

A Synopsis on

## **Orderista**

Submitted in partial fulfillment of the requirements of  
the degree of

**Bachelor of Engineering**

in

**Information Technology**

by

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## CERTIFICATE

This is to certify that the project Synopsis entitled “*Orderista*” Submitted by “*Jahnavi Naik (17104046), Ashwin Vishwakarma (17104009), Tejas Raibagi (17104067)*” for the partial fulfillment of the requirement for award of a degree *Bachelor of Engineering in Information Technology* the University of Mumbai, is a bonafide work carried out during academic year 2020-2021

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## Declaration

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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## **Abstract**

Our project "Orderista" which implies to be an application for "Canteen Automation" which enables the end user to register online, select the food they plan to have for their lunch from e-menu card and place an order online by just selecting the food that the user wants using android and ios application. Every student will be able to access via their moodle id, by using which they can log into the system. Visual confirmation will be provided for whatever is selected and is hence ensured. Once an order is placed on the page, it is entered into the database and then retrieved in pretty much real time by the desktop application on the canteen's end. This allows the canteen to quickly fulfil the orders with minimum delay and confusion. Manual systems involve paperwork in the form of maintaining critical information in the files and manuals are full of risk and a tedious process to do. This application aims at reducing or rather nullifying the entire manual system and making it centralized and automated. This system will also greatly lighten the load on the canteens end as the entire process will be automated.

## **Introduction**

The main issue which we came across in our college canteen was that it's not too spacious to accommodate enough students all together having the same lunch time. Now-a-days people don't have much time to spend in the canteen by just waiting there for the waiter to take their order or collect the prepared order. Since this is specific to our college canteen, many students visit the canteen only during their break so they have limited time to eat. So this software helps them save time and order food and have it wherever they want. The benefit of this is that if there is rush in the canteen then there will always be chances that the food is unavailable or there is no space to have it which using the application will vanish off.

In today's age of fast canteen automation, many canteens have chosen to focus on quick preparation and speedy delivery of orders. Until very recently, all of this delivery of orders were placed over the phone, but there are many disadvantages to this system, including the inconvenience of the customers needing to have a physical copy of the menu or the bill, lack of visual confirmation that the order was placed correctly, and the necessity for the canteen to have an employee answering the calls or taking the orders.

The main advantage of an online ordering system is that it greatly simplifies the ordering process for both the customer and the canteen. When the customer visits the ordering web page, they are presented with an interactive and up-to-date menu, complete with all available options. After making a selection, the item is then added to their order, which the customer can review the details at any time before checking out. This also provides instant visual confirmation of what is ordered.

This system also greatly lightens the load on the canteens end, as the entire process of taking orders is automated. Once an order is placed on the web page, it is entered into the database and then retrieved in pretty much real time by the desktop application on the canteen's end. This allows the canteen to quickly fulfill the orders with minimum delay and confusion.

## Objectives

- To make it convenient for those who have less time.

As there is a common lunch break for all and the canteen being not too spacious this issue of space will be overcome.

- To allow users to give their orders beforehand makes them save time and enables them to eat wherever they like.

No need to wait for placing an order or waiting for their order to be prepared.

- To minimize the need to look for space in the canteen to have a seat, one could add a pickup location for their delivery making it easier to go.

As one places order before hand and order will be ready in time so it could be picked up and ate at specific locations in the college campus

## Literature Review

Paper titled 'Canteen Automation System' was published by authors Sanil Sharma, Pranchal Jain, Rinshi Jain, Roshni Gupta. It was published in fulfillment of degree of BACHELOR OF ENGINEERING in COMPUTER SCIENCE ENGINEERING from Gyan Ganga Institute of Technology and sciences, Jabalpur(M.P) in Dec(2016). A few notable findings related to our project Canteen Automation system is the system where customers order their food and receive food in the canteen without any delay as they can directly go and collect what they ordered without waiting. The system requires very fewer time factors as compared to manual. The system will provide fast and efficient automated environment instead of slow and error prone manual system. The system will have GUI interface and very less training is required to learn it. The main key advantages from this system were related to Time efficiency, user friendly ui and flexibility. Apart from that a few Disadvantages found were Complexity for developing as it follows three tier architecture.

