Software Requirements Specification
for
Basic Needs Management System

Submitted to
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Revision History

Revision	Date	Author(s)	Description
1.0	25.09.2016	A.Sandu	Chapter 1 - Introduction
2.0	10.12.2015		Explaining different sortings
3.0	05.01.2016		Kleine Änderungen
4.0	10.01.2016		Finale Version

Chapter 1

Introduction

Nowadays many of the people of world is suffering from Covid-19 . Since independence Bangladesh achieved much progress in basic needs domain, but this virus can extract major services from the basic needs system. So for this reason we have to make a new system where any one can find his/her needs during this pandemic situation

1.1 Purpose

In this pandemic situation, WHO declared us for staying at home. But, for continuing our regular life, people have to get out of the house to complete their basics needs. So that our vision is that people need not go out from home for completing their basic needs. People can complete their basic needs like Food, Treatment, and Accommodation in one platform.

1.2 Intended Audience

This Software Requirements document is intended for:

- Developers
- Project tester
- End users

1.3 Intended Use

Developers: Developers are responsible for the design and maintenance of software programs for any operating systems or applications, such as word processing or database management systems. Developers create software programs customized for a specific organization, or software that is suitable for a wide variety of consumers or business users.

Testers: Testing is a critical part of the development process.Test programs to ensure that they meet the requirements of the specification and that they are free of errors, known as bugs. Developers test the programs by entering data and trying out all program functions. They may also ask users to try test versions of programs to ensure that they are easy to use.

Users: At last users they can use this application and give their valuable feedback to us. '

1.4 Product Scope

This project is being taken so that the people can get good service from this site with lower expenditure. The main purpose of our project is to satisfied our users and reduce Covid-19 infection . In this project we concerned about the plan and design of our site. In this project there will be many functions, choices and offers for users.

•Here People can search their needs easily and very fast staying their home.

•Also farmer can sell their product staying their house.

•The product quality will be maintained very strictly.

•For online payment users security will be maintained.

•For delivery man he can take his remuneration at any time from admin office. '

1.5 Risk Definition

There are some risk in our site.We know that market price do up and down.So it will very tough for admin to main a stable price for users.Sometimes registation will fail because of server problem.Sometimes the delivery man face trouble because of users wrong address.

Chapter 2

Overall Description

This project has some specific goals such as to decrease the suffering of common people and give them proper marketing service.Here user can get all their basic needs services from our project.Users can search product,buy products which is their basic needs in this pandemic situation

2.1 User Classes and Characteristics

There are four types user in our system.They are :

- Buyer
- Seller
- Admin
- Developer

Buyer: Buyer has the full right to take any kind of decisions. According to his decision admin and developer can update the system.

Seller: Also seller has the full right to take any kind of decisions like buyer. According to his decision admin and developer can update the system

Admin: Admin has the full access to the system which means admin is able to manage any activity with regard to the system.The admin can change any information stored into the database system. He can add, delete, edit, update any information. He is the highest privileged user who can access to the system.

Developer: Developer has the right to change/update any feature. He can also change user interface and can introduce new design for the system.

In our system we have some goad and also we have some wanted user.They are :

- Farmer
- Businessman
- Job holder
- Unemployed people

Farmer: Farmers can sell their product staying their home by registering our site.They can capture the picture of his goods and upload it in our site with its price.If the admin can accept their goods with its asking price then then farmer can get a conformation message and our worker will go to farmers house ,take his goods by giving him money.

Businessman: Businessman who have small or large company like garments,shoe company,Pharmacy shop etc .They can capture the picture of their goods and upload it in our site with its price.If the admin can accept his goods with its asking price then then farmer can get a conformation message and our worker will go to

farmers house ,take his goods by giving him money.Also businessman are our targeted buyer so also they can buy their product from this site.
Job holder: Govt and privet job holders are our targeted customer or user.
Unemployed people: They can register our site by giving their contact and other information.

2.2 User Needs

Farmer: Farmer means producer here farmer can sell his goods by our site .He will have to give his product information in our site and if its quality is OK then we give him conform message .After buying we will re-new its price and upload it in our site .At last buyers will buy it in our site and we will provide it in buyers house.

