

Doc. Name	SOFTWARE REQUIREMENT SPECIFICATION		
Project Title	Online Fashion Rental Website		
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Title : Online Fashion Rental Website

Abstract :

The online fashion rental website is a platform that allows users to rent fashionable items for a specific period of time. The website offers a range of clothing items and accessories for men and women from various brands. The website has several functionalities, including user registration and login, item catalogue, search and filtering, item detail page, booking system, payment processing, shipping and return management and rating and review system. Users can browse and select items, book them for a specified time period, make payments, and receive the items through shipping. The website also allows customers to rate and review the items they rent and provide feedback on their rental experience. The goal of the website is to provide an affordable and convenient option for users to rent fashionable items instead of buying them.

Proposed System :

The proposed system for the online fashion rental website has several features that differentiate it from the existing systems. Some of these differences are:

- **Advanced Search and Filtering :** The proposed system includes advanced search and filtering options that allow users to refine their search results based on multiple criteria, including style, occasion, and price range. This feature provides users with a more personalized and relevant selection of items.
- **Personalized Recommendations :** The proposed system includes a recommendation engine that analyses a user's browsing and rental history to suggest items that are likely to match their preferences. This feature helps users discover new items and reduces the time and effort required to find relevant items.
- **Loyalty Programs :** The proposed system includes a loyalty program that rewards users for renting items and encourages them to engage with the platform regularly. This feature helps to build a loyal user base and increase user retention.
- **Referral Programs :** The proposed system includes a referral program that incentivizes users to invite their friends to the platform. This feature helps to increase the user base and acquire new users through word-of-mouth marketing.

- **User Interface and Experience :** The proposed system offers a modern and user-friendly interface that is easy to navigate and use. The platform's design and layout are optimized for mobile devices, making it easy for users to access the platform from anywhere.

Overall, the proposed system offers a more personalized and engaging experience for users and provides additional incentives to encourage user engagement and loyalty. These features make the proposed system more competitive and attractive to users compared to the existing systems.

1.8 Product Perspective

The online fashion rental website is designed to provide a convenient and affordable way for users to rent fashion items online. It is designed to be user-friendly, accessible from any internet-connected device, and includes features that help to ensure a safe and reliable rental experience.

1.9 Product Functions :

1. User Registration & Login
2. Item Catalogue
3. Search And Filtering
4. Item Details Page
5. Booking System
6. Payment Processing
7. Shipping and Return Management
8. Customer Support
9. Ratings and Review System

1.10 General Constraints:

Only registered users are able to rent the accessories from the website. Other users can only view the website.

2.1 Functional Requirements:

This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be –

- **User Registration & Login:**

Allow user to create an account & sign in using email and password or other social accounts.

Verify user identity through email verification and two-factor authentication.

- **Item Catalogue:**

This module allows user to see items catalogue according to occasional base.

- **Searching and Filtering:**

Using this feature using can search for a product & can filter the products using different entities such as price range, new arrivals, colour etc.

- **Items Detail Page:**

After selecting a product user will get to see a page with product details, buy and add to cart buttons, some similar type products etc.

- **Booking System:**

In this module, the user will able to add personal details and address and book the product by selecting the duration to rent the product according to it's pricing.

- **Payment Processing:**

Using this, the user will able to choose payment method according to his convenience such as UPI, Cash On Delivery, Card Payment etc.

- **Shipping and Return Management:**

The door step delivery will be provided by the Courier service provider within 5 to 7 days. And after duration period is over then door step pickup will be provided if user has to return or he can extend the time period.

- **Customer Support:**

24*7 customer support will be provided for any queries regarding shipment or tracking the product or to know the details of the product.

- **Ratings and Review System:**

This system allows user to rate the products which he purchased so that other users can get assurance about that particular product.

2.2 Non-Functional Requirements:

- **Security:**

Ensure that the platform is secure and uses encryption to protect user data, including personal information and payment details.

- **Performance:**

Ensure that the platform is fast and responsive, with quick load times for pages and search results.

Ensure that the platform can handle high traffic volumes during peak rental periods such as occasions & festivals.

- **Scalability:**

Design the platform to be scalable and able to handle a growing number of users.

Implement load balancing and other techniques to distribute traffic and prevent overload on the server.

- **Reliability:**

Ensure that the platform is reliable and able to handle a high volume of traffic without crashing or experiencing downtime.

Implement backup and recovery systems to ensure that data is not lost in the event of a system failure.

- **Accessibility:**

Implement features such as keyboard navigation to improve accessibility.

- **Usability:**

Ensure that the platform is easy to use and navigate, with intuitive user interfaces and clear instructions for tasks such as adding a product to cart for rent & wish list also.

- **Maintainability:**

Design the platform with maintainability in mind, making it easy to update and modify as needed.

Use modular and well-structured code to make it easy to identify and fix bugs and add new features.

- **Data privacy:**

Ensure that the platform is compliant with data privacy laws such as GDPR and CCPA, protecting user data and providing users with control over their data.

Implement a privacy policy and terms of service that outline how user data is collected, used, and protected.

- **Integration with payment gateways:**

Ensure that the platform can integrate with different payment gateways and payment methods, allowing users to make payments in their preferred currency and payment method.

Implement appropriate payment security measures to protect user payment information.

2.3 Performance Requirements:

- **Response time:**

The platform should respond to user requests within a reasonable time frame, preferably less than 3 seconds.

Pages should load quickly, allowing users to easily navigate and search for properties.

- **Scalability:**

The platform should be scalable to handle a growing number of users and properties.

It should be able to handle peak booking periods without significant slowdowns or crashes.

- **Availability:**

The platform should be available to users at all times, with minimum downtime.

It should be able to handle spikes in traffic without affecting availability.

- **Resource utilization:**

The platform should utilize server resources efficiently, avoiding unnecessary resource consumption and waste.

It should be able to handle large volumes of data without causing performance issues.

- **Database performance:**

The platform should ensure fast and efficient data retrieval.

The database should be able to handle large amounts of data without causing performance issues.