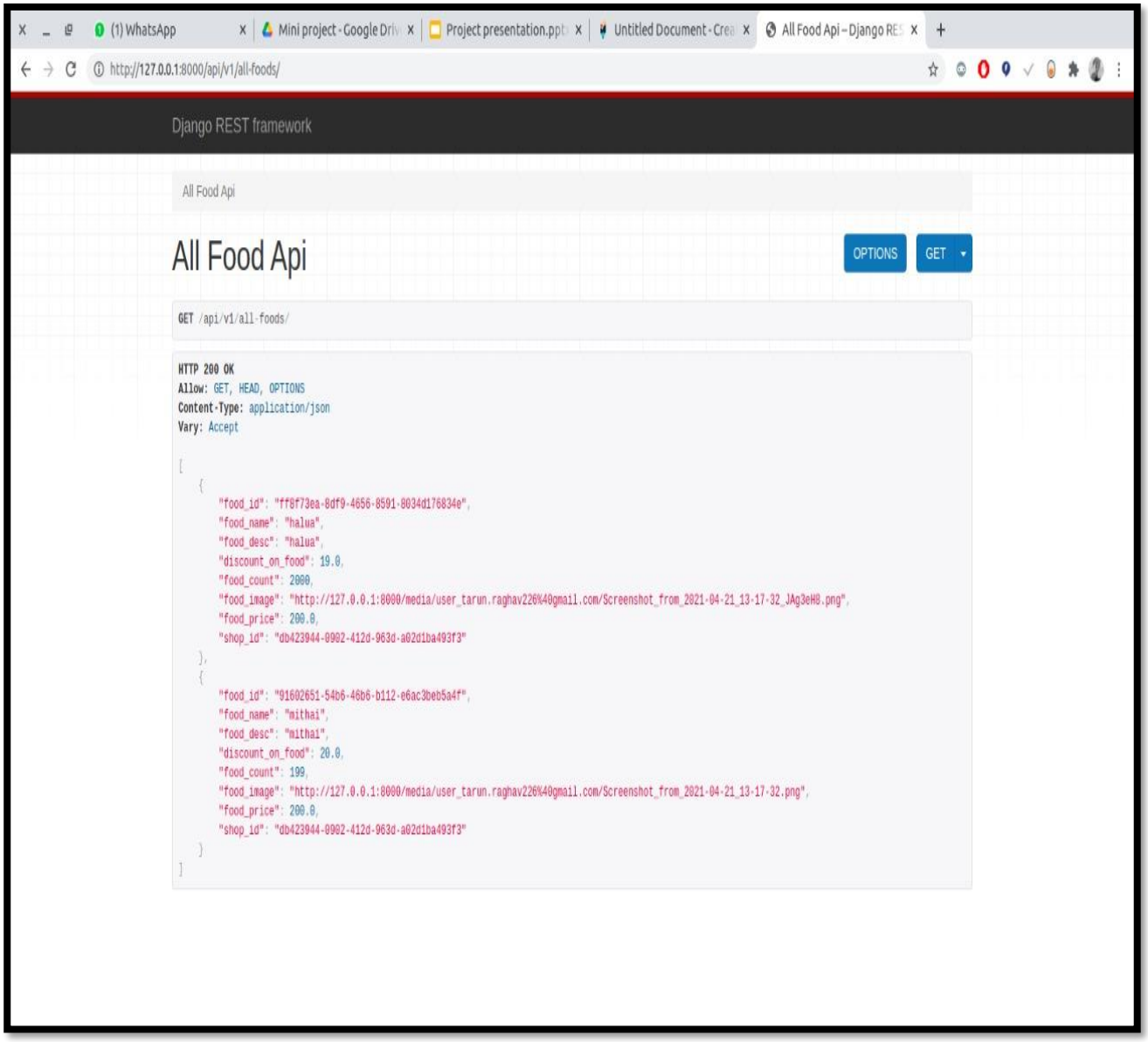
3. **Food API :** This API deals with Food model.



