



Group No: 28

Project Name: E-commerce price comparisons

Software Requirements Specification (SRS)

(Not Implemented)

1. Requirements

1.1. Functional Requirements:

Product Wishlist: The system Wishlist allows users to save products they are interested in for future reference on an ecommerce price comparison website.

Product Recommendations: Based on the users' search histories and preferences, the system must suggest products to them.

Product tagging: In order to make search more convenient, a proper tagging of information related to the product is added.

Price Alerts: Users must be able to set price alerts for particular products in the system and receive information when prices change.

Product ratings: The rating is the best way to get the overall rating of any product to compare the price as well as quality.

1.2. Non-Functional Requirements:

Security: The system must make sure that user data and transactions are private and secure.

- **Justification:** The payments made through the website must be secure so that there are no security issues from the system side with proper APIs and security framework provided by the bank or any other payment services. Also the data of the user logging in and signing up in the database should be secure as they contain many important data related to the user, and to protect against any data breaches.

Localization: To serve a global audience, the system must handle multiple languages, time zones and currencies.

- **Justification:** To make users more accustomed to the system and to make them feel less alienated, adding localization would be a great tool. It reduced ambiguity and less confusion. It makes interaction for the user very easy and reduces the learning curve.

2. Use case

2.1. Add product to Wishlist

Actors: Users (Customer)

Goal: To save product they are interested in for later consideration and receive Notification

Pre-conditions:

- Users must be logged in.
- Users must be selected a product that they are interested in.

Description:

1. The user should select the product to add to the Wishlist. The website then saves the product to the user's Wishlist for future reference.
2. The user should be able to view and manage their Wishlist and to receive notifications about updates to the products they have saved.

Exceptions:

1. **Product already in the Wishlist:** If the user tries to add a product to their Wishlist that is already on the list, the website may not allow them to add a duplicate entry.
2. **Network or system issues:** If there are network or system issues such as server downtime or connectivity issues then users will not be able to add products into the Wishlist.

Post-conditions:

- Users must be able to see selected products added in the Wishlist successfully.

2.2. Remove Website

Actors: Admin

Goal: To Remove a website

Pre-conditions:

- Admin email authentication is required to Remove a website.

Description:

1. Admin removes a particular website from the list

Exceptions:

1. The search result is still showing products from the removed website.

Post-conditions:

- Products from removed websites shouldn't be displayed in the search results.

2.3. Add new Website

Actors: Admin

Goal: To compare prices from a wider range of online retailers

Pre-conditions:

- Admin authentication is required to add a website.

Description:

1. This feature will include a platform for an e-commerce website.
2. users are able to search and compare prices for desired products from a wider range of online retailers.

Exceptions:

1. The added website's products are not displayed in the search results.

Post-conditions:

- The search results must include products from added new websites.