

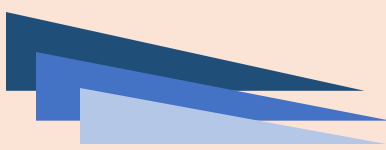


*Software Requirements Specification
Version 1.0*

Shopping Reimagined

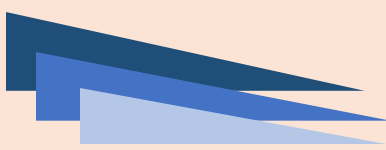
Domain: Online Shopping

Category: Website Design and Development



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1.0 Background and Need for the Website

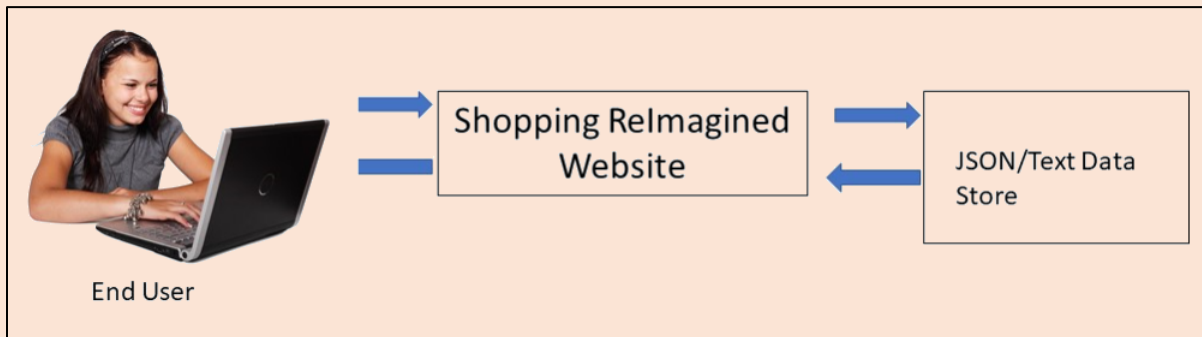
Before online shopping came into existence, customers would go around to different places such as Malls, supermarkets, small shops, and then, buy products. This would lead to waste of time, and if the product purchased was of bad quality, they would again visit to return the same. This would sometimes create a conflict between the shopkeeper and customer. Other issues faced by customers were that of crowds, large queues, lack of price comparisons, lack of proper feedback mechanisms about the product, and so on.

To counter this, a solution was needed where it will be easy going for shoppers, that will help them overcome the above-mentioned constraints and help them gain knowledge about the items being purchased and save time.

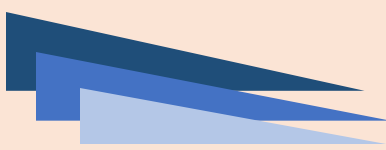
1.1 Proposed Solution

The proposed solution is a Website titled Shopping Reimagined. It should help individuals with online shopping and provide better access to products.

You have been given a contract to design and build this Website.



Broad View of the Portal



1.2 Purpose of the Document

The purpose of this document is to present a detailed description of the Online Shopping Website, titled Shopping Reimagined.

Shopping Reimagined provides an easy shopping facility to the customers, wherein they can sit at one place and shop online anytime, anywhere 24/7.

This document explains the purpose and features of the Website, the interfaces of the Website, what the Website will do, and the constraints under which it must operate. This document is intended for both stakeholders and developers of the Website and will be proposed to the client for approval.

1.3 Scope of Project

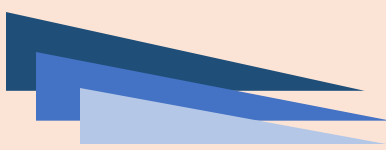
This Web portal will be a responsive and visually appealing Website to be used by individuals. This portal will be designed to provide shopping process by considering the various problems faced by the customer.

1.4 Constraints

The Web portal will not have any facility to store information on the server. Information can be fetched from JSON/TXT files and users can view the same being displayed, however, information cannot be written to the files from within the portal.

1.5 Functional Requirements

The portal will be designed as a Single-Page-Application and responsive Website with a set of pages and menus that represent choice of activities to be performed. The pages, menus, and other visual elements must be designed in a visually appealing manner with attractive fonts, colors, and animations. All of these should also be laid out in a responsive manner.



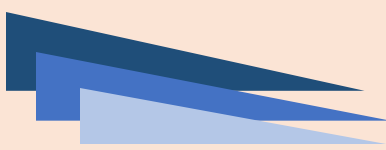
Following are the functional requirements of the portal:

- i. **Home Page:** It will display menus such as Products, About Us, Contact Us, Feedback and so on. A few featured products displayed with images and captions will be displayed on the home page. The home page should accept first name from the user and display a personalized welcome message. At the top corner, the user's first name should be displayed for the entire duration that the portal is loaded.
- ii. **Products:** This option will showcase the products one can order online via Shopping Reimagined. Products can be displayed through an image gallery and can have product information such as availability, stock, price, discount (if any), product description, and so on.
- iii. **Find Product:** Using this option, users can search for a specific product that they are looking out for/of their interest.
- iv. **Checkout:** This should show the shopping cart contents and total bill based on product price and quantity of products purchased. You need not implement payment functionality, just list the cart contents and compute the bill.
- v. **About Us and Contact Us:** This menu option should display Email id, address, and contact number of the organization who is developing the system. This acts like the Customer Care service which is available 24/7 to the users in case of any query.

Over and above this, the portal should implement the following functionalities:

- Display a continuous scrolling ticker at the bottom of the page with current date, time, and location (hint: Use geolocation features of HTML5).
- Display a visitor count at the top right corner of the page beside a logo image.
- The menu options should change color on hover and also after clicking.

Fade in and fade out options can be used for the menus.



1.6 Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the system.

The system should be:

Safe to use: The system should not result in any malicious downloads or unnecessary file downloads.

Accessible: The system should have clear and legible fonts, user-interface elements, and navigation elements.

User-friendly: The system should be easy to navigate with clear products/items and other elements and easy to understand.

Operability: The system should operate in a reliably efficient manner.

Performance: The system should demonstrate high value of performance through speed and throughput. In simple terms, the system should be fast to load and page redirection should be smooth.

Capacity: The system should support large number of users.

Availability: The system should be available 24/7 with minimum down time.

Compatibility: The system should be compatible with latest browsers.

1.7 Interface Requirements

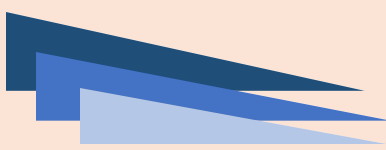
1.7.1 *Hardware*

Intel Core i3/i5 Processor or higher
8 GB RAM or above
Color SVGA
500 GB Hard Disk space
Mouse
Keyboard

1.7.2 *Software*

Technologies to be used:

1. Frontend: HTML5, CSS3, Bootstrap , JavaScript, jQuery, AngularJS, Angular9 (optional), XML
2. Data Store: JSON/Text



1.8 Project Deliverables

You need to design and build the project and submit it along with a complete project report that includes:

- Problem Definition
- Design specifications
- Diagrams such as flowcharts for various activities, Data Flow Diagrams, and so on
- Source Code
- Test Data Used in the Project
- Project Installation Instructions (if any)

The consolidated project will be submitted as a zip file with a ReadMe.doc file listing assumptions (if any) made.

Over and above the given specifications, you can apply your creativity and logic to improve the portal.

~~~ End of Document ~~~