|  |  |  |
| --- | --- | --- |
| **S.NO.** | **TITLE** | **PAGE NO.** |
| 1  1.1  1.2  1.3 | Introduction  Purpose  Scope  Overview | 2  2  2  2 |
| 2 | General Description | 2 |
| 3  3.1 | Functional Requirements  Description | 2  2 |
| 4  4.1  4.2  4.3 | Interface Requirements  GUI  Hardware Interface  Software Interface | 3  3  3  3 |
| 5 | Performance Requirement | 4 |
| 6 | Design Constraints | 4 |
| 7 | Other Non - Functional Attributes | 4 |
| 8 | Operational Scenarios Preliminary Schedule | 5 |

**TABLE OF CONTENTS**

**1 INTRODUCTION**

***1.1 Purpose***

The purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. The purpose of this SRS is to outline both the functional and non-functional requirements of the subject Food delivery website and application. Its intention is that the presented set of requirements possesses the following qualities, correctness, unambiguousness, completeness, consistency, verifiability, modifiability and traceability. Consequently, the document should act as a foundation for efficient and well-managed project completion and further serve as an accurate reference in the future.

***1.2 Scope***

The “Food delivery website and application” allows its users to register and then select the food items of their choice from the menu list and order food online to avoid the hassles of long queues, hence save people time. This application allows the user to give feedback and pay payments after receiving their order. This system allows the customers to maintain their cart for add or remove the product over the internet.

***1.3 Overview***

 Food delivery website allows to accept and manage food orders placed online for delivery or takeaway. Customers browse a digital menu, either on an app or website and place and pay for their order online

**2 GENERAL DESCRIPTION**

The user can place orders for the food items of their choice from the list. The payment can be made online or pay-on-delivery options. The user's details are maintained confidentially because it maintains a separate account for each user. An id and password are provided for each application user.

**3 FUNCTIONAL REQUIREMENTS**

***3.1 Description***

1. User Management:
2. The application must provide two types of users: Admin and Customer.
3. Admin must be able to add, update, and delete the user accounts.
4. Customers must be able to create new accounts with their personal details such as name, number, address, city, and email.
5. Restaurant Management:
6. Admin must be able to add, update, and delete the restaurant details such as name, address, menu items, and price.
7. Customers must be able to view the menu items of different restaurants.
8. Order Management:
9. Customers must be able to add food items to the shopping cart and place orders.
10. Customers must be able to fill a form providing their name, number, address, city, delivery timeslot, and payment method (cash on delivery) after they checkout from the shopping cart.
11. Admin must be able to verify all the orders details and update the status of the orders as per the delivery status.
12. Reporting:
13. Admin must be able to generate reports such as order details, restaurant details, and customer details.
14. Admin must be able to view the sales report, revenue report, and profit report.
15. Security:
16. The application must ensure the security of user data such as name, address, and payment information.
17. The application must ensure secure communication between the server and the client.

**4 INTERFACE REQUIREMENTS**

***4.1 GUI:***

The interface in the web application is designed to limit free form user input, using mostly drop-down menus, radio buttons and check boxes. This is done to simplify the ordering process as much as possible. Free form input is necessary  in  the menu management component, as all of the values must be user supplied. The interface for this application consists grids and tables comprising text fields, images and placeholders.

Various interfaces for the product could be-

* Login Page
* Registration Form

1. A visible homepage showing top rated restaurants and holding a search box to enable users search for their favourite restaurants and foods.
2. A window of the selected restaurant will display food items with price and when a selection of food is made a window of the cart will get prepared.
3. The User can check out the cart items and make possible payments.
4. After the translation the super will be supplied with a receipt of the above transaction.

***4.2 Hardware Interfaces***

The System must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g., Modem, WAN – LAN, Ethernet Cross-Cable.

***4.3 Software Interfaces***

Any window-based operating system with DOS support are primary requirements for software development.

Also, any OS that can support any web browsers.

The systems must be connected to the internet.

**5 PERFORMANCE REQUIREMENT**

1. The application must perform well with high traffic and multiple users accessing it simultaneously.
2. The application must be responsive and provide quick results.
3. The server shall be capable of supporting an arbitrary number of surface computers, tablets and displays, that is, it shall provide no limit on how many devices are in the system
4. The server shall be capable of supporting an arbitrary number of active customer payments, that is, no payments shall be lost under any circumstances.

**6 DESIGN CONSTRAINTS**

The client environment may restrict the designer to include some design constraints that must be followed. The various design constraints are standard compliance, resource limits, operating environment, reliability and security requirements and policies that may have an impact on the design of the system. An SRS should identify and specify all such constraints.

