

Software Requirement Specification

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1 Introduction:

This is an online grocery shopping web application which is new in the market.

1.1 Purpose:

The proposed project is a smart online shopping system that provides the users an easy way for shopping from online. This is a web base project that overcome the issue of shopping from outside without wasting time. Users can buy product according to their choice or demand.

1.2 Intended Audience:

This SRS would be access by web developers, project manager and testers to make this app further betterment and update. Most important audience are users because we are developing it for them.

1.3 Intended Use:

This system provides an easy to solution customer's to buy the product without go to the shop. Where user need to browse the website editing their cart list.

1.4 Product Scope:

By this website user can shop through online. They can search their desire product easily and don't have to outside for shopping. The main purpose of this site is to make shopping easy through online and saving their valuable time. They can pay through smart paying method also. People want comfort and easy way from technologies. This website will give them all with detailed information. The main strategy is to give people the easiest way for shopping without any hassle.

1.5 Risk Definition:

Software risk exists because the future is uncertain and there are many known and unknown things that cannot be incorporated in the project plan. Sometimes may occur server down and some internal problem. Another common risk is credit card failure when paying charges. To reduce the risk, it should be taken care of properly. Risk management is carried out to: Identify the risk, reduce the impact of risk, reduce the probability or likelihood of risk, risk monitoring.

2 Overall Description:

The Online Shopping system web application enable users to shop from online. Customers have to browse through the site. The developers can manage the items in the shop and also help customers to purchase them online without visiting the shop physically. The online shopping system will use the internet as the sole method for selling goods to its consumers.

2.1 User Classes and Characteristics:

Users can view and buy the products.

Guest users can't buy the products but they can see details about the product.

Admins can add, delete or update products and and can see daily sell and can keep the details about the product is delivered or not.

2.2 User Needs:

User need to shop from online in easy and convenient way. The process must be in secured. This web application solves the issue of ordering and purchasing products according to user's choice or demands.

2.3 Operating Environment:

This is a web application and it runs on all smart phones and pc through the web. Internet connection of smart phone and pc is also required. Being a collector or general user does not affect the hardware requirements of application.

2.4 Constraints:

The web application is constrained by the system interface to the GPS navigation system within the mobile phone and pc. Since there are multiple system and multiple GPS manufacturers, the interface will most likely not be the same for every one of them. Also, there may be a difference between what navigation features each of them provide. The Internet connection is also a constraint for the application. Since the application fetches data from the database over the Internet, it is crucial that there is an Internet connection for the application

to function. The web application will be constrained by the capacity of the database. Since the database is shared between both application it may be forced to queue incoming requests and therefore increase the time it takes to fetch data. Another constraints is we must develop this web app within two months.

2.5 Assumptions:

User must have a smart phone or a pc with enough performance and need internet connection.

User must have the knowledge about how to brows a site and how to use it.

User must have the knowledge about English.

The website must respond in real time.

Another assumption is that the GPS components in all phones and pc's don't work in the same way. If the phones and pc's have different interfaces to the GPS, the application need to be specifically adjusted to each interface.

3 Requirements:

3.1 Functional Requirements:

3.1.1 Registration:

As a user, I want to register, so that I can access the website.

Confirmation:

If all the information are valid then one can successfully login as a new user.

After purchasing more than 20,000 BDT products the user will be a premium user.

For premium user there will be a 5 percentage discount.

If one user has no accessibility for 2 years, the account will deactivate automatically.

3.1.2 Log In:

As a user, I want to log in, so that I can access the account.

Confirmation:

If a registered user can give the valid username and the password s/he can access the account.

If an user forget password then s/he need to go to forget password option for a new password to access the account.

in case of forgetting password if an user go to forget password,s/he need to choose either email or mobile number to reset the new password confirmation code.

If someone trying to enter the account after one year then there will be a verification code needed.

3.1.3 Product:

As a user, I want to see available product, so that I can find my desire product.

Confirmation:

User can see photos of the product and can check the company level and the packaging.

An user can see product's market price.

Premium user can see the product price with the available discount.

User can see product's availability and basic info.

User can check the selected product review.

An user can request for the desired branded product to the website.

3.1.4 Update:

As an admin , I want to update the product, so that I can make sure about the product availability.

Confirmation:

An admin can add product.

An admin can delete product.

An admin can set the special offered product.

An admin can check the product availability.

An admin must get a remainder when the product availability is low.

Admin can request to the brand for the popular product based on most searching product.

3.1.5 Add Cart:

As a user, I want to add product, so that I can buy product.

Confirmation:

User can see the subtotal of the price that s/he selected.

User have an option to increase or decrease the selected item.

User can see product delivery fee.

User can see delivery time.

User can discounted amount and total price including vat.

User can select available payment method for payment.

3.1.6 Reminder:

As a user, I want to get a reminder, so that I can get the information.

Confirmation:

An user can get remainder by text message.

An user can get remainder by email.

An user can see the live location of the delivery man for tracking.

An user must get a call from delivery man to ensure the buyers availability on that particular time.

An user get an notification if two or more orders made by the same person and same address, whether s/he wants to receive the delivery at same time with one delivery fee.

3.1.7 Cancellation:

As a user, I want to cancel my order for unavailable circumstance.

Confirmation:

Premium user can cancel order up to 1 hour from delivery for full refund.

Normal user can cancel order up to 2 hour from delivery for full refund.

Premium user can cancel order up to 30 minutes from delivery for getting 90 percent refund without paying delivery fee.

An user cancel order if the product is not required but added by mistakenly by getting 80 percent refund with paying delivery fee.

An user can return product if found any fault on the product or in delivery system.

3.1.8 Search:

As a user, I want to search product so that I can find product with in a second.

Confirmation:

An user can search product by name.

An user can search product by brand.

An user can search product by category.

An user can search product by price range to purchase product within his/her budget.

An user can search product by QR code.

An user get 'product not found' message if the searching product is unavailable or not matched.

3.1.9 Sign Out:

As a user, I want to sign out from my account after shopping for the safety of my account.

Confirmation:

If user is not using account more than 2 years then it will automatically be deleted.

If user don't want to use account then can easily delete it from the app.

3.2 Non-Functional Requirements:

- i. Secure access to customer's confidential data.
- ii. 24X7 availability.
- iii. User should be able to understand the use of the system easily.
- iv. Error message should be shown.
- v. The system should be able to explain how to recover the error.
- vi. User's should be safe and protected.
- vii. Unwanted access in the system should be restricted.
- viii. Responsive design should be implemented
- ix. Time required for registration should be less than 5 minutes.
- x. Other requirements are Security, Reliability, Maintainability, Portability, Compatibility, Resource Utilization.