Capgemini

High Level Design & Low Level Design

1.Introduction

1.1 Intended Audience

The online food ordering system is one of the latest services most which are mostly adopting. With this method , food is ordered online and delivered to the customer. So, the system designed in this project will enable customers go online and place order their food.

1.2 Project purpose

The main purpose of an online ordering system is to provide customers for a way to place an order at any of the restaurant over the internet. It can also save their favourite orders allowing them to easily re-order that in the future. The main reason is that it benefits both the customer and business.

1.3 Key Project Objectives

-The main objective of the Project on Online Food Delivery System is to manage the details of Category, Customer, Order, Confirm Order.
-It manages all the information about Food items, Payment, Confirm Order.
-Multiple clients connected to a single server.
-It delivers late for the shortest distance.

1.4 Project Scope and Limitation

-It provides users with a convenient way to sale from your online delivery app.
-Admins can use this app as one big super market app to sale product of your store.
-This app makes easy for user to buy product from store with easy steps and store can get easy order
-It satisfys the customer requirement.
-Delivered on scheduled time within the budget.

1.5 Functional Overview

Following header files are included in the program:

- #include <stdio.h>
- #include <stdlib.h>
- #include <string.h>
- #include <ctype.h>

2.Design Overview

- **Remote Line Editor comprises of the following modules in maintain database:**

Name of the Module	Customer Registration Process
Handled by	
Description	The function is used for customer registration .

Name of the Module	Menu System
Handled by	
Description	The function is used to display the contents of the menu.

Name of the Module	Order Status
Handled by	
Description	This function is used to check whether the order is placed or not.

Name of the Module	Payment Modes
Handled by	
Description	This function is used to display different types of payment modes.

Name of the Module	Booking delivery slots
Handled by	
Description	This function is used to select the convenient slot.

Name of the Module	Order Tracking
Handled by	
Description	This command is used to know the tracking of the delivery person

Name of the Module	Order Confirmation
Handled by	

Description	This command is used to display that the order is confirmed

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Design Objectives

- The product and services offered would provide the customers with all the different categories of available products that they can choose and select from.
- This will provide a user friendly environment between the customer and employee thus, increasing the efficiency of the food ordering system.
- It will also help for easy retrieval of orders made by the customers.

Architectural Strategies

2.2.1 Design Alternative

We have used two structure to store data i.e. admin and Customer and further it and used in the program.

2.2.2 Performance

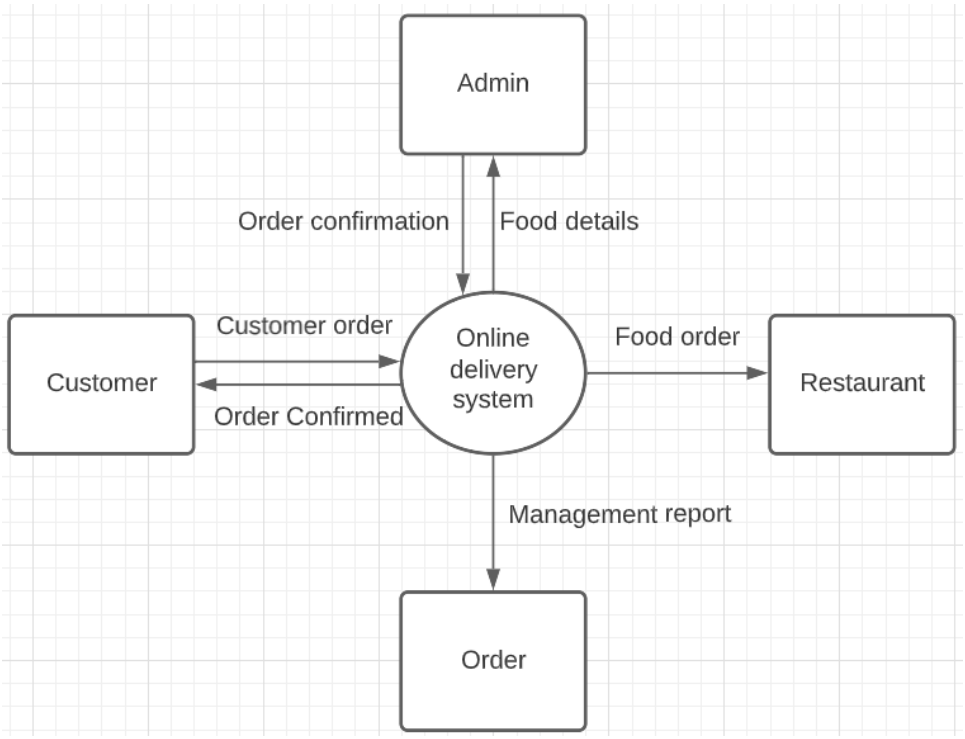
The system will work on the user's terminal. The performance shall depend upon server.

