
DitShev

**GoaTalks
Vision Document**

Version 2.0

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Vision Document	Date: 14/11/2023

Revision History

Date	Version	Description	Author
28/10/2023	1.0	Basic Vision Document	All
14/11/2023	2.0	Adjust non-functional requirement details	All

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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 **GoaTalks** project in terms of the needs of the end users.

1.2 Scope

- This Vision Document applies to the **GoaTalks** website, which will be developed by **DitShev**. We will develop this client-server system to interface with the existing reader and author of the website.
- The **GoaTalks** website will enable users to either read or post blogs. Specifically, the website allows authors to post their blogs, readers can read content from the authors they following.

2. Positioning

2.1 Problem Statement

The problem of	<i>Showing readers contents they are interested in.</i>
affects	Authors, Readers
the impact of which is	<i>Authors with knowledge and topics they want to discuss cannot reach readers who want to learn about that topic.</i>
a successful solution would be	<i>Build a platform:</i> <ul style="list-style-type: none"> - Realize the connection process of the author with the reader. - Knowledge and idea worth spreading. - Reliable and Knowledgeable: Author's blogs have to be accepted and censored by the administrator.

2.2 Product Position Statement

For	<i>Authors, Readers</i>
Who	<p>Authors are people who want to share knowledge, research with statistics or scientifically proven evidence.</p> <p>Readers are those who wish to learn about the fields that interest them, and at the same time gain a more multi-dimensional view of that issue.</p>
The (product name)	GoaTalks
That	Actualize the process of connecting authors and readers.
Unlike	Traditional newspapers or magazines that only publish state-approved information, or tabloid pages that just want to attract as many readers as possible without regard to the quality of the article
Our product	Readers will easily access controversial issues and share personal opinions by commenting and discussing with other readers. This will motivate the author to have more motivation

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	and ideas for future articles.
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3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Development Team	Students of HCMUS	Web Application design and development meeting customer requirements.
Mr. Ho Tuan Thanh	Supervisor	Process guild software
Client	The organization ordering the software product	General comments about the product. Suggest features, UI, UX, Database,...
Team members	Student	General comments about the product. Suggest features, UI, UX, Database,...

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Author	People who want to share knowledge and topics that interest them.	Post/Edit/Delete posted blogs. Edit Personal Info. Contact readers.	
Reader	People who want to learn about and discuss their favorite and controversial topics	Edit/Delete comments. Edit Personal Info.	

3.3 User Environment

- The GoaTalks environment is a community that requires censorship and verification of information and data given by the author in an extremely careful and accurate way.

- All reader comments will also be clearly moderated and will be reportable by any member who finds the comment or article inappropriate or misleading.

3.4 Alternatives and Competition

- Spiderum
 - + Platform: Website
 - + Major Strengths:
 - Access easily
 - Use for free
 - Wide arrange of contents
 - + Major Weakness:
 - Only for domestic

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- Content is usually written for the young people (about life and trend on social media,...) but not expertise in technology field.

- Medium

- + Platform: Website

- + Major Strengths:

- Wide range of contents especially in technology.

- Use for free.

- Reliable knowledge.

- + Major Weakness:

- Content not for everyone (non-technical).

- Can not access in some country (have to use VPN).

4. Product Overview

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

4.1 Product Perspective

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

The GoaTalks 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 GoaTalks through the Internet. A valid username and password must be entered in order for access to be granted.

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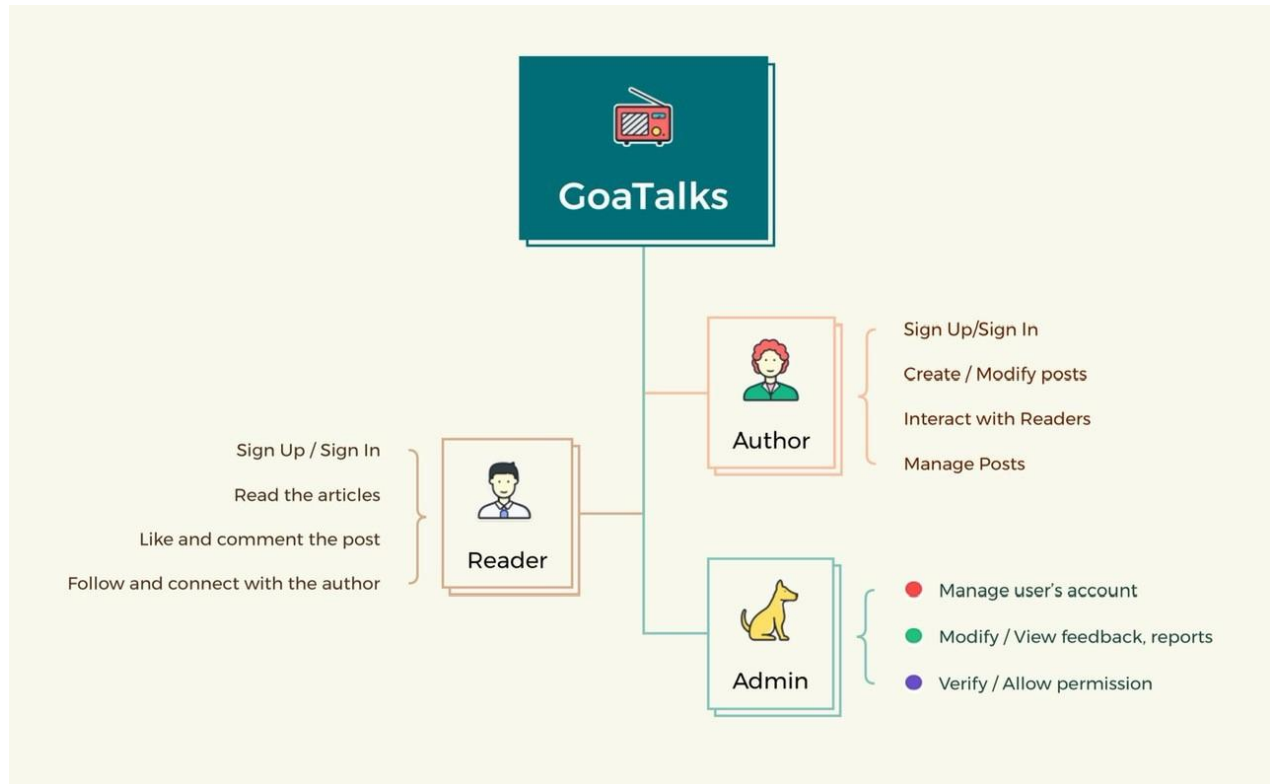


