3rd Sem Mini Project Report

Session : 2021-22

Project Title :

Canteen Management System

Submitted By :

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Section : K , Roll No: 28

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<u>CERTIFICATE</u>

Certified That Mr. Mohit Singh Dhami (Roll No : 28) Has Developed Mini Project on " Canteen Management System " For the CS 3rd Semester Mini Project in Graphic Era Hill University , Dehradun.

The Project Carried out by Student is their own work as best of my knowledge.

<u>Mr. Akash Chauhan</u>

Class Co-Ordinator

CSE-K , 3rd Sem

(CSE Dept.)

GEHU, Dehradun

<u>Ms. Sonali Gupta</u>

Project Guide

Resource Person

(CSE Dept.)

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ACKNOWLEDGMENT

We Wish to Thank our Parents for their Continuing Support and encouragement. We also wish to Thank Them for Providing us with the opportunity to reach this far in our studies.

We would like to thank particularly our Class Co-Ordinator Mr. Akash Chauhan and our Project Guide Ms. Sonali Gupta for his Patience, support, and encouragement throughout the completion of this project and having faith in us.

At Last, but not the Least We greatly indebted to all other Persons who directly helped us during this work.

Mr. Mohit Singh Dhami

Roll No : 28

CSE–K–3rd–Sem

Session: 2020 - 2021

Problem Statement

Build a Canteen Management System Which Allows Customers to Buy Food Items of Their Choice and Generate a Suitable Bill at end.

Also allow The Owner of The Canteen to Easily Tracks all His Sales Record and in addition Provide him an Easy way to Edit and Customize his Canteen Inventory.

Motivation

I was very Much excited to make this project because firstly It was my semester Project so that means I will get marks out of it and secondly, I also wanted to make this kind of project especially using C++ language because as we observe and use this Kind of utility in our daily Life, so as a CS Student I Found It Interesting To Make The Same of my own with addition of my thoughts and Ideas.

So, I invested my lots of weeks in making of this application as better as possible with the knowledge I had.

Tools Used

1. Programming Language : C++

2. Code Editor : Visual Studio Code

3. OS Platform : Windows

Methodology

The Application Startups with Simple Welcome Page Followed by User Selection Page

(Customers Page , Admin Page)

Customers Page

Inside Customers Page we allow Customers to buy Items from a Given List of Items by Entering its Serial No and Quantity.

After Buying all Items the Customers has To Enter His Name into the System and Then We Send Him to Checkout Page Where He can Summarize his Buy List and we also give him Option to Apply a Coupon Code Which can give him 10-50 % Discount on his Total Amount.

After this Stage, We Come Finally to The Invoice Generation Page in which User can Clearly see His Name at the Top Followed by Time-of-Purchase

And All the Items Bought Below in The Tabular Format with The Amount to Be Paid.

Admin Page

Before Entering into The Admin Page, User has to Complete an Admin Verification Step, which is simply Step of Entering Password to Verify Whether Current User is a Valid Admin or not.

With Successful Verification, we allow User to Access Admin Page Where We Provide Two Option to the Admin :

I. Customize Food Menu

    1. Add New Item

    (Exact Position, Beginning, Bottom)

    2. Delete Item

    3. Replace Item

II. Check All the Sales he Made

In This Section the Admin of The Canteen Can Check All the Sales his Canteen Made and How Much Overall Revenue They Have Generated.