Trendy shop website
Vision Document

Version 1.4

Revision History

Date	Version	Description	Author
25/10/2024	1.0	Edit section 1: 1,1. Edit section 2: 2,1; 2,2	Phạm Thành Nhân
26/10/2024	1.1	Edit section 3: 3.1; 3.2 Edit section 3: 3.3; 3.4; 3.5	Dương Trung Nghĩa
27/10/2024	1.3	Edit section 4: 4.1; 4.2	Phạm Thành Nhân
28/10/2024	1.4	Edit section 5 Edit section 6	Dương Trung Nghĩa

Table of Contents

Vision (Small Project)

1.   Introduction

1.1   References

The purpose of this document provides a general overview of high requirements of SoftWare system in terms of the needs of the end users.

2.   Positioning

2.1   Problem Statement

The problem of	Buying and selling clothes becomes easier when digitized.
affects	Sellers want to sell their clothing items, and buyers want to purchase clothes that meet their needs.
the impact of which is	Sellers want to sell clothes but don't have a place to sell, and buyers want to find clothes, but there are no suitable shops near where they live.
a successful solution would be	Helping customers find and buy the right clothing products with a variety of styles and within their budget, while easily providing feedback to the store. It also helps sellers reduce the heavy costs of physical storefronts, makes it easier for customers to find their stores no matter where they are, and simplifies receiving and responding to customer feedback.

2.2   Product Position Statement

For	Independent boutiques, clothing retailers, and apparel designers.
Who	Those boutiques and retailers are eager to showcase and sell their own unique, fashionable clothing designs
The (product name)	TrendyShopWebsite.com.vn
That	Allows clothing brand to sell their own clothes at a high price easily and customers to buy fashionable clothes at a reasonable price
Unlike	The current distribution channels, shopee.vn, lazada.vn,...
Our product	Connecting brands and customers while ensuring trust between them by strictly verifying the authenticity of the clothing.

3.   Stakeholder and User Descriptions

There are three stakeholders, including: retailer, customer and administrator

3.1 Stakeholder Summary

Name	Description	Responsibilities
Development team	Include five members participating in Introduction to Software Engineer	Responsible for the formation and development of the product, ensuring the timeline and releasing schedule.
Nguyen Thi Minh Tuyen	Theoretical lecturer (supervisor), supporting the group in learning and developing the software project.	Ensure the transmission of knowledge to the group, supporting the group in the processes and directions for developing the software project.
Administrator	owner of the website	Ensure the product satisfy administrator's requirements, including management of user's account and activity, statistic figures
Retailer	owner of the shop	Ensure the product satisfy retailer's requirements, including management of retailer's products, shop's configuration, and billing
Customer	customer	Ensure the product satisfy customer's requirements, including purchasing process

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3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Administrator	represent admin	Manage user accounts and seller accounts Manage statistic (notifications) among retailers	Represent itself
Retailer	owner of the shop	Manage their product list Receive order from customer Manage bill, recept, product static, feedbacks Provide discount (voucher) for customers	Represent itself
Customer	customers	View product list and filter them Order product, check order history, ,manage cart and orders Use voucher to discount items Check billing information, notification	Represent itself

		Provide detailed ratings and reviews for order	

3.3 User Environment

This application is intended for companies that want to create an e-commerce platform for clothing (admin). From there, it will help clothing sellers who are experiencing low revenue due to cost issues or lack of visibility and want to increase sales for their stores. Additionally, it is highly useful for stores looking to digitize their sales model. On the customer side, the application targets customers who are located far away and want to find a diverse range of clothing products.

An action performed by the user will take no more than 5 seconds, though this may change in the future.

The software is a web application and will provide the best user experience on laptops and all operating system platforms, with the minimum requirement being an internet connection. In the future, this project will be developed into an app.

No additional applications are used, so there is no integration with external applications.

3.4 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Manage retailers information	High	Only mange retailers offline	Manage retailers directly	Product Owner can provision and manage retailers online and directly
Manage customers information	High	Considerable amount of time using for search, and manage customers information	Primary using paper documents	Manage customers information quickly and effectively
Purchasing	Medium	Management system cannot receive order from customer	Directly purchasing	Orders can be pushed into the waiting list to be processed frequently once they exceed. Have immediate notification to customers once the order is successful.
Selling	Medium	Customers are provided with limited information about the full range of available and out-of-stock products from the seller.	Must directly consult with customers about product information.	