## **Problem Definition**

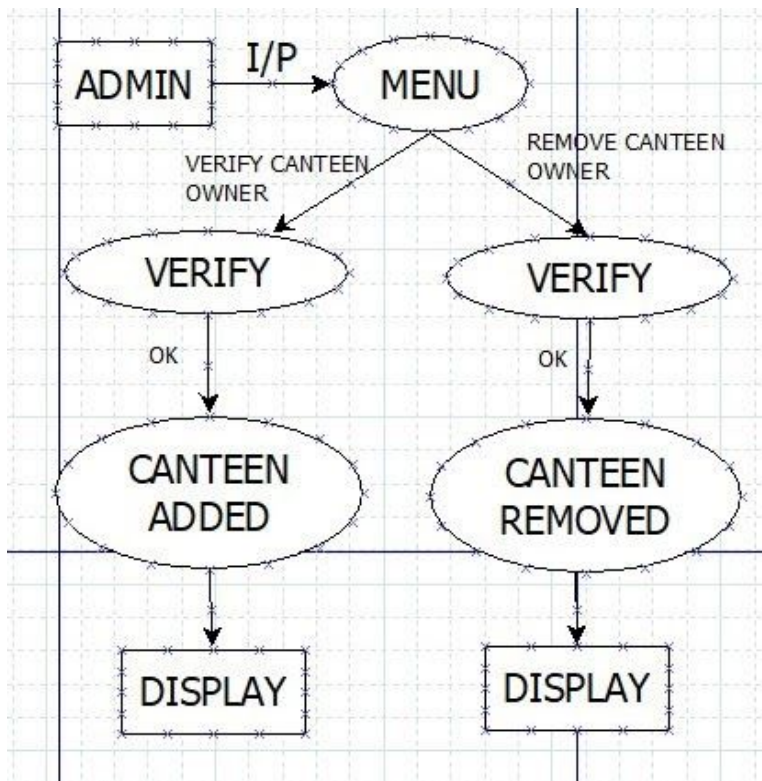
### **Problem Identified**

The main challenge encountered by our college is that of space being a little less to accommodate all the students at the same time. The experience of ordering food is not quick and there are a lot of complications while receiving the order. Manual system involves paper work in the form of taking orders and maintaining cash which is full of risk and tedious processes. Since this is specific to our college canteen, many students visit the canteen only during their break so they have limited time to eat.

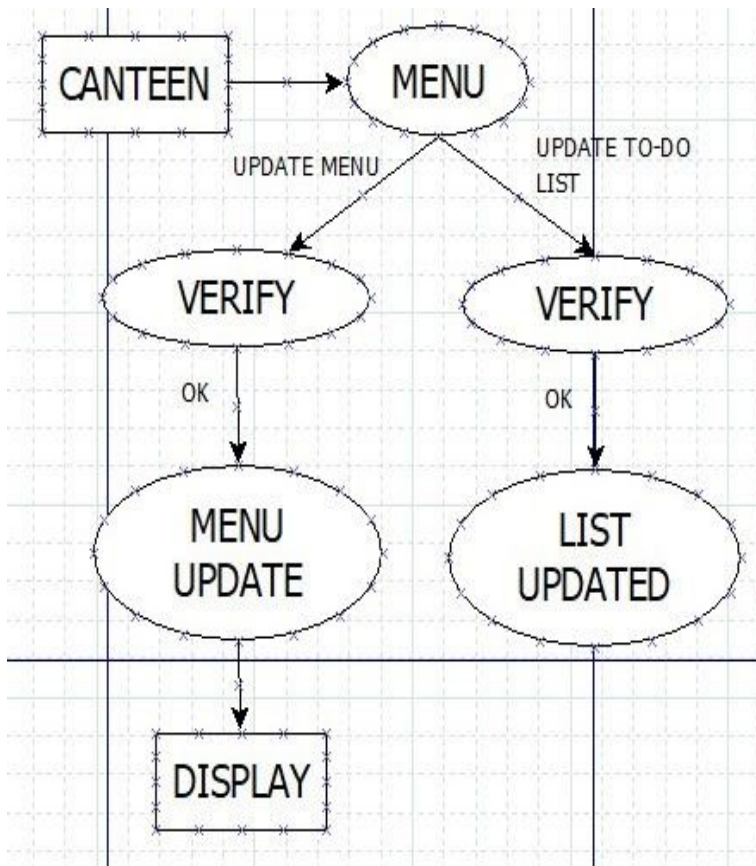
### **Solution**

So this application not only is helping for canteen automation but also solves all of these concerns and makes a much easier and feasible atmosphere for every student as well as the manager. Every student will be able to access via their moodle id and a user generated password, by using which they can log into the system. This system also greatly lightens the load on the canteens end, as the entire process of taking orders is automated. This allows the canteen to quickly fulfill the orders with minimum delay and confusion.

