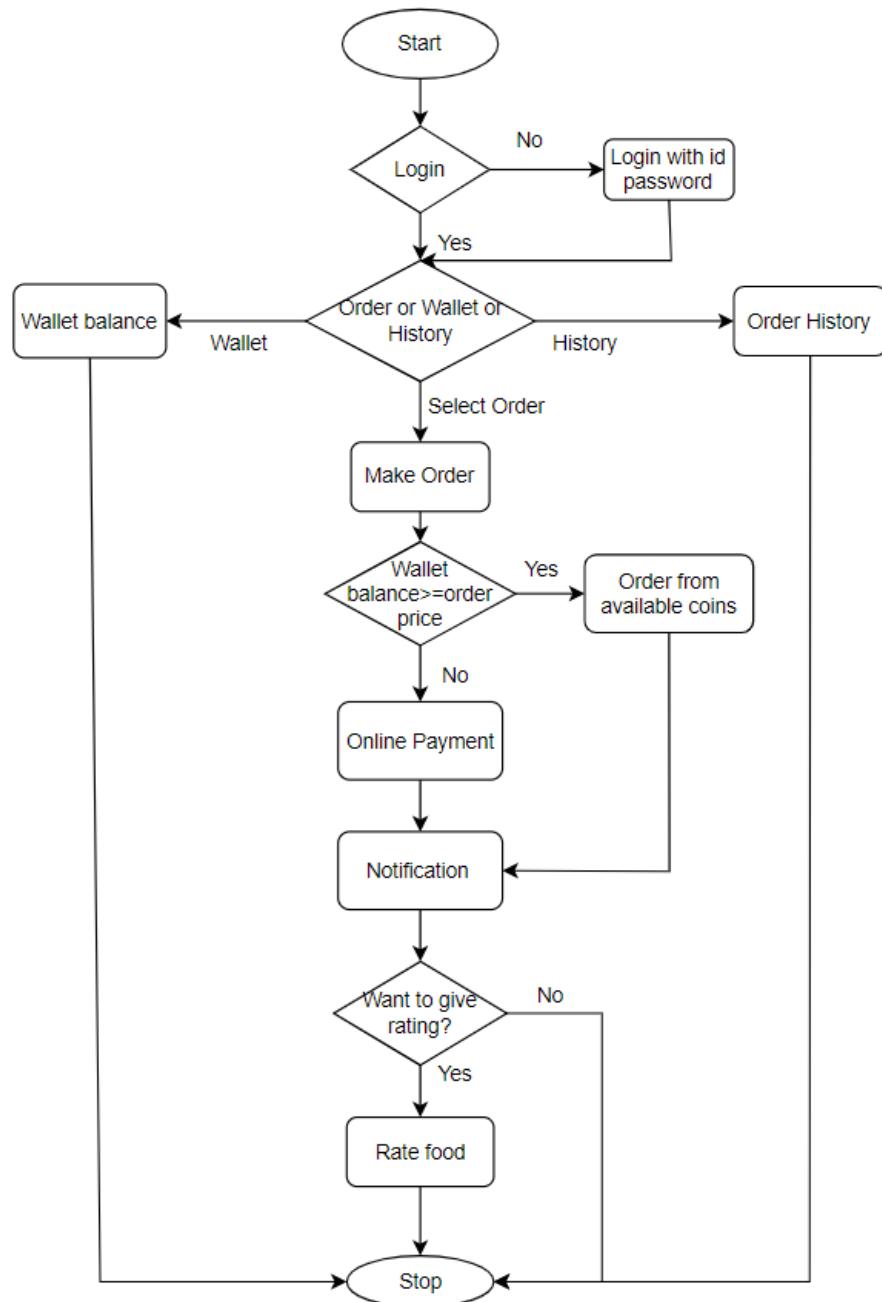
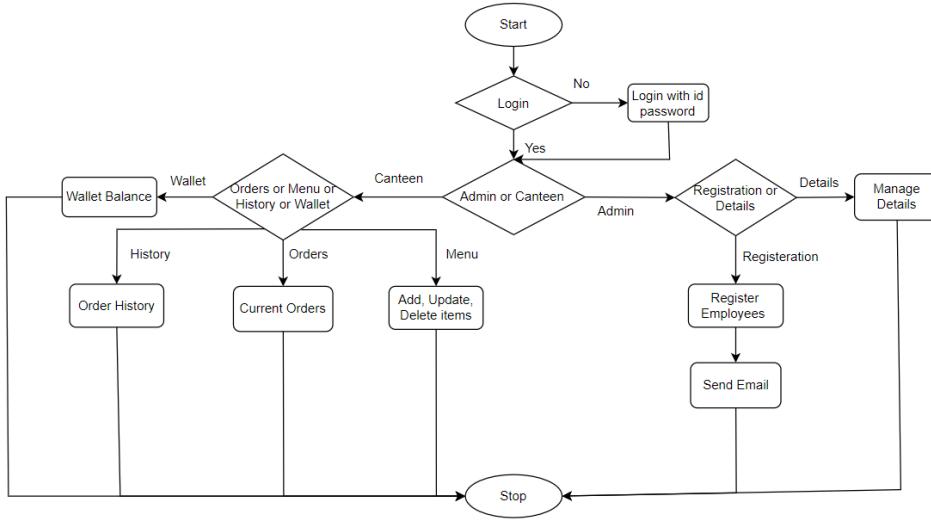


