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**Project Title:** Canteen Management System

# Introduction

Canteens are a go to place for any student or employee when they need a break from their hectic routine and have a snack or just gossip with their fellow classmates or colleagues. In their hectic routine they spare a very little time to visit the canteen. For that matter we want to provide a management system to reduce the customers waiting time.

# Objective

The main objective of this project is to provide fast and easy service to the customers. This project will also allow the user to manage the food items, its sale, and the orders received and executed in a very systematic manner.

# Problem Description

* Faster Food service.
* Less crowdedness and chaos hence, a relaxing environment.
* Easy billing service.
* Better and improved management.

# Methodology

We will be applying all the knowledge we have gained about object-oriented programming so far and the topics we yet have to study for the execution of this Canteen Management system. The main three modules of this management system are:

* **Item Module.**
* **Stock Module.**
* **Sales Module**.

All these modules will be able to add, edit, update, access, and delete items and

different details. This will be done by using pointers. Arrays will be used for

storing food items, stocks, and sales list as they are very large group of data.

Composition, Polymorphism and virtual functions will be used for class

building. Other concepts of OOP and C++ will be used accordingly.

# Project Scope/ Solution Application Areas

This management system can be used in any canteen of a school, university, or firm to provide faster, easier, and reliable food service to the customers.

# Expertise of the Team Members

We have 6 members in our group who will be working on this project. This project contains three modules. So, each module will be assignment to two group members for fair distribution. They will work on their respective assigned module according to their understanding of object-oriented programing.

# 7. References

1. https://www.codewithc.com/c-projects-with-source-code/.

2. https://www.freeprojectz.com/paid-projects/canteen-management-system.