## Proposed System Architecture/Working

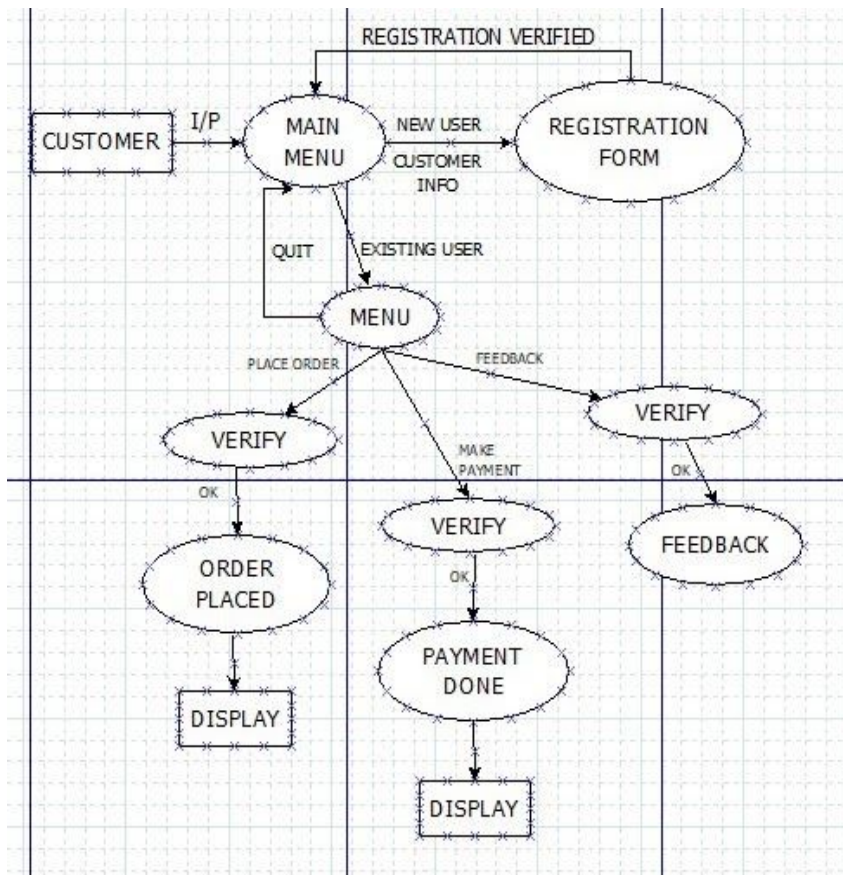


-When a user logs in with the role of Admin then he or she can add users or canteen manager and can have all the rights over the application.



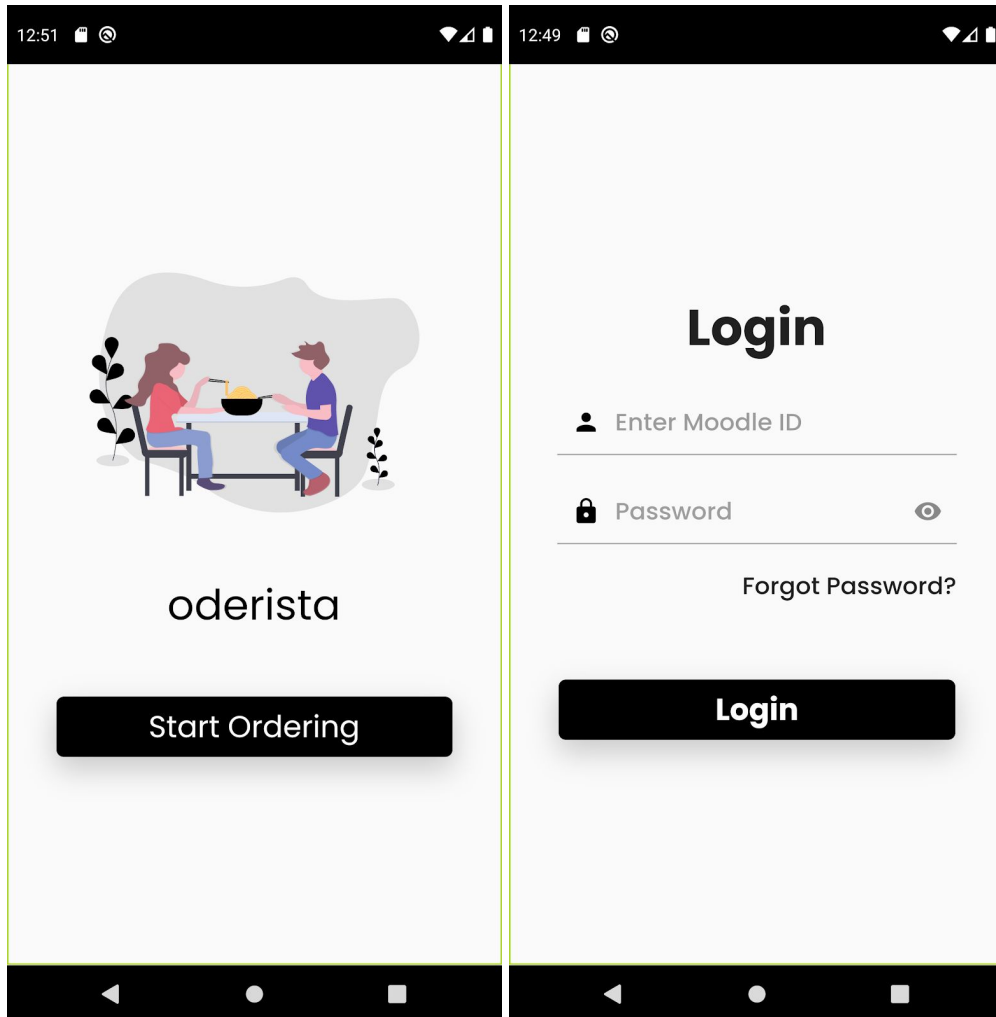
-When a user logs in with the rights of Canteen managers end then he can receive the users order and can change the status as per the state order is in and can add the menu or change them on a daily basis.