1. Problem ID (Auto Selection)
PID066
2. Problem Statement (Auto Selection)
Online Order Canteen System
3. Synopsis Abstract (should be Minimum 200 Character and Maximum 1000 Character.)
The online order canteen system for Sachivalaya will help the employees to book their food digitally .The present system consists of the manual intervention, that involves the paper work of the bills , maintaining the files, so on and so forth .In the proposed system,the employees will have to book their food online through their mobile application.So, payment will be online,i.e. the order amount will get deducted from the digital wallet of employee and will be added to the canteen wallet.And as soon as they book their order, the order details will be notified to the canteen,so that they can start preparing it. Officers having KOT of Rs.5000/Year will be supported by the application. Employees can also give rating to the food items so that canteen can improve the quality of those items.This brings all necessities in one place that benefits both the employees and the canteen owner smartly.
4. Literature Review/Existing Innovation-technology to address related to your problem (should be Minimum 500 Character and Maximum 1000 Character.)
Traditionally, the canteen management system uses to adapt a manual and paper based processes leading to inaccuracy and mismanagement. On the other hand, Computerized canteen ordering system can be efficiently utilized for handling multiple canteen management operations like the billing process, keeping track of food consumption, order management including cashless payment management and more. Self-service or self-ordering is a successful concept in many other countries when implemented in restaurants/canteens. Self-service or self-ordering technology has been shown to benefit the majority of investors. The planned application is principally helpful for digitizing the whole food ordering system which brings automation and reduces the time wasted in long queues.
5. What would be your approach to solve the problem (should be Minimum 500 Character and Maximum 1000 Character.)
We have designed a website and a mobile app. Mobile App for Employees and Website for Admin and Canteen. For new employees, the admin will first register and will provide them with a login id and password, with that employee can login into the app and they will get 5000 coins as credits in their wallet. So, whenever an employee will order any food item, the cost of that food item will get deducted from the wallet of an employee and parallelly that amount will be added to the canteen wallet. Employees will be able to see their order history and can also give feedback. Canteen manager can add new items and can modify the existing ones ,they can also see an order history , wallet amount,etc. When the order is completed there would be an OTP verification in employee app after which the canteen manager will provide food to employee. Admin can also see the total revenue of the canteen, on their dashboard. So,at the end of the month the admin will pay that much amount to the canteen manager.

Road map/Flow diagram to develop final solution (1) (*Only jpg and png files allowed.)



