
DevJam

**ConnectMe
Vision Document**

Version 2.0

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Vision Document	Date: 21/07/2023

Revision History

Date	Version	Description	Author
23/06/2023	1.0	Basic Vision Document	Team Leader
21/07/2023	2.0	Adjust non-functional requirement details	Team Leader

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Vision (Small Project)

1. Introduction

1.1 Purpose

- The purpose of this document is to define the high-level requirements of the **ConnectMe** project in terms of the needs of the end users.

1.2 Scope

- This Vision Document applies to the **ConnectMe** website, which will be developed by DevJam. We will develop this client-server system to interface with the existing donation item database, users, collaborators, and administrators of the website.
- The ConnectMe website will enable users to either donate or receive donations from others. Specifically, the website allows donors to post donating records of their items whilst recipients will be able to post receiving records to specify their needs. The process of matching donors with appropriate recipients will be monitored and supported by collaborators.

1.3 Definitions, Acronyms and Abbreviations

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1.4 References

Applicable references are:

1. Course tutorials
2. Manual documents
3. Video tutorials
4. Use case models in website development
5. Software architecture patterns
6. Design UX UI tutorials

2. Positioning

2.1 Problem Statement

<i>The problem of</i>	The difficulties in connecting people in need with those who have items to donate.
<i>affects</i>	Donors, recipients
<i>the impact of which is</i>	Needy people cannot access the resources they need whilst those who have the resources cannot connect to them.
<i>a successful solution would be</i>	Build a website: <ul style="list-style-type: none"> - Actualize the process of connecting donors and recipients. - More people are helped - Reliable: User information must be verified by collaborators before donation can take place

2.2 Product Position Statement

<i>For</i>	Donors, recipients
<i>Who</i>	Recipients are those who are currently in need of some particular resources, and donors are those who have those resources but with lower levels of need and want to support the recipients.

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<i>The (product name)</i>	ConnectMe
<i>That</i>	Actualize the process of connecting donors and recipients.
<i>Unlike</i>	Traditional way of seeking donations
<i>Our product</i>	Connect donors and recipients and ensure trust between them by verifying their identities through collaborators. Recipients easily post their needs and donors easily connect and donate to them. Collaborators easily push more emergency cases to the top of the list for everyone to see and support as soon as possible.

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

<i>Name</i>	<i>Description</i>	<i>Responsibilities</i>
Development Team	Student of HCMUS	Web application design and development meeting customer requirements
Mr. Dung Nguyen Hoang Le	Supervisor	Process guide software
Client	The organization ordering the software product	General comments about the product. Suggest features, UI, database,... Review and provide funds for activities related to product
Team members	Student	General comments about the product, and suggest features, UI, ...
Google Map	Related System	Provide location information for relative activities
Social media	Related System	Marketing, and promotion

3.2 User Summary

<i>Name</i>	<i>Description</i>	<i>Responsibilities</i>	<i>Stakeholder</i>
Recipient	People who are currently in need of some particular resources.	Post/Edit/Delete receiving records Contact collaborators	
Donor	People who have the resources but with lower levels of need and want to support the recipients.	Post/Edit/Delete donating records Contact collaborators and recipient	

3.3 User Environment

The Recipient-Donor Community is a large sophisticated community that demands verification and precision that a donating/receiving post can provide.

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The users are educated, computer literate, and in most cases own personal computers in their homes. The ability to post receiving/donating records via personal computers and to see their donations' processes would greatly streamline posting donating/receiving records.

The release of ConnectMe will be public. This is a charity website that works under a charity organization's control.

3.4 Alternatives and Competition

- Freecycle
 - Platform: Website
 - Major strengths:
 - Giving and getting stuff for free in towns
 - Free membership
 - Have more than 10 million members in more than 5 thousand local towns in the world
 - Zero tolerance of scams, spam, and adult content
 - Major weaknesses:
 - Not verify accounts
 - Not protect users
- DonorsChoose
 - Platform: Website
 - Major strengths:
 - Education related
 - Create fund
 - Have many quality partners: Volkswagen, Amazon,...
 - Open to every public school in America
 - More than 5 million supporters
 - Major weaknesses:
 - Money support only
 - Only in America
- The Buy Nothing Project
 - Platform: Mobile app
 - Major strengths:
 - Giving and getting stuff for free in towns
 - Free membership
 - Major weaknesses:
 - Not verify accounts
 - Not protect users
 - Only New York City, Chicago, Los Angeles, San Francisco, and Portland, Oregon

4. Product Overview

This section provides a high-level view of the Connect-Me capabilities, interfaces to the users, and the system configuration.

