Software Requirements Specification

for

WebChat

Version 1.0 approved

Prepared by Abraham Aldana

California State University Bakersfield
CMPS 4350

Monday, March 8, 2021

Table of Contents

1. Introduction

1.1 Purpose

WebChat version 1.0 is a web-based application that will enable text communication between two different people using the internet.

1.2 Document Conventions

This document uses Times New Roman font size 14 for header text and Arial font size 11 for body text. No special conventions were used. The application will be written in HTML, CSS, PHP, and Javascript.

1.3 Intended Audience and Reading Suggestions

This document is intended for users, testers, and professors. I have no suggestions for how to read this document.

1.4 Product Scope

WebChat version 1.0 is a web-based app that will enable text communication between two different people using the internet. The goal is to have communication working between two different people so that they will be able to communicate with each other from anywhere in the world as long as they have access to the internet.

2. Overall Description

2.1 Product Perspective

WebChat is being developed for the purposes of the CSUB CMPS 4350 Advanced Software Engineering class.

2.2 Product Functions

The major functions needed for this application are a function to handle the user sending a message and a function to handle the user receiving a message.

2.3 Operating Environment

WebChat will be able to operate on any web browser as long as it supports the HTTPS communication standard.

2.4 Design and Implementation Constraints

One constraint to the further development of the WebChat application is a time constraint. There is not enough time to add more features that can make this application similar to some popular competitors that are widely used today.

3. External Interface Requirements

3.1 Hardware Interfaces

The only hardware requirement to run this application is that it must be able to connect to the internet and it must be able to run a web browser.

3.2 Software Interfaces

The only software required to run this application is a web browser.

3.3 Communications Interfaces

WebChat will use a web browser and a connection to the internet to send and receive messages using the HTTPS communications standard.

4. System Features

4.1 Send Message

4.1.1   Description and Priority
User will be able to send a message to someone else. High Priority.

4.1.2   Functional Requirements
User must have an internet connection and the ID of the user they are trying to send the message to.

4.2 Receive Message

4.2.1   Description and Priority
User will be able to receive a message from someone else. High Priority.

4.2.2   Functional Requirements

User must have an internet connection and have given the sender their ID in order to receive a message.

5. Other Nonfunctional Requirements

5.1 Security Requirements

Users should not send any important or confidential data as this application will not handle encryption of messages in any way.