Business Requirements

and

Design Analysis Document

**1. Overview**

Running a restaurant is challenging business in today’s world. The biggest concern for business owners of the restaurant is to face one of the major issues like managing orders over the phone or in-person. Delay in delivering orders, mis-match order deliveries, this may lead to bring big loss in the business and customer dissatisfaction. The expectation of the customers is to have good quality of food, good taste and good customer service which is not always the case. There has been a lack of technology and solutions in place to manage and handle the above concerns.

1. **Stakeholders**

|  |  |  |
| --- | --- | --- |
| Stakeholder Name | Organization | Role |
| Jagdish Ishvar | Restaurant | Owner/chef |
| Kanchanben | Restaurant | Co-Owner and Treasurer |
| Navchit | Restaurant | Administrator |

**3. Requirement Analysis**

**System Requirements:**

* The system will allow the customers to access to the food menu item, it will also allow the customer to buy the top listed items from home page without going into menu page.
* The system will allow the customers to place order of item through the website, also to amend the order from website which will give alert to the restaurant for customers’ orders.
* Once the customer has placed the order the system will generate bill summary for customers. once the bill is generated the system will accept the payment online from customer.
* When customer pays the bill online, the system will send a receipt to the customers email address.
* The system will show the customer a tracking of their orders, once the order is finished by the restaurant the system will send an alert/message to the customer.
* System will allow the business owner to add/edit in food item menu if necessary, to introduce variety of food items for customers.

**System Constraints and Needs:**

* Laptop or desktop will be required with windows 7 or 10 / Macintosh OS which has minimum of 4GB RAM.
* For front-end coding of the website the latest version of the visual studio will be needed like Visual Studio 2017/2019.
* Latest version MS SQL to create a database of the website, which will store all the data of the website contents.
* The budget of website can be maintained by avoiding scope creep, this can be avoided by better communication and understanding with the client.
* System will help the restaurant owner to handle and manage their orders to keep the flow of restaurant smoothly.
* Website front page will be created in an attractive way to avoid the bad impression of customers and also with easy navigation structure of website.
* Keeping the text/fonts very clearly visible, so the customers can face easy navigation of website.

1. **Functional Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement ID | Requirement Statement | Must/Want | Comments |
| FR001 | Website shall need to fit in one whole page instead random. | Want |  |
| FR002 | Item description shall be shown with price when cursor of mouse is hovered. | Want |  |
| FR003 | One whole page shall be for the menu to be created. | Must | All the menu items with price will be provided. |
| FR004 | About Us page shall be displayed with images with the history / background of the organization. | Must |  |
| FR005 | If the customer places an order on website, the owner of the restaurant shall get an alert for the order. | Must |  |
| FR006 | Once the order is finished, restaurant owner clicks a button and customer shall get alert of order is finished. | Want | The alert might be in the text message format or through the email. |
| FR007 | Shall need Contact Us page of the website. | Must |  |
| FR008 | Shall need small feedback section in Contact Us page. | Want | To improve better services of restaurant. |
| FR009 | Cart page of the website shall include with payment options. | Want | PayPal or card option. |
| FR10 | Logo and pictures shall need for website. | Must | Pictures will be provided. |
| FR11 | Use watermark images in the menu page of the website. | Must |  |
| FR12 | Small event section shall be included in Menu page | Must | To place orders for big events. |

1. **Non-Functional Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement ID | Requirement Statement | Must/Want | Comments |
| NFR01 | The website shall cost less than £1000 to build. | Must |  |
| NFR02 | The website shall cost less than £150 per year to host/maintain. | Must |  |
| NFR03 | The website shall be secure from hackers. | Must |  |
| NFR04 | The website shall be backed up nightly and be able to be restored on one hour’s notice. | Must |  |
| NFR05 | The website will be ready to launch within 90 days of securing a vendor. | Must |  |

1. **Design Analysis**