4.1 Product Perspective

The Connect-Me system will interface with users, and admins as shown in the context diagram below (see Figure 4.1).

The Connect-Me system consists of client component and server component as illustrated in Figure 4.2.

Client components reside on users' browsers on the personal computer or phone. The users may access ConnectMe through the Internet. A valid username and password must be entered in order for access to be granted.

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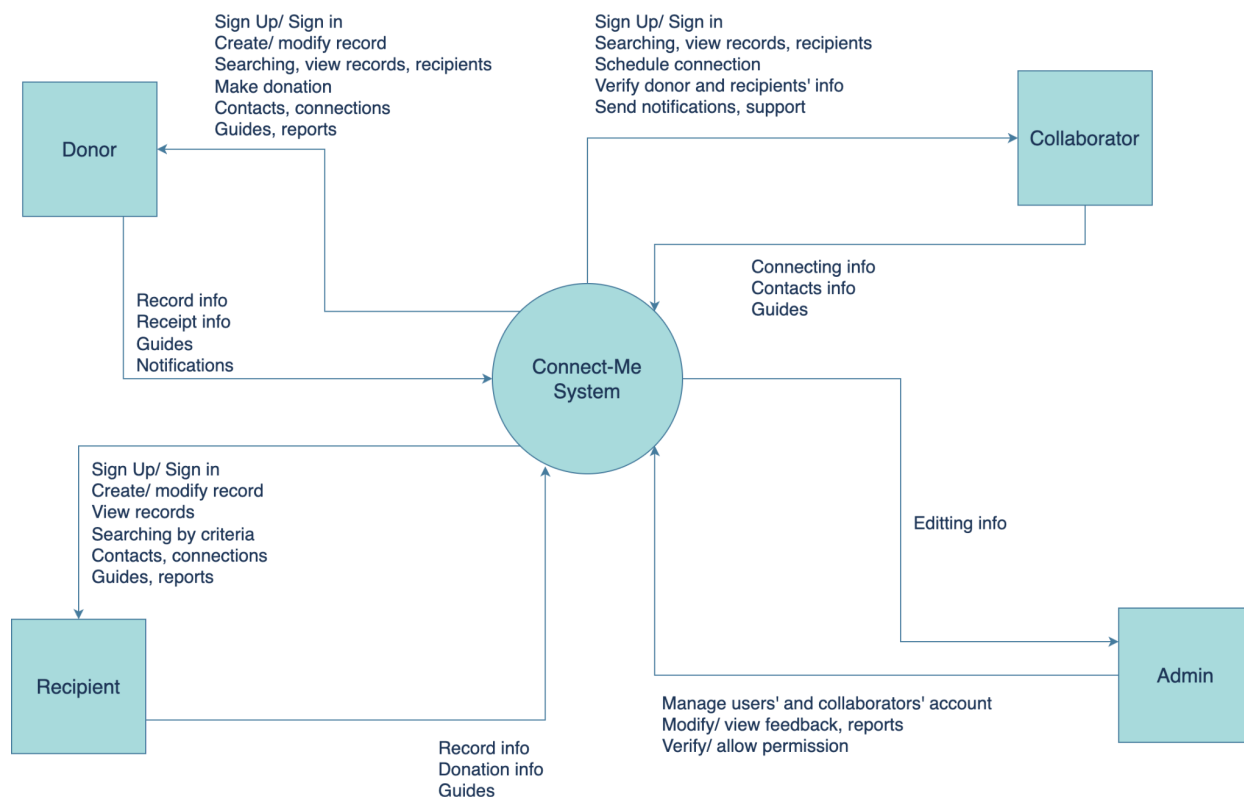