6. Road map/Flow diagram to develop final solution (2) (*Only jpg and png files allowed.)



7. Tools and technologies to be used to solve the problem (should be Minimum 500 Character and Maximum 1000 Character.)

Tools: Vs code , Expo and Postman,AWS

Technologies:

React native: for mobile app frontend, we selected it so that both ios and android user can use the app

React js: for website frontend, it will help us out for dynamically rendering web pages

Mongodb: Mongodb has been used as database for the project

Express js: Express js has been used to make APIs

Nodejs: for backend of both mobile app and website

AWS: backend services, for scalable backend.It will get scaled automatically if at one single time 1000s of people are using a same app

8. Challenges/Risk in implementing your Final prototype (should be Minimum 500 Character and Maximum 1000 Character)

There are many challenges, but we had and we will figure out those risks in the most efficient manner. Some of the challenges in implementing this project will be: Inability to cope up with tons of different features. In starting we have decided 10s of features but now we have to decrease those so that we can meet a deadline. Chances of technical errors or bugs in the system will be comparatively lesser because we go further only if the current error is resolved. Bugs or errors from 3rd party API's eg: paytm payment gateway api could create a trouble for us.

9. Possible outcome of your work (should be Minimum 500 Character and Maximum 1000Character)

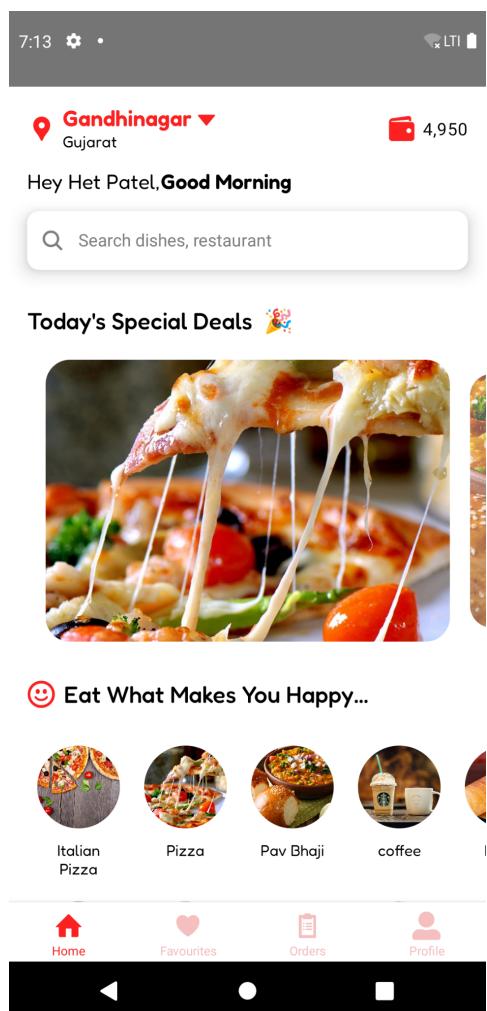
In total there will be 3 entities: Admin, Employee and Canteen Manager. For Admin and Canteen Manager there will be a website and for employee there would be a mobile app. The whole online order canteen system will support online food ordering, individual canteen wallet and payment of items purchased from canteens through online mode. Employees can book the order in advance for purchasing items in bulk. The application will support officers

with KOT (Kitchen Order Ticket) within 5000 Rs/Year. The system also supports rating functionality of food items. The system will also have notification facilities for order confirmation, ready to pickup and feedback messages. We are also having very tight verification of 'the food given by canteen to employee' using OTP system.Canteen manager can add food items to their portal which would be visible to employees as e-menu.Canteen manager can track their monthly revenue.Rights to register an employee will be given to admin.

