

*A Mini Project Synopsis on*  
**Online Canteen Food Ordering System**

**S.E. - I.T Engineering**

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## CERTIFICATE

This to certify that the Mini Project report on **Online Canteen Food Ordering System** has been submitted by Yukti Ogare (21104133), Anshika Pandey (21104053) and Adarsh Pandey (21104039) who are the students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2022-2023** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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# **Chapter No: 1**

## **Introduction**

Almost every piece of information can now be accessed by computer, making computers an essential component of our daily lives. The twenty-first century is full with technological advancements, and it is incredibly impossible for any organization to remain in this technological era without using technological advancements. An ever-expanding global knowledge database may be created thanks to the internet's contributions. It might also be utilized for internal communication. Food restaurants and places are focusing more on fast meals and takeaway in this day and age, rather than delivering a comprehensive eating experience. This is sort of the same technological advancement that we are trying to incorporate in our college canteen. The standard procedure of manually ordering the food from canteen kitchen is basic but not efficient.

The main objective of online food ordering system is to automate the existing manual system with the help of advance computerized software so, that valuable data can be stored for longer period with easy accessing and manipulation of the same.

The registered user can access the account with valid credentials. User can surf the food items according to categories, Cart and online payment options are available to user. User can track their orders with the food details.

In Online Food Ordering System Admin can handle the functionalities like add new food items, edit/delete food items, Enable/Disable the food items according to season and availability. Admin have authority to view order details and update the delivery status of food. The payment transaction and user details are also viewable to admin.

### **1.1. Purpose :**

The purpose of our project is to built an efficient online food ordering system for our college canteen so that our current target audience, the students of our college and its staff can order their meal without any inconvenience and trouble.

### **1.2. Objectives :**

The current fast moving world and the love for the technology of the present generation demands change and change and certain repositioning in the boring and time consuming process of manually ordering food. And therefore our aim is to create an innovative website for students where they can view their food options available and order from their seat and set the time for their food to be prepared and then they can collect their meal as soon as they get the time avoiding all the queues and saving their time. This simple system will surely be effective in the current scenario where our college is looking to increase its student capacity. And can be helpful to both the students and canteen personnel by saving their time and managing their work load easily and efficiently respectively.

### **1.3. SCOPE**

- The main aim is to build an extremely accurate and practical website for peers to use and make their college experience hassle-free.
- The web app will be saving lots of time and energy and will Continuously enhance its users experience.
- We want it to be implemented in our college canteen and use it regularly in daily during college days.
- Addition of nearby restaurants and canteen is also possible and it will be bringing variation to the food plate instead of the same canteen platter.

## **Chapter No : 2**

### **Problem definition**

Canteen In-charge and the students spending their money on canteen food both require a fast hassle free and time efficient process to accompany them in their already busy life. The canteen of our college is not very huge but it somewhat sufficient for the current capacity of our college if average amount of students visit. But when most of the classes gets break on the same time, students have to spend their better part of the break in ordering and waiting for the food. Due to longer queues and slower manual process all the seats are also almost completely occupied leaving no choice but to stand and eat for the others. Even the canteen in-charge have to work continuously to meet the sudden increase in demand. Also, as our institute is increasing its student intake capacity this year, so the problem is only going to increase from this point. And that's where our system comes into place it will be tackling all this specific issues and will provide a faster and better alternative to the existing manual process.

### **Goals :**

- To build a time efficient digital system for food ordering from the canteen.
- To help the canteen personnel in managing their work load.
- To help the canteen in dealing with unstructured food orders in a structured manner.
- To provide automatic updating of reports and help users to track their consumption in real time.
- Food and Meal management so that not a single resource is wasted.

## **Chapter No : 3**

### **Proposed system**

#### **3.1. Features and Functionality :**

- Menu card will can be updated .  
The menu card will be updated daily according to the food items prepared and available on that day in the canteen. Meal of the day can be made available on the menu card.
- Records of the meals ordered.  
History will be made available to the user so that he/she can keep track of the meals they have ordered and can have complete knowledge of the food they are feeding to their and also calculate their monthly expenses.
- Dynamic Add to cart.  
On menu page , the add to cart button is dynamic, which will add the count of item to the cart.
- Dynamic Cart page.  
All the items added to the cart will be shown in the cart page and (+)(-) button will help updating items in the cart and the calculation of the total amount will be shown in total amount.



## **Chapter No : 4**

### **Project outcome**

- Our most specific and highly prioritised goal of achieving time efficiency in food ordering by taking this system online will be achieved and will result in successful installation of online system helping our college students in saving their time.
- Workload of canteen personnel will be reduced and they will be able to manage their work as they will be having a prior knowledge of the foods that are ordered.
- The canteen personnel and students will be available to track the foods that are ordered daily.
- Students would be able to manage time as per their classes in college as this website would save their ordering time.

## **Chapter No : 5**

### **Software Requirements**

#### **Development : Eclipse IDE**

Eclipse IDE is used for Web Application Development.