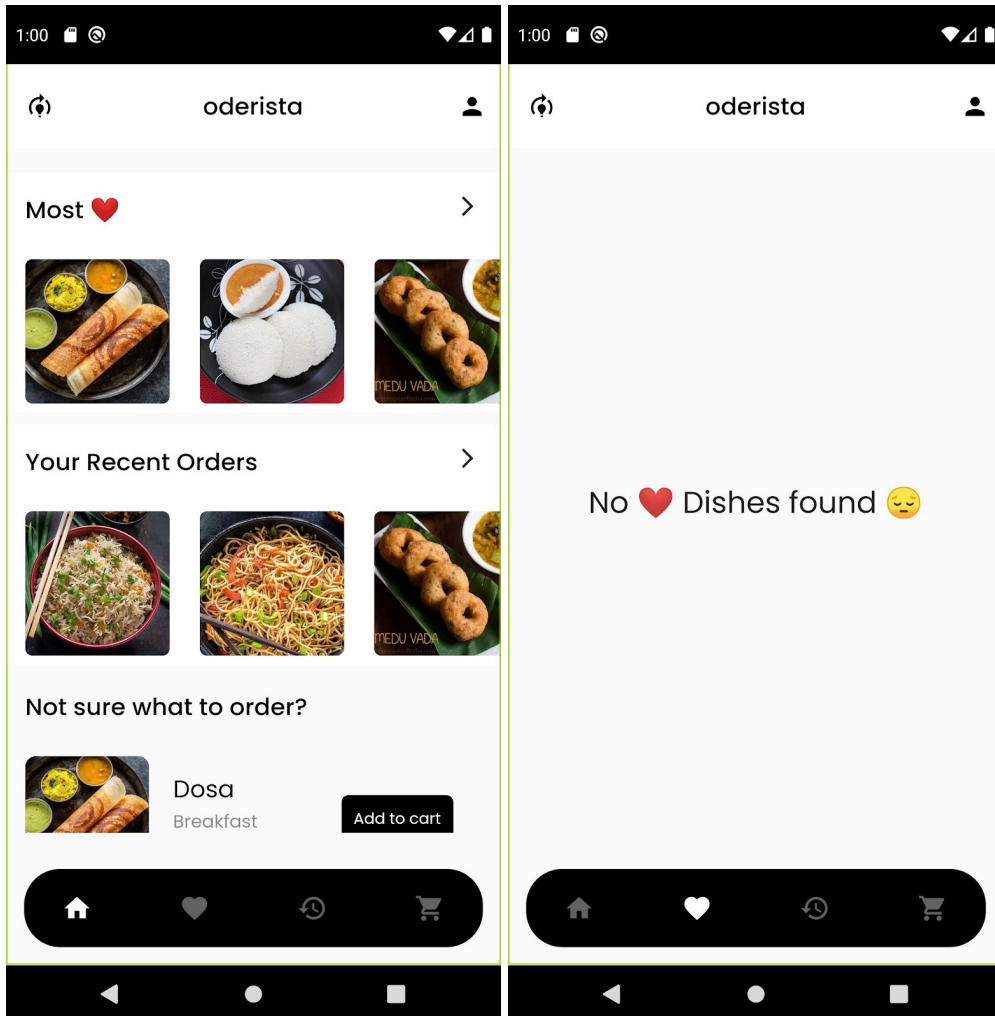
-If a User logs in Student/Faculty he will be first viewed on the home page where in all possible dishes will be available where in the selected dishes can be added to cart to place an order.

