

# Software Requirements

## I. Product Definition

### Problem Statement

To create a site that automates the process of placing orders and reduces miscommunication and discrepancy that occur during the order process and generates the bill automatically.

### Functions to be provided

1. Login and signup of the user
2. Admin login
3. Order placed from user to admin
4. Bill Calculation
5. Update and recover password

### Processing environment: hardware/software

1. Notepad
2. Web Browser (Google Chrome 53)
3. XAMPP

### User Characteristics

1. Customer
  - Place order
  - Retrieve password
  - Update password
  - Login and Signup
2. Owner
  - View orders
  - View customer details

### Solution Strategy

Creating and developing a website which handles requests by the customer and provides the owner with appropriate controls.

## **Product Features**

- Login page
- Signup page
- Forgot Password
- Menu Page
- About Us page
- Location
- Admin view
- Bill generation
- Order database management
- Customer database management

## **Acceptance Criteria**

Simplifies the ordering process and reduces the time complexity.

## **Sources of Information**

- W3Schools
- Google Material Design
- Stack Overflow
- GitHub

## II. Project Plan

### Life Cycle Model

The software requires the use of waterfall model for developmental processes.

### Team Structure

Non-egoistical work model:

- Front-end designing – Sachin Gopal and Sanchay Gupta
- Back-end designing – Kashish Miglani and Osho Agyeya

### Development Schedule

Milestones:

- Requirement elicitation
- Requirement analysis
- Preliminary design
- Final design
- Modular division
- Unit coding
- Module integration
- Testing

Reviews

- PFR (Product Feasibility Review)
- SRR (Software Requirement Review)
- PDR (Preliminary Design Review)
- CDR (Critical Design Review)
- SCR (Source Code Review)
- ATR (Acceptance Test Review)
- PRR (Product Release Review)
- PPM (Project Post-Mortem)

### Programming languages and development tools

- HTML
- CSS
- JavaScript

- SQL
- PHP
- jQuery
- XAMPP

## **Documents to be prepared**

- System Requirements
- Software Requirements Specification
- Design Document
- User's Manual
- Test Plan
- Source Code Documentation
- Project Legacy

## **Manner of demonstration**

Hosting the website on a single system which acts as both the server and client system.

## **Sources of information**

- W3Schools
- Google Material Design
- Stack Overflow
- GitHub
- Software Engineering: A Practitioner's Approach by Roger Pressman