

1. Introduction

a. Purpose

The main purpose of this document is to present a detailed description of the Horizon social media app. It will explain the features, interfaces, what the system will do, and the constraints in which the software must operate. This document is intended for the developers of the system and the client and serves as a guide for future enhancements and modifications.

b. Client

The client is Edwin Rodriguez, a professor from Cal Poly Pomona who envisions a new social media platform that allows for meaningful engagement.

c. Company

Horizon is a newly formed company that specializes in web applications that are scalable, secure, and user-friendly.

d. Scope of Project

This app will be a social media app for the client. The app will feature user accounts, content creation, voting system, communities, and messaging between users. Horizon hopes to combine the features of popular social media platforms such as Reddit and Instagram to create a fresh and new idea.

2. Overall Description

- a. Horizon-socialmedia is a social media platform where users can create accounts, join communities, interact through posts, comments, voting, and messaging. The app is designed for users to create content and engage with others. Communities will act as a backbone for the platform and allow users to do a variety of functions.

3. Functional Requirements

- a. User Management
 - i. Account Creation
 - ii. Authentication and Authorization
 - iii. User Profiles
 - iv. Following System
- b. Content Creation and Management
 - i. Post Creation
 - ii. Content Editing and Deletion
 - iii. Community Management
 - iv. Filter Content
- c. Interaction and Engagement
 - i. Voting System
 - ii. Commenting
 - iii. Discussions

- d. Notifications
 - i. Activity Notifications
 - ii. Customizable Alerts
- e. Messaging
 - i. Direct messaging
 - ii. Group Chats
- f. Community Features
 - i. Follow Communities
 - ii. Moderation tools
 - iii. Guidelines
- g. Content Moderation
 - i. Reporting
 - ii. Content Removal
- h. Search and Discovery
 - i. Search Functionality
 - ii. Recommendations

4. External Interface Requirements

- a. User Interfaces
 - i. The app has a UI that works on desktop platforms
- b. Hardware Interfaces
 - i. The system should be deployable on cloud infrastructure like AWS

5. Nonfunctional Requirements

- a. Accessible Rich Internet Application (ARIA)
- b. Consistent user interface, fonts, colors, format across all views
- c. The app should have reasonable performance and loading times
- d. Security Requirements that allow for safe keeping of user details

6. Risks and Assumptions

- a. Risk of security breaches should be mitigated by using proper security by providing correct User access and levels
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