

Plivo Hackathon

ZAIKA - The Food Ordering App

Name : Supreeth

Code Base : [Github](#)

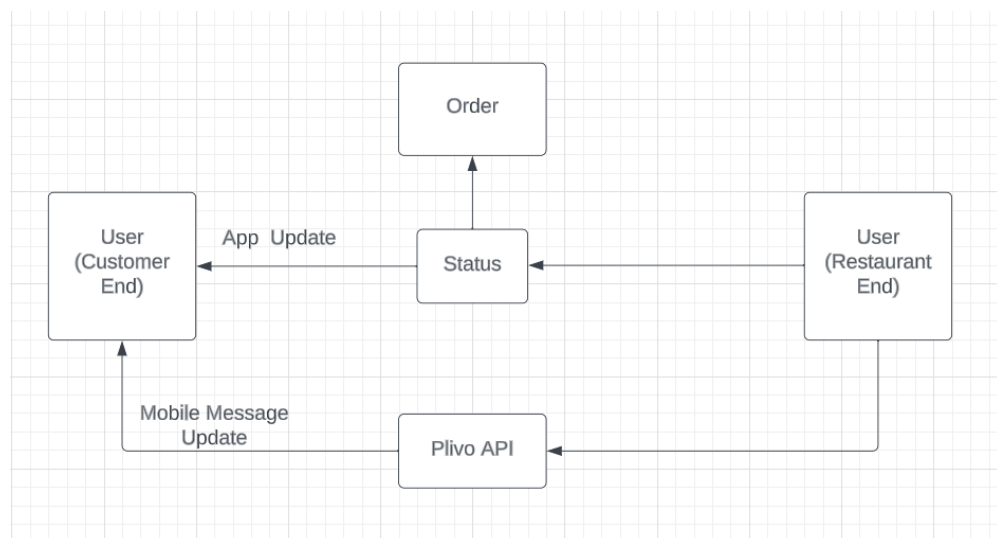
Demo Link : [DemoVideo](#)

Application Description :

Our Application has two kinds of users - Customers and Restaurants where customers can order food from multiple restaurants and Restaurants can manage their orders in our application. Plivo APIs are being used for the following functionalities in our application:

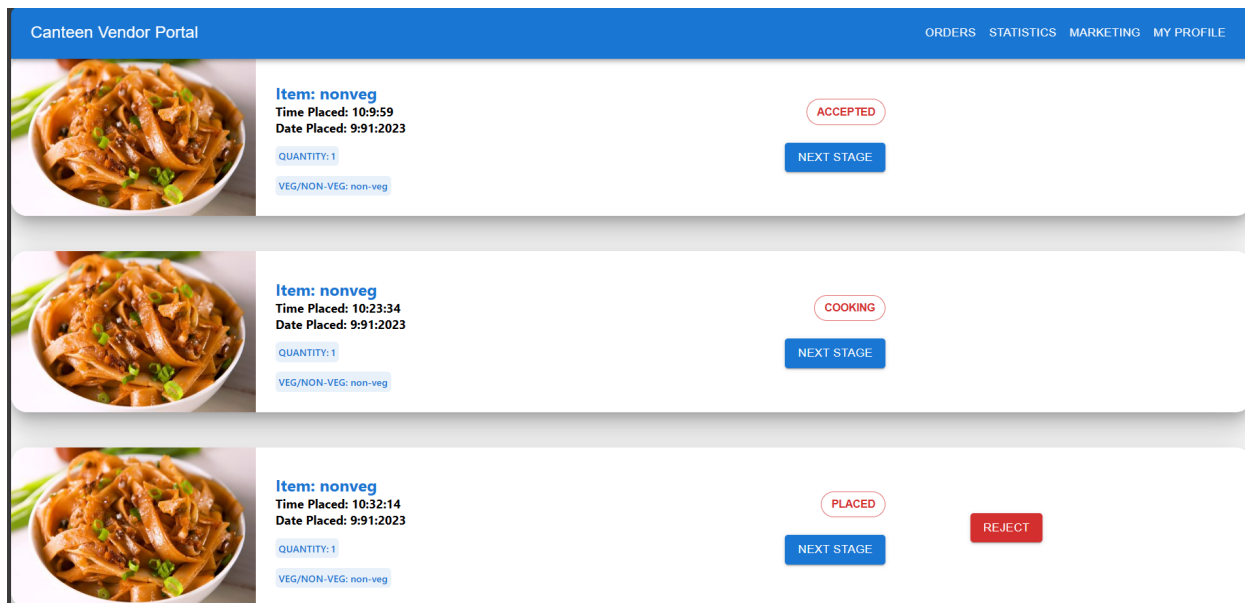
- Sending messages regarding Order Status updates
- Bulk messaging from the Restaurants regarding their offers and deals
- Bulk voice calling with a recorded audio which helps in marketing and restaurant's outreach