Receiving feedback	Low	Customers who make direct purchases after a period of use may find it difficult to leave feedback for the seller.	Must call the retailer directly.	Can easily leave feedback for each purchased item, allowing the retailer to improve and inform other customers.

3.5 Alternatives and Competition

Alternatives and Competition	Advantages	Disadvantages
On-site shopping	- Customers can directly see, touch, and try on products. - Immediate gratification by purchasing and taking items home.	- Requires travel and transportation, which can be inconvenient. - Limited to opening hours. - Some customers may feel uncomfortable with crowds or lack privacy.
Shoppee (online marketplace)	- A large variety of products with many vendors. - Easy filtering and search tools for specific items.	- Potential issues with product quality or mismatched expectations. - Delayed due to shipping times.
Facebook Marketplace	- Direct communication between buyers and sellers. - Ability to find local items with same-day pickup.	- Trust and safety concerns with sellers. - Lack of consistent buyer protection or policies.

4. Product Overview

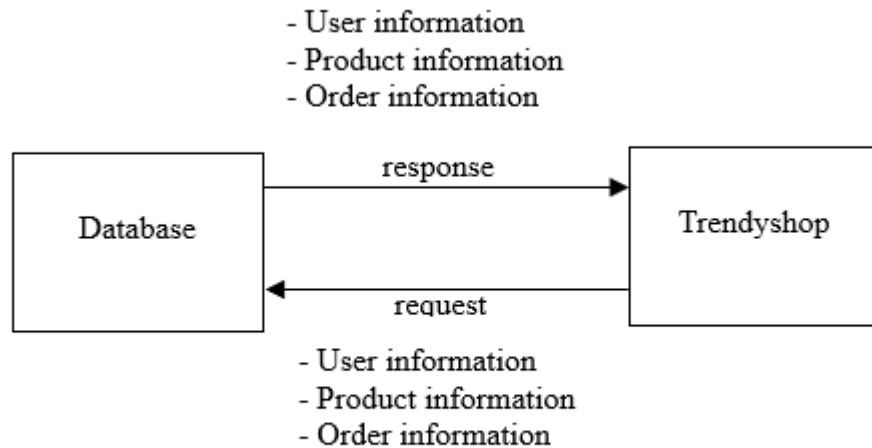### 4.1 Product Perspective

Product **Perspective**

SoftWear will operate on a web platform, and users will access and use the system through a web browser

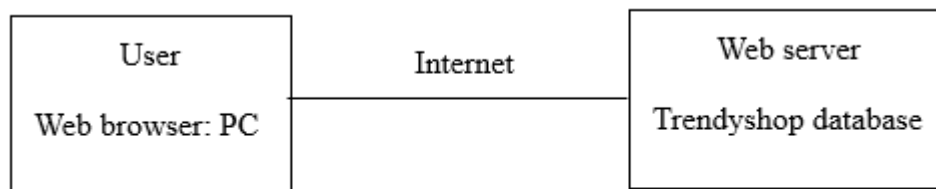SoftWear will process data with the hotel's database hosted on a web server.

Processed data from SoftWear will be output to external devices to perform other tasks such as printing, billing, check-in, etc.

Figure 4.1.1 Trendyshop architecture

Figure 4.1.2 General

4.2   Assumptions and Dependencies

- Trendyshop is a E-commerce web application managing all sellers and customers

5.   Product Features

5.1   Login, logout
Administrator, retailers, customers have to provide username and password to access the management system

5.2   Register
Retailers and customers can register an account.

5.3   Manage retailer account
Administrators can have the ability to delete retailers.

5.4   Monitor retailer revenue
Administrators can have the ability to monitor all retailers' revenue.

5.5 Purchase clothing

Customers can purchase products within the website from various retailers with specific vouchers.

5.6 Modify product information

Retailers can modify their product information.

5.7 Billing

Customers can view their billing information. Retailers can view their products' statistics.

5.8 Shopping history

Customers can check their order history.

5.9 Customer feedback

Customers can provide detailed ratings and reviews for the clothes they've ordered.

5.10 Filtering & searching

Customers can perform filtering within searching.

5.11 Discount

Retailers can provide discounts for customers.

6. Non-Functional Requirements

- The user interface is innovative, user friendly, available on mobile and desktop devices.
- The website should be compatible with all major browsers (e.g., Chrome, Firefox, Safari, and Edge).
- All user data must be stored securely using encryption.
- The system operates continuously 24/7.
- Processing time is no longer than 5 seconds.
- Each function should have no more than 3 errors.
- User data should be backed up daily to prevent data loss.