

**CEBU INSTITUTE OF TECHNOLOGY**

**UNIVERSITY**

COLLEGE OF COMPUTER STUDIES

**Swift-Thrift**

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| **Requirement Type** | **Requirement** | **Justification** |
| Functional | Users can create accounts by registering through email. Users can log in using the registered account. | This core feature allows users to authenticate themselves on the platform, ensuring a secure and personalized experience. It is fundamental for account management, enabling users to interact with the system. |
| Functional | Users can manage personal information like name, email, password. In their profile view the users can also view their purchase history. | Allowing users to update personal information and view purchase history enhances user control and transparency, improving the overall experience and trust in the system. |
| Functional | Users can save products they are interested in into their wishlist and revisit them later. | The wishlist feature helps retain users by allowing them to save products for later purchase. It improves user engagement and the likelihood of future sales by reminding users of products they are interested in. |
| Functional | Users can search for items by category, price range, brand, condition, and other relevant filters. Each product will have a dedicated page showing images, descriptions, and price. | This search and filtering capability ensures that users can easily find products that meet their preferences, enhancing the user experience by making product discovery faster and more efficient. |
| Functional | Once a payment is processed, users receive an order confirmation. Users can view their past transactions | Order confirmation provides clarity to users, assuring them their transaction was successful. Viewing past transactions ensures transparency and helps users track their order history, which is crucial for customer satisfaction. |
| Non- Functional | Account passwords should be hashed and have a password convention. | Password hashing enhances security by ensuring that even if the data is breached, user passwords are not exposed. A password convention ensures strong, secure passwords, further reducing the risk of unauthorized access to user accounts. |
| Non- Functional | The system should be capable of handling 100 users without any performance degradation. | This ensures that the platform can handle initial traffic and provide a smooth user experience even under moderate load, avoiding performance issues such as slow page loads or system crashes. |
| Non- Functional | The system shall ensure that all data, including user information and transaction history, is accurate and consistent. | Ensuring data accuracy and consistency is critical for maintaining user trust and preventing issues like incorrect order histories or user details, which can lead to dissatisfaction and system errors. |
| Non- Functional | Users shall be able to complete core tasks (e.g., registration, product browsing, and checkout) in eight steps or fewer. | Reducing the number of steps for core tasks improves usability and decreases user frustration, leading to a higher conversion rate and improved user satisfaction. |
| Non- Functional | The system shall load any page within 10 **seconds or less** under normal usage conditions. | Fast page load times are essential for keeping users engaged. A 3-second load time ensures that users do not experience delays or frustration, improving overall user retention and satisfaction. |