2.2.3 Maintenance

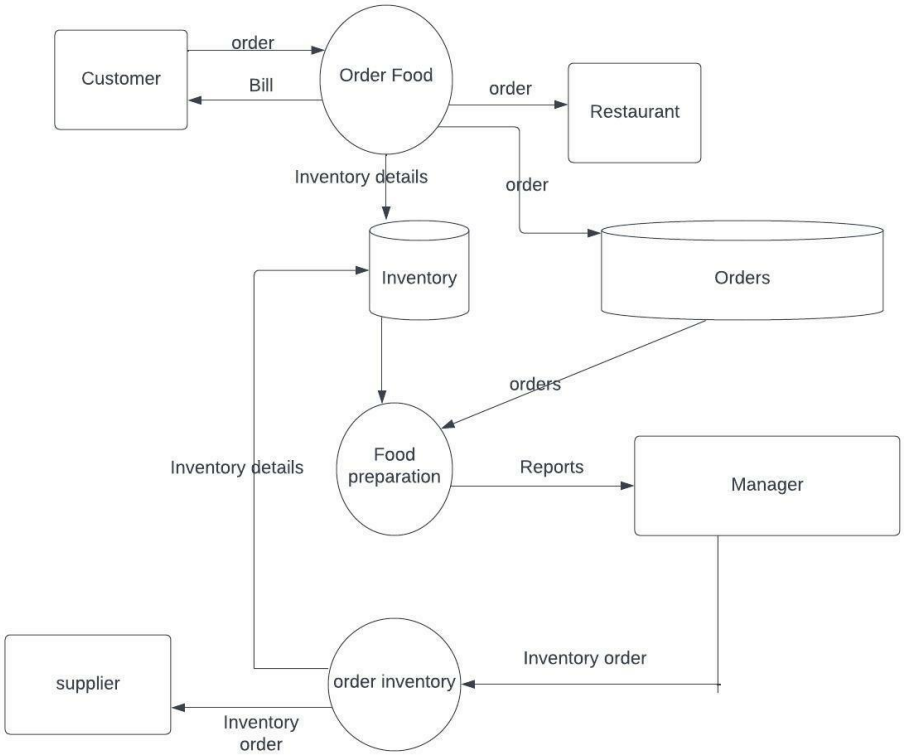
Very little maintenance should be required for this setup. Initially the admin needs to login whether as authenticated or as anonymous user. Admin needs to run the application then only customer can access the application and make the process easy for the customer to order food anywhere and anytime.

2.Detailed System Design

- **DFD Level 0**



- **DFD Level 1 1**



2. Environment Description

- **Time Zone Support**

  IST-Kolkata

- **Language Support**

  English

- **User Desktop Requirements**
  - 64-bit processor, 1 GHz or faster
  - At least 10 GB free hard drive space
  - At least 1 GB RAM Server

- **Server-Side Requirements**
  - 64-bit processor, 1 GHz or faster
  - At least 2GB free hard drive space
  - At least 1GB RAM

5.4.1. Deployment Considerations

- Local storage is used
- No network latency to consider
- To scale buy a bigger CPU, more memory, larger hard drive, or additional hardware

5.4.2. Application Server Disk Space

No such disk space is required as the program is fully functional on online IDE(s) as well.
Local Operating System is required and txt file to store the records of users.

5.4.3. Database Server Disk Space

No such disk space is required as the program is fully functional on online IDE(s) as well.
Local Operating System is required and txt file to store the records of users.

5.4.4. Integration Requirements

- Language: - C
- Tools: - Valgrind, Makefile, Gcoverage, Gprof
- Complier: - gcc
- Linux Environment

5.4.5. Network

End to End

- **Configuration**

5.5.1. Operating System

Linux environment

Change Log

QMS Template Version Control (Maintained by QA)			
Date	**Version**	**Author**	**Description**
28-May-2015	1.0	QA Team	Initial Version