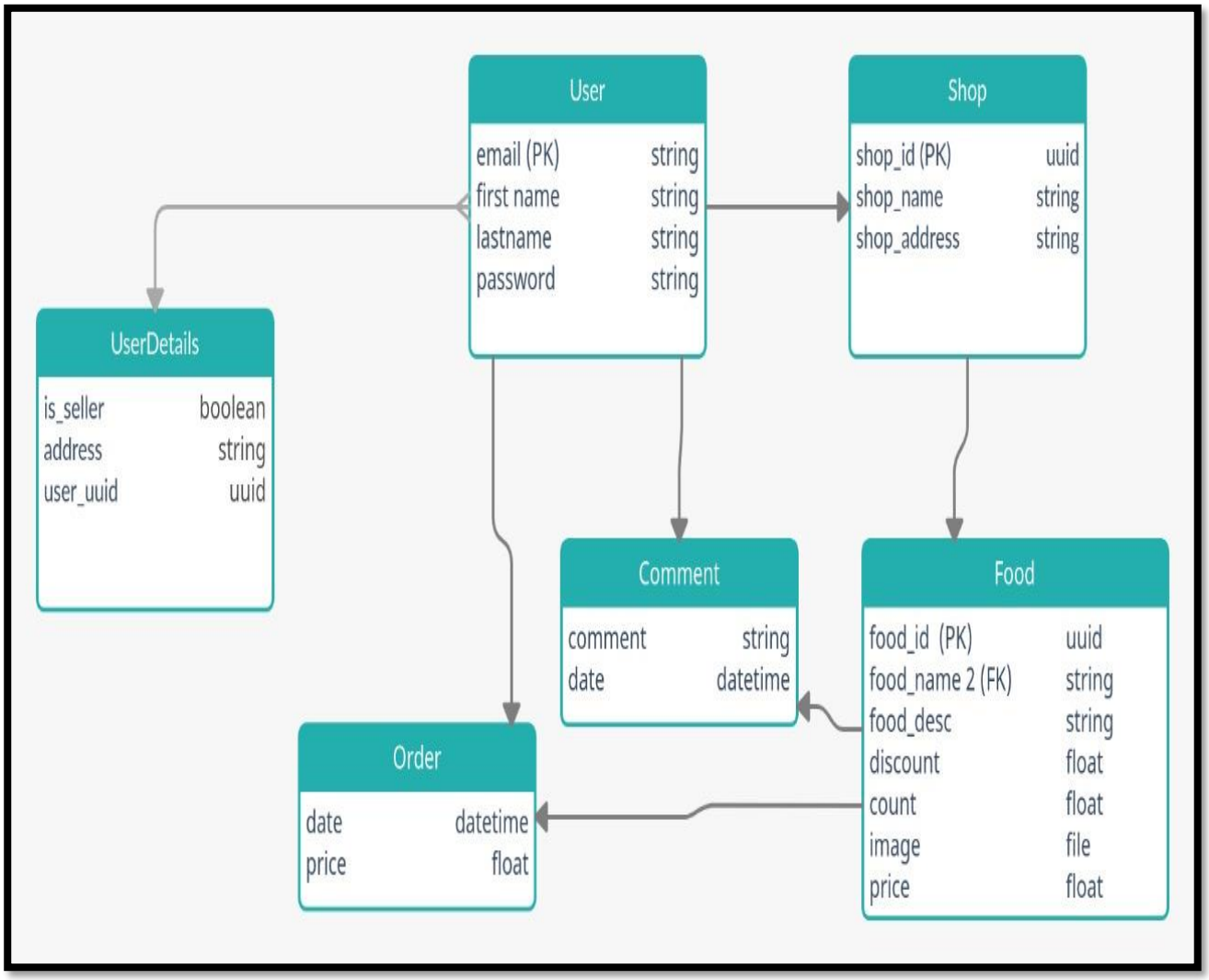
4. **Food Comment API :** This API works on the basis of Food comment model.



5. ALL Food API : This API is used to list down all the food items.



Models Created



References

- https://docs.djangoproject.com/en/3.1/topics/db/models/
- https://docs.djangoproject.com/en/3.1/topics/forms/
- https://docs.djangoproject.com/en/3.1/topics/class-based-views/
- https://docs.djangoproject.com/en/3.1/topics/http/urls/
- https://www.w3schools.com/html/
- https://www.w3schools.com/css/
- https://getbootstrap.com/