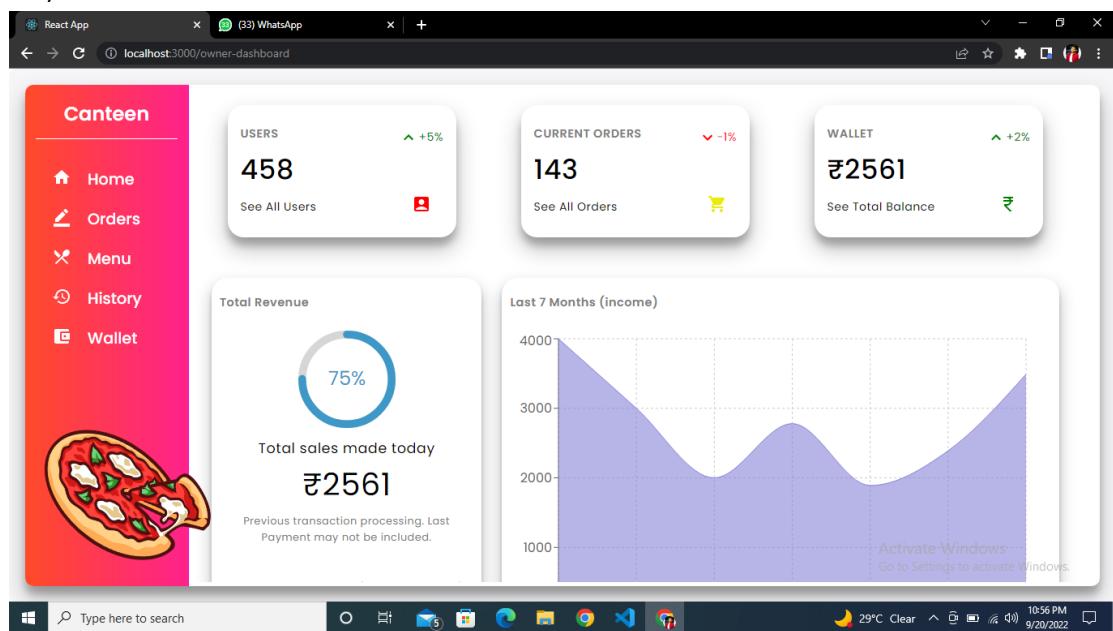
10. Work done till date (should be Minimum 500 Character and Maximum 1000 Character.)

Till date we have developed mobile app for employees which currently supports features like login screen, viewing e-menu, ordering food, seeing order history,wallet feature, etc. In website(for Admin and canteen manager) we have developed login portal for both Admin and Canteen Manager, Canteen manager can see current orders, wallet, dashboard(screenshot of it is attached below), can add new food items, can delete or modify the existing food item.Work under progress are: Backend for mobile app ,to integrate paytm payment gateway api and verification of order closure.We are attaching 2 screenshots(mobile app and website) on the portal and remaining other screenshot in pdf file.

11. Image/Screenshot of Solution (1)(*Only jpg and png files allowed, Maximum File Size 5 MB)



12. Image/Screenshot of Solution (2)(*Only jpg and png files allowed, Maximum File Size 5 MB)



Team Details



Team ID

TM001014

Problem ID

PID066



Problem Statement

Online Order Canteen System



Faculty Details

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Phone Number:

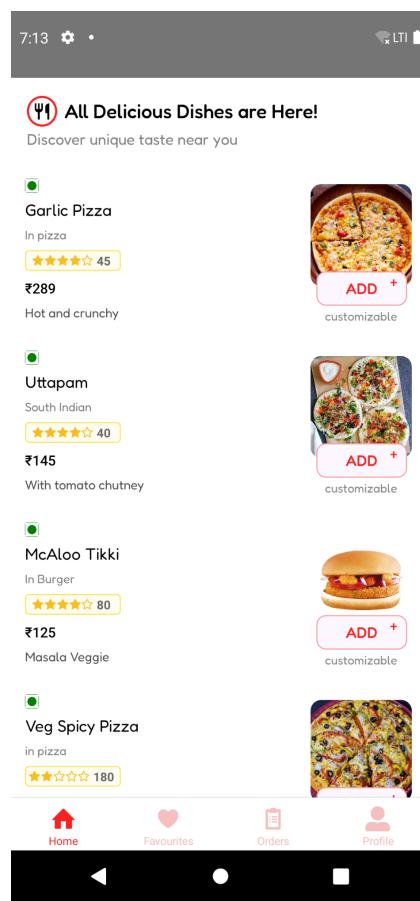
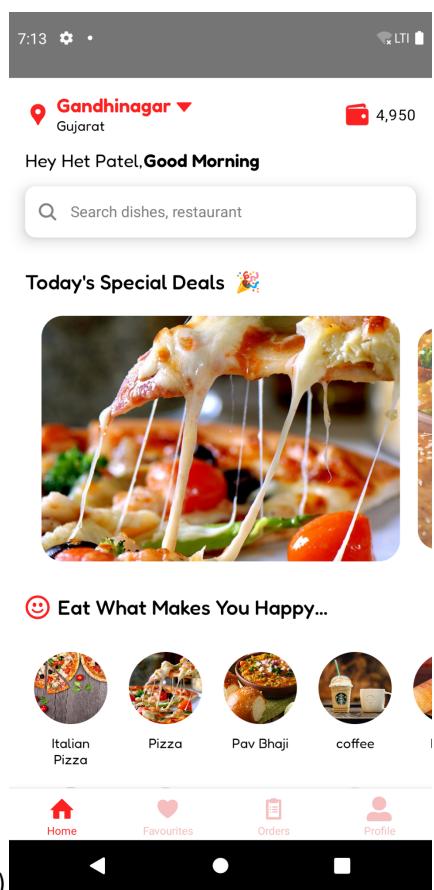
+917698545581



