Blog Application

1. Introduction

1.1 Purpose

This document outlines the requirements for a blog application that will enable users to create, manage, and publish blog posts.

1.2 Scope

The blog app will focus on the core functionalities of blogging, including:

- User registration and login

- Post creation, editing, and deletion

- Post categorization and tagging

- Commenting and replying

- Search functionality

- Integration with social media platforms

2. Overall Description

2.1 Product Perspective

The blog app will be a web-based application accessible through a web browser. It will be designed to be user-friendly and intuitive.

2.2 Product Features

User Management

- User registration and login

- Password recovery

- Profile management (avatar, bio, preferences)

Post Management

- Post creation with rich text editor

- Post editing and deletion

- Post categorization and tagging

- Post scheduling

- Post drafts and publishing status

Comments and Replies

- User commenting and replying

- Comment moderation

- Comment notifications

Search

- Search by keyword, category, or tag

- Search result filtering and sorting

Social Media Integration

- Integration with popular social media platforms (e.g., Facebook, Twitter)

- Sharing posts to social media

- Social media login options

3. System Features and Requirements

3.1 External Interfaces

User Interface: Responsive design for various screen sizes, intuitive navigation.
Hardware Interfaces: Compatible with standard web browsers (Chrome, Firefox, Safari, Edge).
Software Interfaces: Backend database (MySQL, PostgreSQL, MongoDB), web frameworks, and social media APIs.

3.2 Functional Requirements

- User Registration and Login

- Post Management

- Comments and Replies

- Search

- Social Media Integration

3.3 Non-Functional Requirements

- Performance

- Security

- Usability

- Reliability

- Scalability