Software Requirement Specification (SRS)

**Online Food Delivery (OFD)**

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1.Introduction

**1.1 Purpose:**

This document is meant to delineate the features of Online Food Delivery(OFD), so as a guide to the developers on one hand and a software validation document for the prospective client on the other hand.

The OFD web application is intended to provide complete solutions for vendors as well as customers through a single get way using the internet. It will enable vendors to setup online food centers, customers to browse through the hotels/food centers and purchase them online without visiting the hotels/food centers physically. The administrator module will enable a system administrator to approve and reject requests for new hotels/food centers and maintain various lists of shop category.

**1.2 Scope:**

The system allows the customers to maintain the carts to add or remove the food items over the internet.

**1.3 Definitions:**

OFD – Online Food Delivery

SRS – Software Requirement Specifications

GUI – Graphical User Interface

Stackholder - The person who will participate in system

Ex: Customer, Administrator, Visitor, Vendor, etc.

**1.4 Reference:**

From the guidelines of my trainer, some reference books and from the internet.

**1.5 Overview:**

This system provides an easy solution for customers to buy the food without going to the hotels/food centers and also to owners to sale the food.

This proposed system can be used by any naïve users and it does not require any educational level, experience or technical expertise in computer field but it will be of good use. If user has the good knowledge of how to operate a computer.

2. Overall Description:

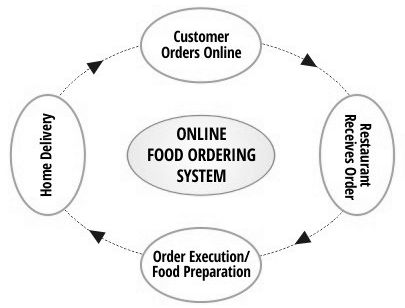
The OFD application enables vendors to set up online food centers, customers to browse through the food centers, and a system administrator to approve and reject requests for new food centers and maintain lists of food centers categories. Also the developer is designing an online ordering site to manage the items in the food center and also help customers to purchase them online without visiting the food center physically. The online food delivery system will use the internet as the sole method for selling goods to its customers.

**2.1 Product Perspective:**

This product aimed towards a person who don’t want to visit the shop as he/she might don’t get time for that or might not interested in visiting and dealing with lot of formalities.

**2.2 Product Functions:**

OFD should support this functions:



**2.3 User Characteristics:**

User should be familiar with the terms like login, register, sing up, etc.

**2.4 Principle Actors:**

Principal actors are customers and administrator.

**2.5 General Constraints:**

A full internet connection is required for OFD.

**2.6 Assumptions and Dependencies:**

For OFD a full time internet connection is required.

3. Specific Requirements:

**3.1 Functional Requirements:**

This section provides the requirement overview of the OFD system. Various functional modules that can be implemented by the system will be –

**3.1.0 Description:**

The item’s quality, quantity, its cost and its review given by the people is given in the description.

**3.1.1 Registration:**

If the customer wants to order any item, if a vendor wants to join with the product they have to register with their credentials. Without registration the product will not allow to use it. The product will provide separate registration pattern for customer and vendor.

**3.1.2 Login:**

Customers or vendors can login to the product by providing their valid user id and password for their registered account.

**3.1.3 Cart:**

Customer after login can make orders or remove orders of the product from the cart. One order or more than one orders can place using the cart.

**3.1.4 Payment:**

In this product customers can use different kind of payment modes like cash on delivery, UPI, debit /credit cards, etc.

**3.1.5 Report Generation:**

After ordering using the product, the system will send one copy of the bill to the customers e-mail id or a message to the mobile number and another one for the system database.

**3.1.6 Logout:**

After ordering the items using product the customers can log out or after receiving the product customers can log out.

**3.2 Non-Functional Requirements:**

Following Non-Functional Requirements will be there in the insurance to the internet:

1. Secure access to customer’s confidential data.
2. 24/7 availability.
3. Better component design to get better performance at peak time.
4. Provide best quality of the item to the customers
5. Flexible service based architecture will be highly desirable for future extension. Non-Functional Requirements define system properties and constraints.
6. Providing offers to the customers at the right time.
7. Various other Non-Functional Requirements are:

Security

Reliability

Maintainability

Portability

Extensibility

Reusability

Compatibility

Resource Utilization

**3.3 Performance Requirements:**

In order to maintain an acceptable speed at maximum number of uploads allowed from a particular customer as any number of users can access to the system at any time. Also the connections to the servers will be based on the attributes of the user like location and server will be working 24/7 times.

**3.4 Technical issues:**

This system will work on client server architecture. It will require an internet server and which will be able to run PHP application. The system should support some commonly used browser such as IE, Mozilla Firefox, Chrome, etc.

4. Interface Requirement:

Various interfaces for the product could be-

1. Login page.
2. Registration form.
3. There will be a screen displaying the information about product and items contains in the product.
4. If the customer selects the buy option, then another screen of cart will be opened.
5. After ordering through product, the system will send one copy of the bill to the customer’s e-mail id or message to the mobile number.

**4.0 Software Interface:**

1. Operating system: Windows 7 Ultimate which support networking.

2. JAVA development toolkit.

**4.1 Hardware Interface:**

Hardware requirements for insurance on internet will be same for both parties which are as follows:

|  |  |
| --- | --- |
| Processor | Dual core |
| RAM | 2GB |
| Hard disk | 320GB |
| NIC | For each party |

**4.2 Communication Interfaces:**

The two parties should be connected by LAN or WAN for the communication purpose.

5. System Design specification:

**5.1 Architecture Design:**

**5.1.1 Data Flow Diagram(DFD):**

It is a way of representing system requirements in graphical from; this led to modular design. A DFD describes a data flow (logical) rather than how they are processed. So they do not depend upon software, hardware, data structure or file organization. It is also known as ‘bubble sort’.

A DFD is a structured analysis and a design tool that can be used for flowcharting in place of, or in association with, information oriented and process oriented system flowcharts

A DFD is considered as an abstract of the logic of information oriented or process oriented system flowchart. The following flowchart shows the DFD. 