Businessman: Any Businessman who have necessary goods,they can sell us by this site.If their product is OK then we will buy it and upload it in our site .At last people can buy this product staying their house.Also this businessman can buy their another needs from this site

Conscious people: people who are conscious about this pandemic situation they can buy there products from this site staying their home.

Capitalists: People who lives in capital they more necessity about this site because pandemic is more bad in capital.So people can not go outside to buy their needs.

Unemployed people: People who have no jobs they can get delivery job from this site.many people lost their job in this pandemic .so they can register this site and get delivery job.

2.3 Operating Environment

our project will be a website so we can run it any operating system. We will make our database using Mysql. So if any one can want to test it he will run it using Mysql localhost. When we complete it fully then we will host it and any one can access it using internet connection .We wish it work perfectly and its reduce our crisis during this pandemic.

2.4 Constraints

Technical Constraints:
•User must have a cell phone which has good internet connection.
•Users age will be at least 18.
•User have to Capture photo of their product very clearly.
•User should understand some basic English meaning.
Business Constraints:
•We buy the product from our users and sell it in our site including the transportation cost,So for this reason the Price will become high sometimes.
•Sometimes we can not produce product quickly because of resource limitation.
•Sometimes we have to produce product quantity limitation because of product scarcity.

2.5 Assumptions

•We assume that user has good internet connection.
•We assume that user can read English and understand its Bengali meaning.
•We assume users have the habit of using any online ordering site.

Chapter 3

Requirements

There are two types of requirements in our site. The requirements are:
• Functional requirements
• Non-functional requirements

3.1 Functional Requirements

3.1.1 System Feature

User Features
•**Search Option.**Any one can search his needs from our site just putting the name of the needs in the search bar.
•**Select category.**Here user can select his wanted category product.
•**See product information.**When users select their product then they will see the product information by clicking the product.
•**Add to cart option.**When user choose their product then they will add it in their cart.But for doing this at first he has to register our site.
•**checkout option.**Here user can edit his product quantity,can delete any product from the cart,can see the product details with total price.
•**Payment option.**Here user get two types of payment option offline and online user can choose one. Online payment will be through BCash or PayPal. and offline is cash on delivery.
•**Order confirmation.**Here user get a confirmation message about his product.
•**Sell product.** Here user like farmer can sell their product by this site.He just have to send his product sell request to the admin.
•**Delivery man conformation.**Here delivery man will get any product request and confirm the admin that he will take it and reach the home front of the user.

Admin Features
•**See all product .**Admin can see all the product which is available in our site.He also see the product which want to sell farmer or another businessman on him.
•**Edit product .**Admin can add any new product in our site also he can delete any unnecessary product from this site .
•**Edit user .**Admin can add new user and delete any user from our site.

Special Feature
•**Corona virus affection possibility testing.**Here user can test their Corona Virus affected possibility giving their health information in our site.Our site give him an approximate result by analysing his data.

3.1.2 External Interface Requirements

• **Use Interface**
Front-end :HTML , CSS, JavaScript.
Back-end : php, mysql.
• **Hardware Interface**
Windows 10,8,7,A browser like google chrome which supports CSS, HTML JavaScript.

3.2 Non Functional Requirements

There are many other types of Non Functional Requirements, all of which can have a critical impact on the performance, scalability, and usability of our site.
• **Security:**It is important to specify the level of security .Our site automatically log out all users after a certain period of inactivity. The user's web browser will never display their password.
• **Privacy :**Our system will have Data back up option so that damage or crush data can be recovered by using data backup .
• **Speed of web services :**Website loading speed is an important thing.Our site will load very fast if the internet connection will good.
• **Accessibility :**Our site will ensure a basic accessibility standards form.
• **Searching speed :**In our site user will search their needs very fast.
• **Quality :**

   •**Correctness:** Our product quality will be 100 percent quality full and admin will ensure this.

   •**Usability:** Our sits Usability will very high because It will satisfies maximum number of uses need.

   •**Maintainability:** The admin panel will maintain the server for the better services.They always try to update it.

   •**Availability:** Our site will available to store the user request and give them different services according to their request.