Software Requirement Specification(SRS)

for

Online Food Delivery System(OFDS)

1] Introduction

1.1) ***Purpose***:

This document is prepared to describe the features of OFDS, so that we can fulfill the requirements of the people. The Online Food Delivery System (OFDS) is for the people who are willing to order their food using the internet. It is not only useful to the people but also the vendors. People can order any food item using this. People can pay their amount using online payment or cash on delivery. The admin will have control over the orders and will be able to send the correct item at correct place.

2.2) ***Scope***:

Using this system people can order the food online. This will be helpful to the people and vendors in many ways.

1 .3) ***Definitions***:

OFDS- Online Food Delivery System

SRS- Software Requirement Specification

GUI- Graphical User Interface

Stakeholder- The person who is interested in the system Ex. Customer, Administrator, Visitor.

1.4) ***References***:

Basics of Software Engineering, IEEE standards for writing SRS.

1.5) ***Overview***:

This software will be very useful to support the hotels to reach their product to every house and people will be able to order their food online using this.

2]***Overall Description***: Using our OFDS application any individual can place their food order in the nearby restaurants. They can pay through online or else they also have cash on delivery option. Hotels can also put their menu in this application so that everyone will have a clarity over the food items which are available.

2.1) ***Product Perspective***:

This Application is especially for those people who don’t want to visit the hotels and also for those who doesn’t get time to buy the food at hotel, they can order any food item in the nearby restaurant by online

2.2) ***Product Functions***:

2.3) ***User Characteristics***: Every Individual should have an Idea like login, register, order, payment system etc.

2.4) ***Basic Actors***: Two Basic Actors Are Customer and Admin.

2.5) ***General Constraints***: Internet connection is required for OFDS.

2.6) ***Assumptions and Dependencies***: Working of OFDS need Internet Connection.

3] ***Specific Requirements***:

3.1) ***Functional Requirements***: It is the control unit of the application. It’s like giving a particular output for a particular input. It will control the traffic of the site. It will accept the login if the provided information is correct and will decline if the information is wrong.

*3.1 Description:*

***3.1.1*) *Registration:*** If customer wants to order any meal, any individual should register with their phone number or email ID.

***3.1.2 Login:*** Customer logins to the system by entering valid user id and password for ordering the food.

***3.1.3 Changes of Orders:*** Changes of orders means the customer after login or registration can make order or cancel order of the meal from their cart.

***3.1.4 Payment:*** In this application we are providing the service of paying through UPI bank account, Online banking and cash on delivery.

***3.1.5 Logout:*** After ordering meal customer has to logout.

***3.1.6 Report Generation:*** After pacing an order for the meal, the system will send a copy of the bill to the customer phone or registered E-mail.

3.2**) *Non-Functional Requirements***:

**3.2.1 Performance Requirements**  
Application can handle high level of traffic without any delay or lag and will give the output in seconds.

**3.2.2 Safety Requirements**  
Application will have high level of security towards your data and will make secure payments while placing an order.

**3.2.3 Security Requirements**  
It’s very easy to handle this application and the food which is ordered will be delivered at exact location with an OTP generated to your registered mobile number or E-mail

**3.2.4 Error handling:**

OFDS shall handle expected and unexpected errors in ways that prevent loss in information and long downtime period.

4] ***Interface Requirement:***

Various Interfaces for application would be like:

For customer:

1. Login Page.
2. Different foods offered by different restaurants.
3. Choosing different Payment methods.
4. Conforming the order.

For a Restaurant:

1. Login Page
2. Describing the Meal that they can offer.
3. Receiving the order from customers.
4. Receiving the payment and sending the meal.

* This application doesn’t have any specific software and hardware requirements because it runs on every interface, it just requires an internet connection

***5.System Design Specification***: (*Architecture Design*)

It is a way of representing system requirements in graphical form, this led to modular design. A DFD describes a data flow 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 processoriented system flowcharts. A DFD is considered as an abstract of the logic of information-oriented or process-oriented system flowchart