Status Update Module :



Flowchart of Status Update Module

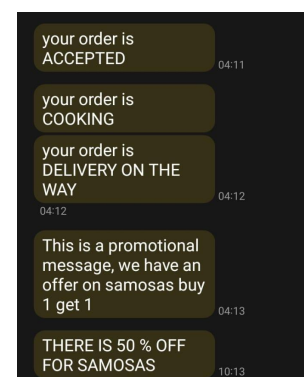
Restaurant Side Interface:



The above flow chart demonstrates the workflow of this module, where when a Customer places an order, the corresponding Restaurant can update the order status with every stage from order preparation to order delivery. As shown in the picture, the customer gets the order update from the Restaurant. Plivo API for messaging (one to one) **Create Message Api** is being used for achieving this functionality.

Bulk Messaging and Bulk Voice Calling Modules:

The image shows the Bulk messaging functionality on the Customer's end. The Restaurants interface for the Marketing Section is given below. We are required to provide the recorded audio for the Bulk voice calling where we first upload the recorded audio in S3 bucket and then passing the audio access URL. We then send above data to the corresponding Plivo APIs **Createcall Api** and **Create Message Api**.



Canteen Vendor Portal

ORDERSSTATISTICSMARKETINGMY PROFILE

Marketing Section

Message

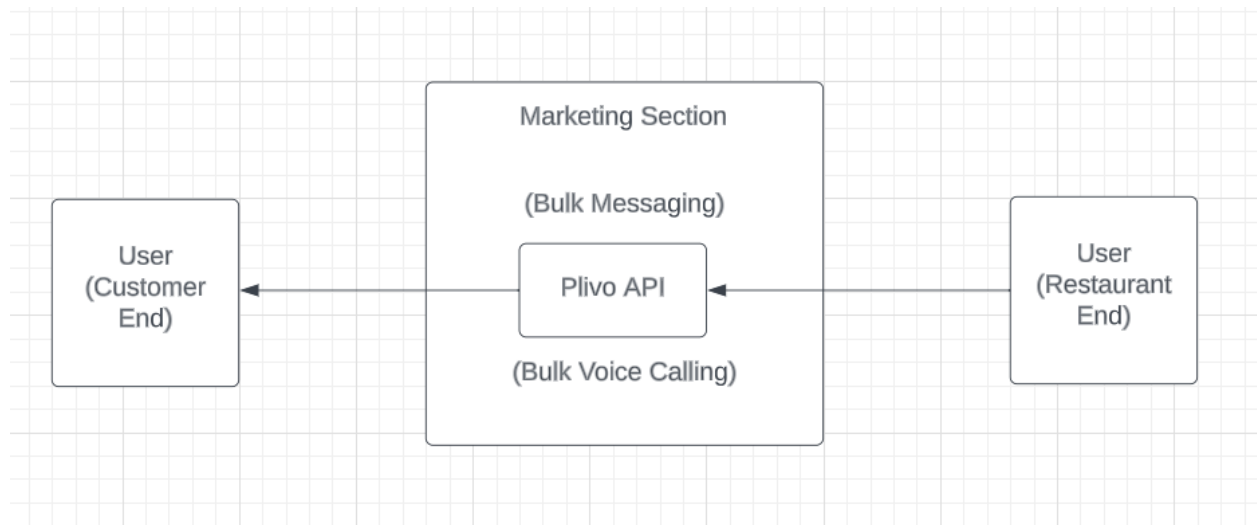
This is a promotional message, we have an offer on samosas buy 1 get 1

URL

<https://s3.amazonaws.com/static.plivo.com/answer.xml>

SEND

Restaurant Side Interface is given above and the flow chart for the module is given below:



Flowchart of Bulk messaging and Bulk voice calling module

Tech Stack Used:

The Entire Application is developed using MERN stack i.e the Database used is MongoDB (MongoDB atlas cloud), the front end is developed using ReactJS and Styling of UI is done using Material UI. The server is coded in express which is a framework of Node Js.

Installation Instructions :

Direct yourself to project root directory before these instructions

Install npm and node latest versions before setting up the project.

Plivo API auth_id and auth_token have been masked inside the code base and replace them appropriately in the Application.

Front-end:

1. 'cd frontend'
2. 'npm install'
3. 'npm start'

Back-end:

4. 'cd backend'
5. 'npm install'
6. 'npm start'

The Customer side message screen is already provided above for all the modules,combined together.Zaika already has all other functionalities of a food ordering app like User Authentication ,User Authorization,User Role Management along with other User specific functionalities and their profiles.