Software Requirements Specification

Project-Blogging App.

Table of Contents

1. Introduction
   1. Purpose
   2. Scope
   3. Definitions, Acronyms, and Abbreviations
2. Overall Description
3. Functional Requirements

3.1 User Registration and Authentication

3.2 Blog Management

3.3 Commenting System

3.4 User Profile

3.5 Search and Filter

4. Non-Functional Requirements

4.1 Performance

4.2 Security

4.3 Usability

4.4 Reliability

5. Conclusion

1. Introduction

1.1 Purpose

The Blogging App is a platform designed to allow users to create, publish, and manage their blogs .It provides an intuitive interface for both bloggers and readers, enabling easy content creation, sharing, and interaction.

1.2 Scope

The app aims to provide many key features like user registration and authentication, blog creation, editing and deletion, publishing and managing blog posts, commenting on blogs, user profile management and search and filter functionality.

1.3 Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| User | An individual who interacts with the Blogging App, either as user or a blogger. |
| Blog | A collection of articles or posts created by a user. |
| Post | A single article or entry within a blog, typically containing text and media. |
| Comment | Feedback or response provided by readers on individual blog posts. |
| Tag | Keywords or labels assigned to blogs or posts for categorization and search purpose. |

2. Overall Description

This application aims to facilitate the sharing of knowledge and expertise across a wide range of topics. Users can ask questions on virtually any subject, and others with relevant knowledge can provide answers. This application aims to facilitate the sharing of knowledge and expertise across a wide range of topics. Users can ask questions on virtually any subject, and others with relevant knowledge can provide answers. This application aims to accumulate a vast repository of knowledge on various subjects, becoming a valuable resource for individuals seeking information, insights, or solutions to their queries.

3. Functional Requirements.

3.1 User Registration and Authentication

Users can register for a new account by proving a valid email address and password. Registered users can log in using their email address ad password. Password must be securely hashed and sorted and users can reset their passwords via email verification.

3.2 Blog Management

Authenticated users can create a new blog and they can edit and delete their blogs. Blogs must have a title, content, and optional tags.

3.3 Commenting System

Readers can comment on individual blog posts. Comments must be approved by the blog owner before being displayed publicly and users can reply to existing comments.

3.4 User Profile

Users can view and edit their profile information. Profile information may include a display name, profile pictures, and bio.

3.5 Search and Filter

Users can search for blogs and posts by title, contents, or tags. Filter option allows users to refine search results by date, category, or popularity.

4 Non-Functional Requirements

4.1 Performance

The system must handle a large number of concurrent users without significant performance degradation. Response times for critical operations should be less than 2 seconds.

4.2 Security

User authentication and session management must be secure to prevent unauthorized access. Personal user data must be encrypted both in transit and it rest.

4.3 Usability

The user interface must be intuitive and user-friendly, catering to users of all technical levels.

4.4 Reliability

The system should be available 24/7 with minimal downtime for maintenance. Regular backups of user data should be performed to prevent data loss in case of system failure.

5 Conclusion

The Blogging App aims to provide a comprehensive platform for users to express themselves through blogging while facilitating interaction and engagement within the blogging community. By adhering to the outlined requirements, the system will offer a seamless and secure experience for both bloggers and readers alike.