Figure 4.1 Connect-Me System Context Diagram

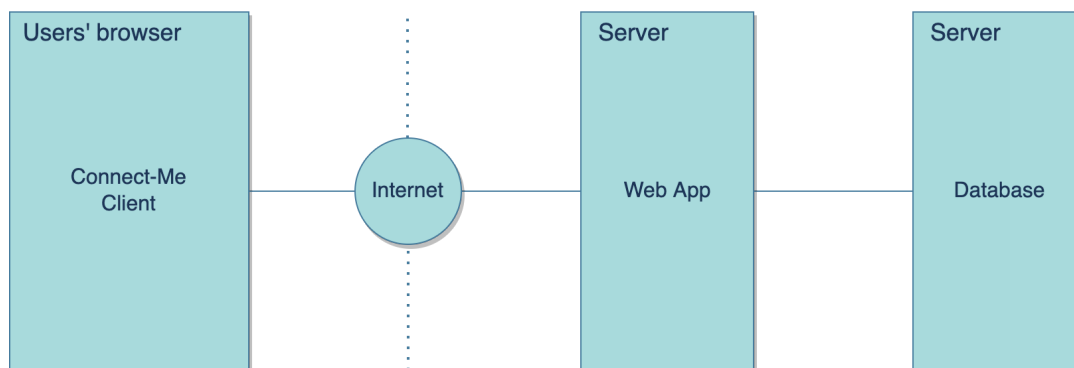


Figure 4.2 Connect-Me System System Overview

5. Product Features

No.	Feature	Description	Priority
1	Sign up	Using mail/phone number to sign up	High
2	Login	Users shall provide a valid ID and password for	High

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		entry to the ConnectMe system.	
3	Post/edit/remove receiving record	Users who want to receive things can post/edit/remove a record to the website with the things they need and how donors can donate	High
4	Post/edit/remove donating record	Users who have things they want to donate to community can post/edit/remove a record to website with the things they want to give and how recipients can get them	High
5	Match	Donors will match with recipients if they want	Medium
6	Contact with collaborators	Collaborators will be intermediary between donors and recipients	Medium
7	Connect with recipients	Donors can connect with recipients (phone call, chat box)	Medium
8	Directly donate	Donors can donate directly under receiving records	Medium
9	Notify	Collaborators send notification to users	Medium
10	Manage posts	Collaborators can view and schedule posts	High
11	Manage members' accounts	Update, delete, verify accounts	High
12	Language Display	Change language	Low
13	Search	Recipients can search donations by criteria (location, type of items, ...)	High
14	Track donation process	Recipients/donors can see donation status	High
15	View user's information	Users can view each other's information	High

6. Non-Functional Requirements

- Scalability:
 - Fast response time: Aim for an average response time of 10ms or less for most operations.
 - Quick page load time: Ensure that web pages load within 1 second on average, considering typical server loads.
 - Handle large numbers of users: The system should support at least 10,000 concurrent users without significant delays or crashes.
- Usability:
 - User-friendly interface: Conduct usability testing to achieve a minimum 90% user satisfaction rate for the interface design.
 - Clear instructions: Ensure that all instructions are written in simple, concise language, and can be understood by 95% of users.
 - Consistent design: Follow established design guidelines and maintain design consistency throughout the application.
 - Intuitive and easy to navigate: Target 85% of users find the application intuitive and easy to navigate during usability testing.

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- Accessibility for non-tech-savvy users: Achieve a success rate of 90% or higher in completing basic tasks for non-tech-savvy users during testing.
- Detect inappropriate words: Implement a language filtering system with a detection accuracy of at least 95% for inappropriate words like racism, political issues, and spam.
- Security:
 - Protection of personal and financial information: Utilize industry-standard encryption and security practices to safeguard users' personal and financial data from unauthorized access.
 - Forced log out: Users should be automatically logged out after 30 minutes of inactivity to mitigate the risk of data leaks and unauthorized access.
- Reliability:
 - Compatibility with browsers, devices, and platforms: The application should be compatible with the latest versions of at least three major web browsers (e.g., Chrome, Firefox, Safari) and two popular mobile platforms (e.g., iOS, Android).
 - Accessibility across devices: Ensure users can access the application seamlessly from desktops, laptops, tablets, and smartphones.