#### **Frontend : HTML, JavaScript**

HTML and JavaScript is used for the frontend.

#### **GUI : CSS**

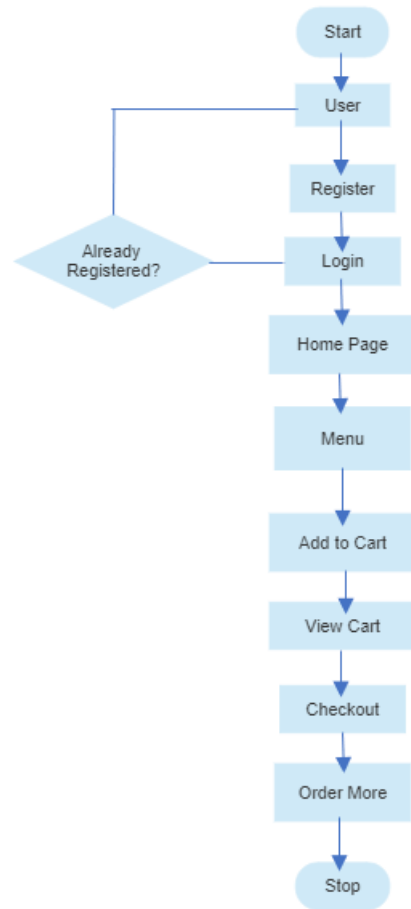
CSS is used for designing the frontend.

#### **Backend : MySQL, Java, JDBC, Servlet**

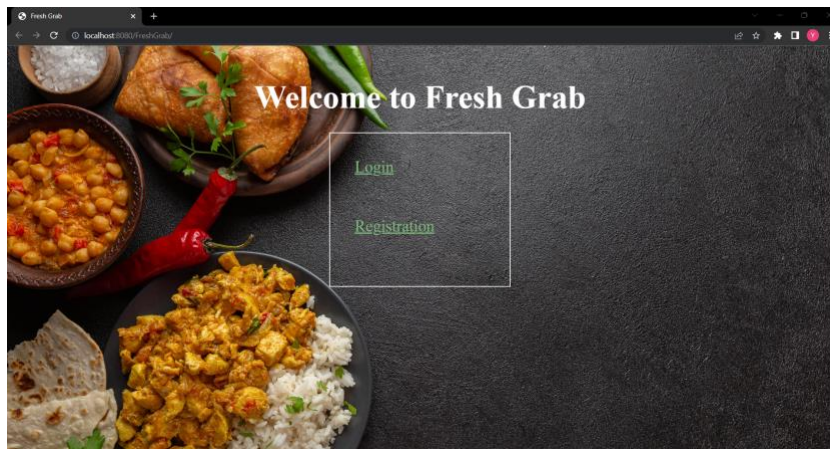
MySQL is database used for table creation. JAVA is used for OOP. JDBC is used for database connectivity. Servlet is used as a model of communication between a web user request and the application on the web server.