Figure 4.1 Connect-Me System Context Diagram

4.2 Assumptions and Dependencies

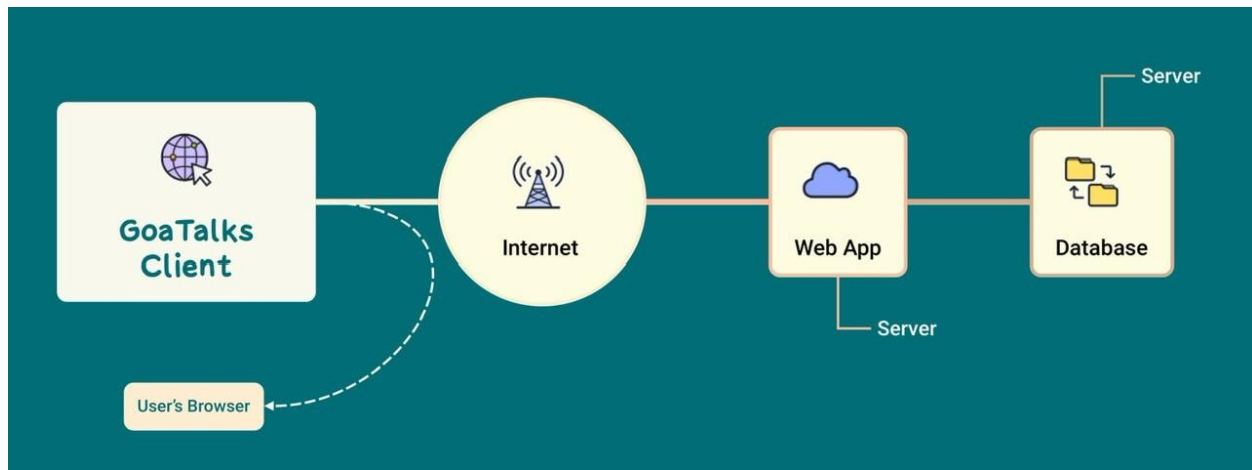


Figure 4.2 Connect-Me System System Overview

5. Product Features

No.	Feature	Description	Priority
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1	<i>Sign up</i>	Using mail/phone number to sign up.	High
2	<i>Sign in</i>	Users provide ID and password for the entry to the GoaTalks system.	High
3	<i>Post/Edit/Delete posted blogs</i>	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	Medium
4	<i>Edit Personal Info</i>	Users can edit or delete personal information when necessary (update avatar, full name, email, password, etc.)	Medium
5	<i>Interaction with Authors</i>	Readers can like the article and leave comments to thank and discuss any author's topic, and also click the follow author button to easily read new content.	High
6	<i>Interaction with Readers</i>	Authors can also respond to reader comments	High
7	<i>Manage Posts</i>	Authors can view popular articles and sort them.	High
8	<i>Notify</i>	Send notifications to followers when there are new posts	Medium
9	<i>Search</i>	Readers can search by article name, author name as well as by the article's release time	High
10	<i>View User's Info</i>	View others users information	Medium

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6. Non-Functional Requirements

- Scalability:
 - Response Time: Specify the maximum acceptable time for a page to load or an action to be completed.
 - Throughput: Define the number of concurrent users the system should support without a significant decrease in performance.
- Usability:
 - User Interface (UI): Specify design and layout standards for a consistent and user-friendly interface.
 - Accessibility: Define requirements for making the website accessible to users with disabilities.
- Security:
 - Authentication: Define requirements for user authentication mechanisms to ensure that only authorized users can access and modify content.
 - Authorization: Specify access control requirements to ensure that users have appropriate permissions for different actions.
- Reliability:
 - Compatible with various browsers, devices, and platforms (PC is preferred for a better experience)
 - Ensure users can access the application from their preferred device.
 - Availability: Define the acceptable downtime for maintenance and unexpected outages.
 - Fault Tolerance: Specify the system's ability to continue functioning in the presence of hardware or software failures.