



North South University

Department of Electrical and Computer Engineering

Project Proposal

”Cafe Management System”

CSE311L

Section 4

Course Faculty
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1 Introduction

Nowadays a cafe is very common in the towns of our country. But the proper management of these cafes is quite difficult during the pandemic situation. So, the main aim of the project is to make a complete solution of management system for a cafe. This project has login module, item details module, offer module, available stock module, billing module, purchase module, payment module and review module. Consequently, the user can enter this site and order the available coffee and snacks item from different cafes. On the other hand, the owners will be able to know who has ordered what item. Finally the user can put a review on the cafe service which will be helpful for other users.

2 Objective

- To easily access the system from home.
- Get to know about items and the process of purchasing.
- Get the Information of discount.
- Get the payment and delivery option.
- Owner will also get to know who ordered what item.
- User will get the optional review section.
- survey report about the service.

3 Target Customers

- User will also get to know about different cafe reviews and available items of any cafe.
- Owners will be able to upgrade all the information of their cafe. And they can see the history of the weekly sales.

4 Value Proposition

This website will reduce the bothering and save the time of going to a cafe to get coffee or snacks and also help to reduce crowd as well as maintain social distance. Thus people can easily enjoy their desired snacks from home and owners can continue their cafe business properly in this COVID situation.

5 Web Application Feature and description

The web page will open with the customer view at first. It will be general view and anyone accessing the domain will be able to view it. This view will show all the cafes and a short description of the cafes. user has to create an account first to see and order any available item. Once a user has created an account, he/she can:

- Buy coffee or snacks item.
- Get Suggestion for alternative.
- Rate or give feedback.
- Get information related to a cafe.
- Pay online.

On top right there will be log in or sign up for cafe owners. They will be able to add their cafe and items to the database and see their customer order. Once a cafe Owner has created a profile, he/she can:

- See and update the information of their cafe, item and policy.
- see weekly and monthly ranking of the cafes.
- know the Feedback of the customers.

6 Tools and Resources

HTML
CSS
Javascript
PHP
MySQL
Web Server
API

7 Challenge

The first challenge will be the cost of maintaining this system as it will work with a lot of data. The next challenge is to make the cafe owners and customers interested using this system. Another challenge is to maintain the security as user can pay bills with credit cards , so this can be difficult. UI also need to be simple so that general people can use it easily.