



*Software Requirements Specification
Version 1.0*

Thrift Fashion Store

Category: Website Design and Development



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1.1 Background and Need for the Website

People often discard clothing items when they are no longer in use. They buy clothing from malls, online retail stores, or regular neighborhood stores and later, when these clothes outgrow their utility, they throw them away or dump them in bins. This has even happened in the case of high cost clothing. People who can afford expensive fashion typically do not like to repeat their outfits. They move on to buy newer items barely after using current items on two or three occasions. The older ones are then just discarded. This causes burden on the planet because as the number of such discarded fashion (which is still in good condition, nevertheless) increases, the effort to dispose them also increases.

These days, recycling, sustainability, and reuse are not just buzzwords, but actionable behaviors to support a better planet. Instead of discarding clothes that are still in good condition, but no longer required by the original buyers, these clothes can be sold as thrift fashion or pre-used clothing.

In simple terms, shopping for thrift fashion is second hand purchases for fashionable clothing.

This supports the theme of recycling and sustainability and is also affordable by many who otherwise could not purchase new fashionable clothing.

1.2 Proposed Solution

The proposed solution is a Website titled **Thrift Fashion Store**. It should help individuals with online shopping for second hand fashionable garments at affordable prices

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



Broad View of the Portal

1.3 Purpose of the Document

The purpose of this document is to present a detailed description of the Thrift Fashion Website, titled Thrift Fashion Store.

Thrift Fashion Store provides an easy shopping facility for second hand clothing in excellent condition 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.

1.4 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.

1.5 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.



1.6 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 Thrift Fashion Store. 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.

Important: Do NOT use boilerplate templates or readymade templates for development as it will adversely affect your evaluation. Your own Website design and development skills will be tested, hence no third party templates should be used here.

1.7 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.



1.8 Interface Requirements

1.8.1 *Hardware*

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

1.8.2 *Software*

Technologies to be used:

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

1.9 Project Deliverables

You will 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)

Documentation is considered as a very important part of the project. Ensure that documentation is complete and comprehensive. 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* ~~~