## Chapter No : 6

### PROJECT DESIGN



**Figure 1.1 : Project Flowchart**



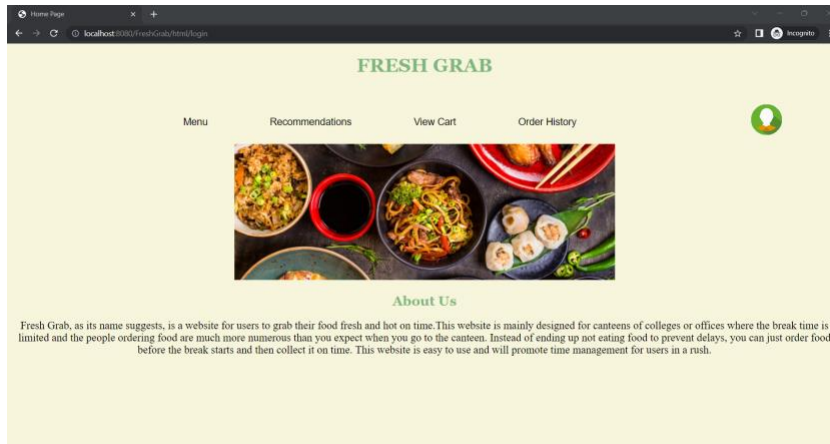
**Figure 2.1 : Welcome page**

Login'."/>

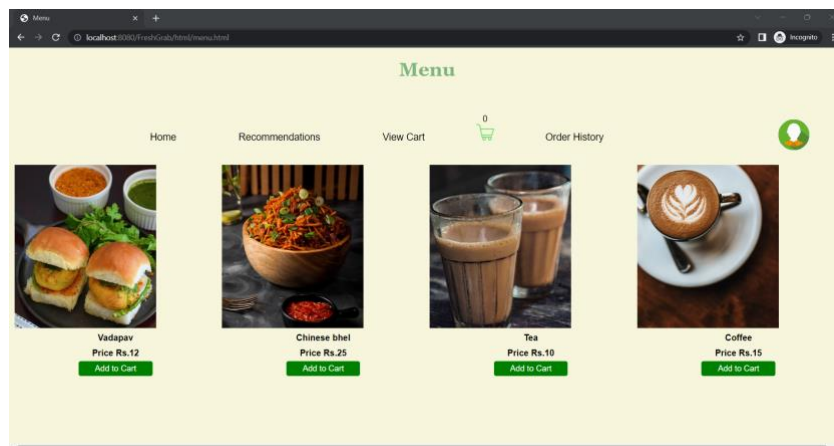
**Figure 2.2 : Registration Page**

Register'."/>

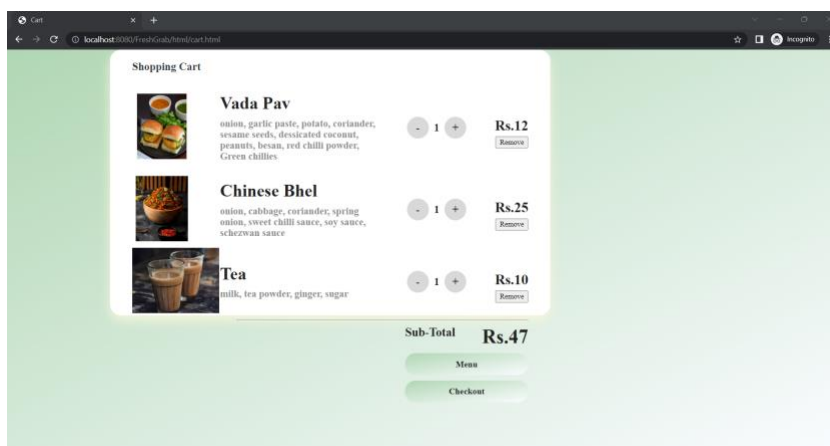
**Figure 2.3 : Login Page**



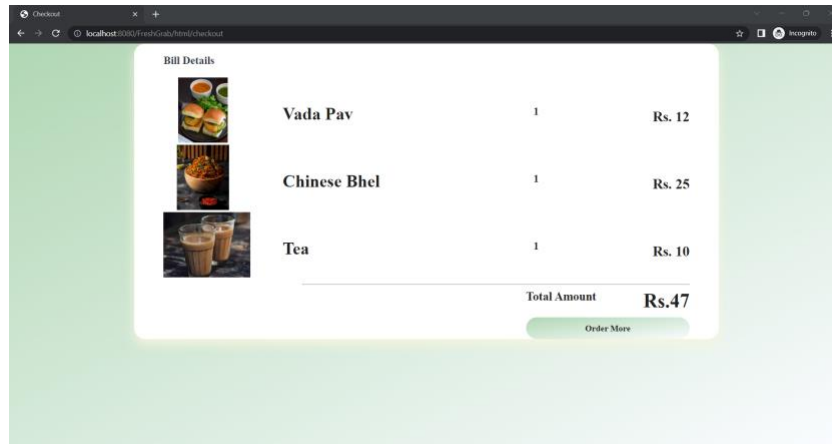
**Figure 2.4 : Home Page**



**Figure 2.5 : Menu Page**



**Figure 2.6 : View Cart Page**



**Figure 2.7 : Checkout Page**

## **Chapter No: 7**

### **Conclusion**

The project covers the successful development of a decent GUI along with database connectivity. This website will be able to help students and teacher avoid their daily struggle experienced during lunch breaks and provide them with a system that is time efficient and practical in ordering food from canteen and making payment of the same. They will also be able to track their monthly consumption of canteen food through our order history functionality and they will be able to plan their diet and finances. In the end, our system will be safe and trouble free for the students and help them save their precious time.

## References

[1] [www.javatpoint.com/example-of-login-form-in-servlet](http://www.javatpoint.com/example-of-login-form-in-servlet)

[2] [www.javatpoint.com/how-to-build-a-web-application-using-java](http://www.javatpoint.com/how-to-build-a-web-application-using-java)

[3] [www.youtube.com/watch?v=obmNZNP8euU](http://www.youtube.com/watch?v=obmNZNP8euU)

Java MySQL simple project in Eclipse

[4] [www.youtube.com/watch?v=Gwwfetb5CJs](http://www.youtube.com/watch?v=Gwwfetb5CJs)

Java Swing Registration Form with MySQL Database in Eclipse

[5] [uxplanet.org/how-to-create-a-shopping-cart-ui-using-html-css-e5db3cd55aa0](http://uxplanet.org/how-to-create-a-shopping-cart-ui-using-html-css-e5db3cd55aa0)

How To Create a Shopping Cart UI

[5] [www.w3schools.com/howto/howto\\_css\\_checkout\\_form.asp](http://www.w3schools.com/howto/howto_css_checkout_form.asp)

How To Create a Checkout Form