## Design and Implementation



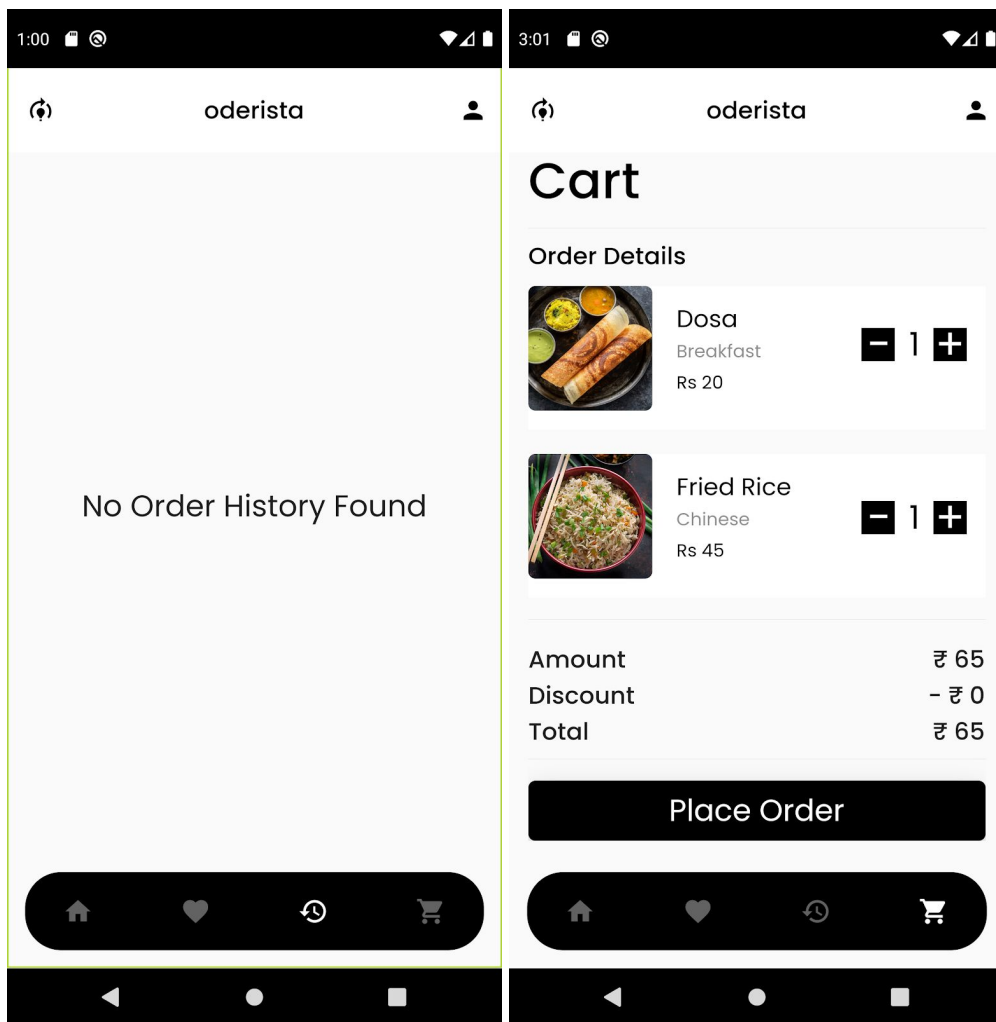
-This is the first page a new user will be able to see.

-After which student or faculty has to login and will be directed to the applications home page.



-After successful login this home page will be visited where you can explore all the dishes available and choose to order..

-Beside which is the favourite dishes page which will list the dishes that the user has ordered frequently



-Another is the recently ordered dishes page which will minimise the efforts of finding dishes

-Finally the cart page which will show all the dishes one wants to order and then can place an order.

## Summary

We would like to conclude for our presentation regarding our project Canteen Automation System which ensures to enables the end user to register online, select the food they plan to have for their lunch from e-menu card and place a order online by just selecting the food that the user wants using android application. The system mainly will be aiming to reduce the load on the canteens end, as the entire process of taking orders and serving is automated.

## References

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