

Project Plan

I. Title : Delight Kitchen

II. Description :

- The Restaurant Management System helps the restaurant manager to manage the restaurant more effectively and efficiently by computerizing menu ordering, billing and inventory control.
- The system processes transactions and stores the resulting data. Reports will be generated from these data which help the manager to make appropriate business decisions for the restaurant. For example, knowing the number of customers for a particular time interval, the manager can decide whether more waiters and chefs are required. Moreover, easily calculate daily expenditure and profit.
- The whole management system is designed for a general Computerized Digital Restaurant. So that any restaurant owner can get it and can start an automated process to his restaurant.

III. Scope :

- This system will help to manage the restaurant business systematically. In this management system, we will provide a web application that can be used by the Manager along with the staff of that restaurant to manage the food orders given by the customers, so that the manager of that restaurant can monitor and ensure the smooth conduct of the whole system.
- This will lead to serving food faster and ultimately a better kitchen place to revisit it again. In addition to this, the system is capable of hiring different job roles required for a restaurant, the required information about staff will be saved in the system which can be only accessed by the system admin.

IV. Actors / Roles and their Role descriptions :

- ❖ There are various role in a restaurant
 - Manager
 - Chef
 - Cashier
 - Waiter

❖ Functionalities of different Role:

- Manager
 - Add/Manage Food(Availability)
 - Add/Manage Tables
 - Add/Manage Staffs
 - Add/Manage Orders
 - Billing of Orders

- Chef
 - Add/Manage Food(Availability)
 - Manage Orders

- Cashier
 - Billing of Orders

- Waiter
 - Add/Manage Orders

V. Timeline :

Date	Phases
15-08-2023	Project Plan , Project Requirements gathering , SRS Documentation
16-08-2023	System Design – ER Diagram , Data Flow Diagram
17-08-2023	System Design – UML Diagrams
18-08-2023	Implementation
19-08-2023	Implementation
20-08-2023	Implementation
21-08-2023	Implementation
22-08-2023	Implementation
23-08-2023	Testing
24-08-2023	Integration Testing
25-08-2023	Deployment
26-08-2023	
27-08-2023	Project Presentation Practice
28-08-2023	Project Presentation(Tentative)

VI. Requirements

○ External Requirement

⇒ Back-end Server

- ★ For backend we have used J2EE (Spring Boot)
- ★ Minimum 4 gb ram required
- ★ Minimum Intel core i3 required
- ★ Software or Ide we will use STS, Git etc.

⇒ Database Server Configuration:

- ★ For database Management we will used RDBMS
- ★ MySQL is the database software will use

⇒ Operating System Configuration:

- ★ For development windows is the perfect
- ★ But Linux OS can be also used

○ Performance Requirement

- The product will be based on a local server.
- The product will take initial load time.
- The performance will depend upon hardware components.
- Payment system will be fully secure through the POS system.
- Different databases for employees.

○ Safety and Security Requirements

- The source code developed for this system shall be maintained in configuration management tools. .
- The whole system is secured only Admin (Manager) can access All the data.
- This system will use HTTPS, Because of this protocol this is more secure.
- Payment system will be fully secure through the POS system.
- Different databases for employees.
- It should be as per the industry standard.

VII. System Design (Basic) :

