

Comparison and Subscription-Based Canteen Management System

Ms. Anuja D. Jadhav¹, Ms. Priyanka K. Sonawane², Mr. Satyam D. Parkale³, Ms. Saurabh R, Kamble⁴, Prof. Vidya V. Jagtap⁵

^{1,2,3,4,5}Department of Information Technology, JSPM's Bhivarabai Sawant Institute of Technology and Research, Wagholi

Abstract: The project online canteen system helps users to book their food earlier. The users have to book their food on the menu card. As soon as they book their food the order will be sent to the chef for preparing it. The present system consists of a manual system that involves the paperwork of the billing system and maintaining the files too. In the proposed system the payment is online and the menu will be available for the user. The users will have the username and the password through which they can book. This project will help in demonstrating the route from adapting materials to developing an online environment. This brings all necessities in one place that benefits both the user and the canteen owner smartly.

Keywords: - RazorPay, OrderFood

INTRODUCTION

Taking the example of JSPM BSIOTR, there are 3 messes on the campus. Many times food in a mess is pre-emptively over while other times there's a lot of wait time. This combined with the fact that students have no idea of what the menu of the mess would be for the day makes a better choice. Our idea is to build software where the mess workers can put up the menus for their upcoming days. One day before, the students who have subscribed to the service would choose what mess they would like to go to and book the same.

RELATED WORK

Functional Requirements:

Create an account. Manage their account. Log into the system. Navigating the menu of the canteen system according to the presence of items at that period of time (I). Select an item from the menu. Options to customize the selected items. Add an item to their current order. Reviewing the current order of the customer after the modification. Providing the option

'Remove' to discard the items added to the current order.

Menu Management System

The menu management system is placing the main role in the online canteen system. The menu management system will be operated only by the canteen employees and the manager of the particular canteen. The menu will be managed according to the presence of items at that period of time. By managing in this manner the proper menu will be displayed to the users of the web ordering system. The menu management system manages and displays the menu to the user by using a graphical interface (VI). The menu management system afforded functions to the user with the ability to operate items, using a graphical interface: Add a new/update/delete item to/from a particular category of the menu of the canteen. Add a new/update/delete opinion for a given food item. Update additional information such as description, photo, etc. for the given food item. Delete the item if not present at that period of time and update the menu immediately. It is compulsory to update the menu after the addition/deletion of items.

Order Retrieval System

The order retrieval system is one of the simplest and most important parts of the online canteen system. The Order Retrieval System is functionally classified into three components. By these three components, the order retrieval system is simple to operate. Like the menu management system (II), it is designed to be used and operated only by canteen employees and the manager of the particular canteen.

APP Ordering System

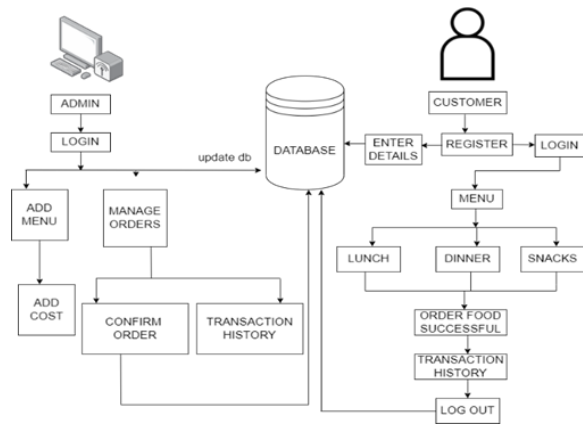
Adding an item to the order is done with a single button click. Users select which category of food they

would like to order, and therefore which form should be displayed, by navigating a menu bar, an approach that should be familiar to most users. Payment and delivery deals are done in a similar manner. The user is presented with a form and must complete the required fields. User-friendly: user interface should be kept simple and uncluttered. Since the different type of people, our canteen automation system should be more users friendly. Flexibility: Our project should be so flexible that whenever we want to make changes to

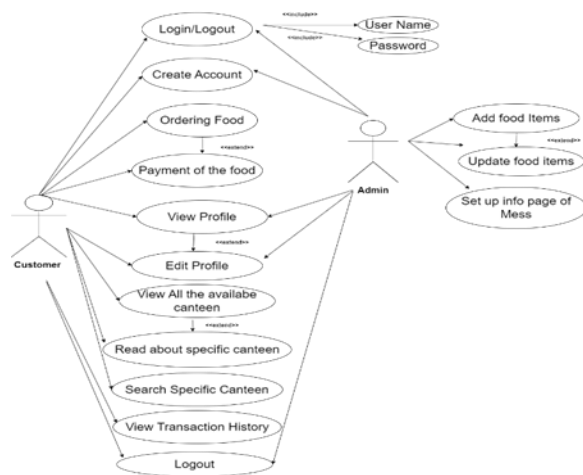
DESIGN TECHNIQUES

The working of the app has been done using the following technologies: -Flutter using Dart and firebase.

SYSTEM ARCHITECTURE



USE CASE DIAGRAM



FUTURE SCOPE

The system will maintain location-wise canteen details of a particular organization. The system will also provide home delivery in the future.

CONCLUSION

The user first visits our apps and makes an Account and completes the necessary procedure. After that, they are guided to the next page where they can browse through the food items and select and confirm their order. A summary of their order is generated and user confirmation is required. After confirmation, the summary is sent to the canteen owner and then they prepare the food item.

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