* **Standard Compliance:** It specifies the requirements for the standard the system must follow. The standards may include the report format   and according procedures.
* **Hardware Limitations**: The software needs some existing or predetermined hardware to operate, thus imposing restrictions on the design. Hardware limitations can include the types of machines to be used operating system availability memory space etc.
* **Fault Tolerance**:  Fault tolerance requirements can place a major constraint on how the system is to be designed. Fault tolerance requirements often make the system more complex and expensive, so they should be minimized.
* **Security:** Currently security requirements have become essential and major for all types of systems. Security requirements place restriction s on the use of certain commands control access to database, provide different kinds of access, requirements for different people, require the use of passwords and cryptography techniques, and maintain a log of activities in the system.

**7 NON - FUNCTIONAL REQUIREMENTS**

Non-functional needs are system requirements that are not tied to a single function or service provided by the system, but rather to the system’s overall characteristics. Here are a few examples of non-functional criteria for a meal ordering system:

1. **Security:** The system should prevent unauthorized access or misuse of sensitive information, such as consumer payment and personal information.  
   This could include regulations for the use of encryption, secure servers, and other data integrity safeguards.
2. **Scalability** refers to the system’s ability to accommodate increases in the number of users or orders without deteriorating performance.  
   This could include the capacity to add more servers or other hardware as needed to accommodate rising demand.
3. **Reliability:** The system should be available and working when required, with as little downtime as possible.  
   This could include requirements for the system’s ability to handle failures or unforeseen events, as well as the utilization of backup systems and processes to assure service continuity.
4. **Maintainability**: With a clear and well-documented codebase and a solid testing and deployment procedure, the system should be simple to upgrade and maintain over time.  
   This could include requirements for using version control, automated testing, and other tools and processes to keep the system reliable and up to date.
5. **Usability:** The system should be simple to use for both customers and restaurant employees, with a clear and intuitive interface and simple navigation.  
   This could include criteria for the system’s layout and design, the use of clear and simple language, and the provision of assistance and support.
6. **Performance**: The system should be able to process a high volume of orders efficiently.  
   This could include system speed, the quantity of orders it can process at once, and the ability to handle peak periods of activity.

**8 OPERATIONAL SCENARIOS**

1. **Search Functionality**

* Validation that the restaurant name is searchable in the search text box.
* Validation that the cuisine name is searchable in the search text box.
* Validation that the dish name is searchable in the search text box.
* Validation that matching suggestions should be shown when search items do not match any of the relevant records.
* Validation that the appropriate search results should be shown when an item is searched.

1. **Home Page**

* Validation that billing discounts should be displayed on the home page.
* Validation that past orders should be shown on the home page for quick delivery.
* Validation that restaurants should be shown on the home page as per distance from the delivery location.
* Validation that the right delivery location should be shown.
* Validation that the filter and sort options should be provided on the home page. Filters options such as Cuisines and rating should be shown. Sorting of restaurants should be done as per sort criteria such as rating, delivery time, cost.
* Validation that history and donate options should be shown on the home page.

1. **Ordering Page**

* Verify restaurant name and rating along with photos should be displayed clearly.
* Verify cuisines served by restaurants should be shown under restaurant names such as north Indian, Chinese, and others.
* Verify reviews should be clearly shown so that people can order based on those based on filters.
* Verification that the veg and non-veg toggle options should be present with dot representation.
* Verify add option should add the item to the cart.
* Verify all items should be listed clearly along with their prices.
* Verify the best offer of the restaurant should be shown in the lower section of the page.
* Verify users can customize the order for the customizable items.
* Verify recommended section should be displayed.
* Verify menu hamburger option should be shown and upon clicking, should open the menu based on umbrella categories for easy ordering.
* Verify images should be correctly shown against the item.

1. **Cart Page**

* Verification that delivery location should be shown on the cart page.
* Verify right items are displayed on the cart page.
* Verify that option is available to increment or decrement the number of items.
* Verify the option to delete the item is available.
* Verify offers section should be displayed.
* Verify offer should be applied successfully when the user applies one offer.
* Verify option to tip your valet should be available.
* Verify the invoice should be generated correctly.
* Verify there is an option to ad voice directions.
* Verify delivery location can be changed.
* Verify when the delivery location is changed and if the delivery location is not serviceable then an error message should be shown.
* Verify your details should be shown.
* Verify there should be an option to order for someone else.
* Verify pay using option should be shown.
* Verify upon clicking of pay now, different payments options should open.
* Verify different payment options should work correctly.
* Verify cart should retain the products even if the app is closed.
* Verify upon adding another item from the different restaurant the earlier item should be removed automatically.

1. **Account Section**

* Verify different account options should be shown for the user,
* Verify past orders, favorite orders, and address book can be accessed from the account section.
* Verify help option should be shown in case any help is required.
* Verify about, send feedback, log out options should be displayed correctly.

1. **Registration and Login**

* Verify users can log in to an account using a mobile number.
* Verify users can log in via different options such as email and password, Facebook, or Google sign-in.
* Verify users can create an account username and email.
* Verify users can choose delivery locations upon successful registration.
* Verify authentication is performed correctly when OTP is sent to the customer.