Team members details

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Screenshots of Mobile App:





Cheese Aloo Tikki

🕒 50 mins

⭐ 4.2

PURE VEG.

Masala Veggie

- 3 +

ADD 3 item - ₹ 375



Basket

Your Items:



McAloo Tikki 3
Masala Veggie

₹ 125



Margherita 2
Hot and spicy

₹ 349

Create Order - Rs.1118.0



Het Patel

Devdarshan Bungalows

₹ 4,950

Check transaction history here ▶



Like



Notification



Setting



About

Food orders

📋 Your Orders

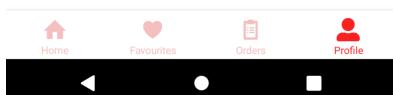
❤️ Favorite Orders

⌚ Online Ordering App

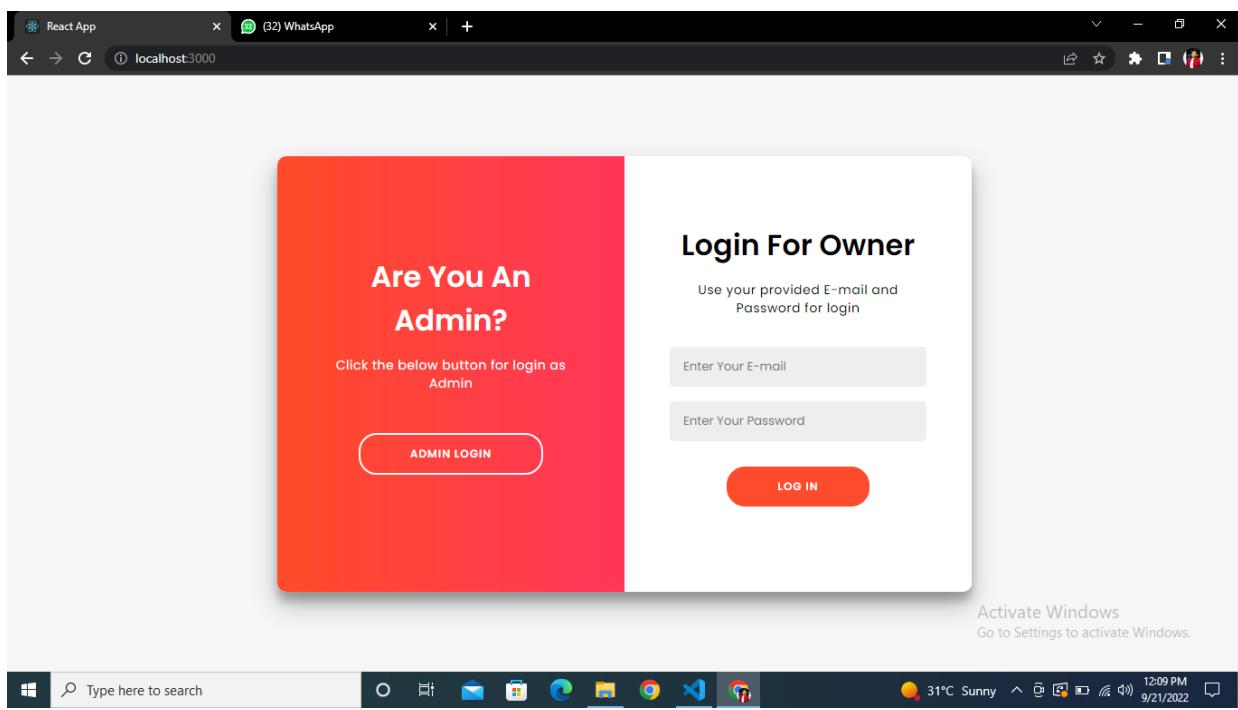
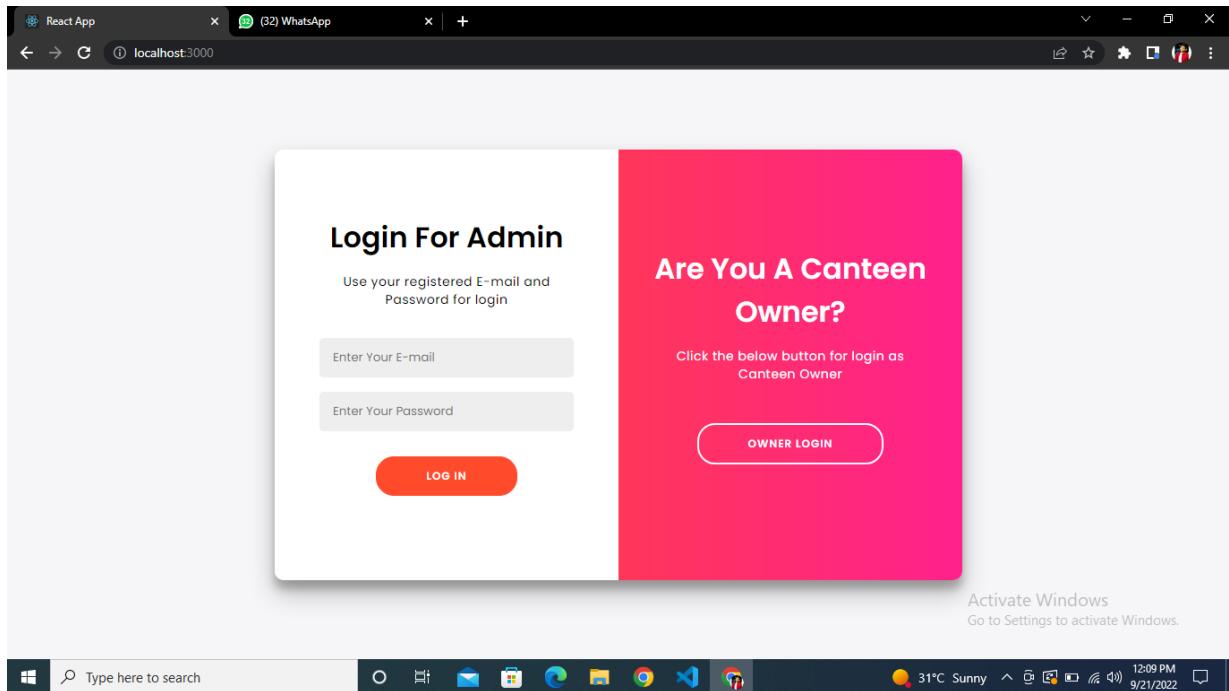
Give Feedback

Rate Us On PlayStore

Logout



Screenshots of Website:



React App (3) WhatsApp

localhost:3000/owner-dashboard

Canteen

- Home
- Orders
- Menu
- History
- Wallet

USERS +5%

458

See All Users

CURRENT ORDERS -1%

143

See All Orders

WALLET +2%

₹2561

See Total Balance

Total Revenue

75%

Total sales made today

₹2561

Previous transaction processing. Last Payment may not be included.

Last 7 Months (income)

Activate Windows Go to Settings to activate Windows.

Type here to search

29°C Clear 10:56 PM 9/20/2022

React App (3) WhatsApp

localhost:3000/owner-dashboard/orders

Canteen

- Home
- Orders
- Menu
- History
- Wallet

ID	Name	Time	
1	Vivek	1:30 PM	
2	Kirtan	2:45 PM	
Orders			
Items	Order Name	Amount	Total price (\$)
1	Pizza	3	300
2	Burger	1	60

COMPLETED **PENDING**

ID	Name	Time
3	Het	3:00 PM
4	Pratham	3:12 PM

Activate Windows Go to Settings to activate Windows.

Type here to search

31°C Sunny 12:09 PM 9/21/2022