Web Chat Application

Version <1.0>

Revision History

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# Introduction

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

## Purpose

The purpose of this document is to provide a short description of the main goals that should be achieved by this application.

## Scope

This Vision document is associated with the development of the Web Chat Application. This system will allow the users to access a web interface to create groups with other users, communicate with these groups and share files between them.

## Definitions, Acronyms, and Abbreviations

In the Glossary document terms like ‘text message’, ‘file attachment’ and ‘conversation’ are defined in the context of this application. The constraints that will apply to the concepts described by these terms are also described there.

## References

## Overview

This document contains the following chapters:

* Introduction – contains general information about this document
* Positioning – describes what the product is and what problem it will try to solve
* Stakeholder and User Description – describes the profiles of both user and non-user stakeholders

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | The need of better communication between groups of people |
| affects | People who are part of organizations where communication a necessity |
| the impact of which is | Inefficient communication |
| a successful solution would be | Creating an application that can be easily used by everyone on most existing platforms. |

## Product Position Statement

|  |  |
| --- | --- |
| For | Various organizations |
| Who | Need good communication between their members |
| This system | is a software product |
| That | Is reliable and easy to use |
| Unlike | Other similar applications |
| Our product | Allows the formation of multiple chat groups, instead of just providing user-to-user chat functions |

# Stakeholder and User Descriptions

## Stakeholder Summary

This section will present only the non-user stakeholders.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Market Analyst | This is a non-user stakeholder that influences the development of the system. | Decides which features of the system are demanded by the market. |
| Organization manager | This is a non-user stakeholder who will benefit from using the application by having better means of communication between the member of their organization. | Takes decisions regarding the user experience and the implemented use-cases. |

## User Summary

This section will present the stakeholders who are also users of the application.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| User | Any person who uses the web application to communicate with other users. This is an end-user of this system. | Create new conversations, take part in existing conversations, add new users to existing conversations | Self |
| Administrator | A client who wants to host the application on their own servers so it can be used on their intranet. (Example: in a company or organization) | Manage the servers where the application is hosted. | Self |

## User Environment

The users will access this system by using their web browser. The development of this system will focus on modern web browsers like Google Chrome and Mozilla Firefox first and compatibility with older browsers like Internet Explorer will be treated as an extra goal.

# Product Requirements

The server application will use the Spring Boot technology so it should be able to be ran on any machine that can run the Java Virtual Machine (JVM).

The client application will be server from a NodeJS server by using Angular-cli.

The application will be accessible by using any modern web browser.

This system will be developed and tested on a machine that runs Windows 10 (64 bit) and that it also runs the database server used by the system.

Judging by the technologies used it should be possible to run the server on any operating system.