

USCoffee Vision Document

Version <1.0>

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Revision History

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1. Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the USCoffee website. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the USCoffee website fulfills these needs are detailed in the use-case and supplementary specifications.

2. Positioning

2.1 Problem Statement

The problem of	selling and buying coffee, drinks, some afters, and service...
affects	Saleperson for a coffee shop, coffee shop owner and customer who want to buy coffee
the impact of which is	Shop owner who wants to sell coffee and manage shop system, customer who want to buy coffee but doesn't want to leave their house just to buy some drinks
a successful solution would be	Helping the coffee shop owners to sell their products and manage their shop more effectively, this also help customer to buy drinks or food easier.

2.2 Product Position Statement

For	Salepersons, coffee shop owners, customer
Who	sell and buy coffee, drinks, cake, candy...
The (product name)	uscoffee.com.vn
That	allows shop owner to sell their products, manage their shop just need internet connection and allows diners to buy their favorite drinks
Unlike	The selling websites of Highlands, The coffee house, Phuc Long
Our product	Creates an environment friendly for shop owners and also customer

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

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Name	Description	Responsibilities
Shop owner	Coffee shop owner who just opened his shop	The person who directly buys the product <i>from us</i>
Saleperson	Staffs of coffee shop	Who use our website to sell drinks, so this is the person that our product must meet their needs
Diners	Customers buy drinks, use coffee shop's services	The product has 2 main features those are selling and buying coffee, while salepersons have responsibility in using selling feature, the diners are person who use this web for buy the shop's products

3.2 User Summary

[Present a summary list of all identified users.]

Name	Description	Responsibilities	Stakeholder
Shop owner	Manage total revenue, number of products	Provide funding. Drive product completion on time	
Saleperson	Selling products through website, Manage product sold, proceeds in a day. Manage shifts	Testing and feedback Requirements gathering Detail and accurate information about the coffee products to be listed on the website	
Diners	Select product want to buy. Pay money	Contribute to menu creation and management. Reporting and analytics the features of the website to gain insight into sales data, customer behavior and overall performance.	

3.3 User Environment

- The number of people involved in developing a website selling coffee can vary depending on the scale and complexity of the project. Typically, it involves a team of developers, designers, content creators, and possibly sales/marketing personnel.
- The website's user environment may have specific environmental constraints to consider. For instance:
 - Mobile Optimization: The website should be designed and developed to be mobile-responsive, ensuring an optimal user experience on various mobile devices.
 - Online Accessibility: The website should be accessible to users with disabilities, complying with relevant accessibility guidelines.

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- Security and Privacy: The website should adhere to industry best practices to ensure the security and privacy of customer data, especially during online transactions.
- The choice of system platforms depends on the target audience and the intended reach of the website. Common platforms for website development include:
 - Desktop Platforms: Windows, macOS, Linux.
 - Mobile Platforms: Android, iOS.
 - Web Browsers: Chrome, Firefox, Safari, Edge, etc.

3.4 Alternatives and Competition

None

4. Product Features

No.	Feature	Description	Priority
1	Selling drinks	This feature allows users to sell drinks available on website	High
2	Buying drinks	This feature is for customer to buy drinks in the menu on website	High
3	Show menu	Show menu of coffee shop, it includes drinks, desserts, services like delivery, gift wrapping	Medium
4	Pay money	Customer pays money based on payment methods like credit card, bank account, cash on delivery	High
5	Gift wrapping	This feature allows customers who want to give a gift to a person, they can choose this service	Low
6	Delivery	This feature is used to ship drinks for customer who doesn't have time to go out or simply lazy	Medium

5. Non-Functional Requirements

1. Applicable Standards: The desktop user-interface shall be Windows 7 or higher.
 - Web browser: The computer needs to have a modern web browser installed, such as Google Chrome, Mozilla Firefox, or Microsoft Edge, to access the website. The web browser should be the latest version or compatible with modern web standards.
 - Screen resolution: The computer should have a screen with sufficient resolution to display the website's content clearly. A common resolution is 1024x768 pixels or higher.
 - Operating system: The computer should use a popular operating system like Windows, macOS, or Linux, and the operating system version should be supported and regularly updated.
 - Memory and processing: The memory (RAM) and processing (CPU) requirements for the computer will depend on the features and requirements of the specific website. However, a computer with at least 4GB of RAM and a good processor should be able to support most typical websites.
2. Performance:

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- Response time: The website should load within a certain time frame, such as 3 seconds, to provide a smooth user experience, memory usage should be between 50MB and 500MB.
- Availability: The website should have an uptime of at least 99%, allowing for maintenance or upgrades during scheduled downtime.
- Reliability: The website should have a maximum acceptable error rate, such as less than 1% of requests resulting in errors.

3. Environmental requirements:

- Internet Connection: The data center hosting the website should have a high-speed internet connection with a minimum bandwidth of 1 Gbps to handle the expected user traffic.
- Server Location: The website should be hosted on servers located in data centers that are geographically dispersed to ensure redundancy and minimize latency.
- Power Supply: The data center should have backup power systems, such as diesel generators or uninterruptible power supplies (UPS), to provide continuous power in case of a power outage.
- Network Infrastructure: The data center should have a robust network infrastructure capable of handling a specific number of simultaneous connections.
- Environmental Monitoring: The data center should monitor environmental factors, such as temperature and humidity, to maintain optimal conditions for server operation. Data centers should ensure that the server environment is kept within a temperature range of 20-25 degrees Celsius and a humidity range of 40-60%.

4. Privacy:

- User's personal information should remain confidential and inaccessible to other users.
- The URL for changing the password must only be given to the first registered email when a user forgets their account's password.
- User data, especially sensitive information like passwords or financial details, should be encrypted both during transmission and storage.

5. Usability

- User interface: The website should have an intuitive and user-friendly interface that is easy to navigate.
- Accessibility: The website should be accessible to users with disabilities, conforming to accessibility guidelines and standards.
- Multilingual support: If applicable, the website should support multiple languages to cater to a diverse user base.
- Responsiveness: The website should be responsive and adapt to different screen sizes and devices.

6. Scalability:

- The website should be able to handle a specific number of concurrent users, in this case, it may be 100 simultaneous users, without significant degradation in performance.
- The architecture and infrastructure should support horizontal scaling, allowing for the addition of more servers or resources to handle increased load.