



Bakery Management System

Project Plan

Link: <https://github.com/mmn-siddiqui/Bakery-Management-System>

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1. Introduction

1.1. Project overview:

Our project is a “Bakery Management System”. This software provides a complete business solution to run a bakery. The project includes multiple features like add, update, and delete products, billing system, check on stock, and user feedback option.

Our project comprises of user interface which will be used to manage products and a database. All the data will be stored in the database manually like item picture, its name, quantity, flavor, etc. There will be a login panel where the admin of the bakery can manage the bakery items and can see user's feedback. When the admin adds an item to the inventory the database is updated with products quantity and price so that it can be shown inside the system and when a purchase is made a general invoice with the item name and the quantity is created and the quantity of an item purchased will be subtracted from the database. And the system would be able to generate a report about the monthly sales.

1.2. Project deliverables:

The following are the deliverables for this project:

a) Preliminary Project Plan	-----	Deliverable 1
b) Requirements Elicitation	-----	Deliverable 2
c) Requirements Analysis	-----	Deliverable 3
d) Architectural Design	-----	Deliverable 4
e) Object/Component Design	-----	Deliverable 5
f) Coding	-----	Deliverable 6
g) Testing	-----	Deliverable 7

1. **Preliminary Project Plan:** A text and a presentation describing the project's formal specifications, both functional and non-functional. This deliverable ensures that the group is developing a system that strongly matches the Client's requirements. Before allowing the community to continue with the design, this deliverable helps the Client to change and fix things that were miscommunicated or ignored.
2. **Requirements Engineering:** This is the Group's opportunity to explain to the Client how the idea will be executed. Based on the understanding of the criteria defined in the previous deliverable, this deliverable is completed by the Group's most technical and experienced member.
3. **Requirements Analysis:** This deliverable brings the project to a conclusion. The Group provides the final documentation based on the specifications defined.
4. **Architectural Design:** A database containing the necessary tables for the inventory system. On the bakery servers, a database with the tables required in the system to store inventory information must be set up.

5. **Object/Component Design:** An administrative interface for adding, updating, deleting, and searching inventory, allowing the system administrator to add information to the inventory system for any product that exists in the bakery and to maintain an electronic record of the bakery's resources.
6. **Coding:** The entire project will be implemented using all of the required features.
7. **Testing:** We test the program ourselves and conduct unit testing in this deliverable. We offer this program to the client for feedback after we have completed unit testing.

1.3.Evolution of this document:

This is a preliminary document with the scope of the project.

1.4.References:

1.5.Definitions, Acronyms, and Abbreviations:

1. **ERP:** It's a business process management software that manages and integrates a company's all operations.
2. **Invoice:** A list of goods sent, or services provided, with a statement of the sum due for these, a bill.