**Software Requirement Specification Document**

**Title :-**

Fresh Basket – Eat Well, Live Well with Fresh Basket!

**Team:-**

Direct Customer, Developer, Architect, Quality Assurance Team, System Analyst

**Objective (Purpose) :-**

It is about connecting farmers directly to the customers, thereby cutting the middle man. This ensures that the customers get fresh foods at a very cheap price. This also ensures that all the farmers get a fair chance at gaining customers so that they don’t have to rely on any middle man.

**Scope :-**

This System allows admin to maintain their products for adding or removing from catalog based on their availability. Customer will be able to review orders history and may able to cancel order within 24 hours, order place. This system is largely available for anyone who have the Internet connection. The system will be run on a central server and distribute the remote user interface through a web browser to all the devices and also useful to various restaurant management operations.

**FUNCTIONAL REQUIREMENTS :-**

Following are the functional requirements fulfilled by our project:

* Similar to customers, admins can login & logout to access their account.
* Only admin is responsible for adding and updating the details of farmer.
* The admin can delete a farmer account if they need to, for any purpose.
* Admin can add and remove category.
* Admin can add new product with details as stock, price, name, quantity, image, category and update and remove them.
* Admin can view all registered users, delete a user if need arises
* Admin can view order details for all users.
* Customers can browse the homepage to explore the entire products available.
* When logged in, customers can view their profile and update their details.
* If Customer finds the food item of their choice they can save the item in the cart until they decide to purchase it. If at any point they want to cancel certain item they can simply remove it from the cart on one click. When they wish to purchase it, they can place orders for those items by selecting a delivery address on their account and pay the bill.
* Every customer can view their order history in order to get an idea about their past spending. Also the customer will get email notification for respective order details.

**NON-FUNCTIONAL REQUIREMENTS :-**

Following are the non-functional requirements fulfilled by our project:

* Security
  + The system’s back-end servers shall only be accessible to authenticated administrators. Sensitive data will be encrypted before being sent over insecure connections like the internet.
* Availability
  + The system should be available at all times, meaning the user can access it using a web browser, only restricted by the downtime of the server on which the system runs. In case of an of a hardware failure or database corruption, a replacement page will be shown. Also, in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 x 7 availability.
* Reliability
  + The reliability of the overall program depends on the reliability of the separate components. The main pillar of the reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes. Thus, the overall stability of the system depends on the stability of container and its underlying operating system.
* Maintainability
  + A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the program will be done. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently.
* Accessibility
  + The system will be a web-based application it is going to be accessible on the web browser.
* Backup
  + We will take a backup in our system database. In order to enable the administrator and the user to access the data from our system.
* Performance
  + The product shall be based on web and has to be run from a web server. The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run. The performance shall depend upon hardware components of the client/customer.
* Supportability
  + The source code developed for this system shall be maintained in configuration management tool.
* **Software Requirements**
* **Client side:**

|  |  |
| --- | --- |
| Web Browser | Google Chrome or any compatible browser |
| Operating System | Windows or any equivalent OS |
| RAM | 2 GB and above |
| Stable Internet Connection |  |

* **Server side:**

|  |  |
| --- | --- |
| Server-side Language | J2EE(Spring, Hibernate) |
| Operating System | Windows 10 |
| Database Server | MySQL |