

1. Introduction

1.1 Document Purpose

The purpose of this document is to build an online blogging website that helps bloggers to show off their skills.

1.2 Product Scope

The purpose of the online Blogging management system is to blog and to create a convenient and easy-to-use application for users, trying to shoot the blogs and post. We will have a database server supporting hundreds of bloggers around the world. Above all, we hope to provide a comfortable user experience along with the best features available.

1.3 Intended Audience and Document Overview

This project is a prototype for the blogging management system and it is restricted within the country premises. This has been implemented under the guidance of college professors. This project is useful for the blogging management team and as well as to the viewers.

1.4 Definitions, and Abbreviations

A blog is an online journal or informational website displaying information in reverse chronological order, with the latest posts appearing first, at the top. It is a platform where a blogger or a group of bloggers share their views on an individual subject.

1.5 Document Conventions

This document is used for to understand the flow of the system. It described the system characteristics, flow of software, how to use the system. Document is mainly used for user to understand what about system do, what is the system used for and why this system being developed.

1.6 References and Acknowledgments

[UML Use Case Diagram Symbols \(edrawsoft.com\)](http://edrawsoft.com/UML-Use-Case-Diagram-Symbols.aspx)

[ER Diagram Symbols and Notations | Edra \(edrawsoft.com\)](http://edrawsoft.com/ER-Diagram-Symbols-and-Notations.aspx)

[UML Class Diagram Symbols \(edrawsoft.com\)](http://edrawsoft.com/UML-Class-Diagram-Symbols.aspx)

[UML Sequence Diagram Symbols \(edrawsoft.com\)](http://edrawsoft.com/UML-Sequence-Diagram-Symbols.aspx)

[Data Flow Diagram \(DFD\) Symbols - EdrawMax \(edrawsoft.com\)](http://edrawsoft.com/Data-Flow-Diagram-(DFD)-Symbols.aspx)

[UML Activity Diagram Symbols \(edrawsoft.com\)](http://edrawsoft.com/UML-Activity-Diagram-Symbols.aspx)

2. Overall Description

2.1 Product Perspective

1. A distributed Blogging database system stores the following information.
2. **Blog details:**
It includes the copyright of the blogger and their profiles, along with the bloggers history of travelling.
3. **Viewing description:**
It includes likes, comments and location of the blog. That information may be used for keeping the records of the blogs for any other kind of information.

2.2 Product Functionality

- **Blog Post Archive**
- **RSS Feed**
- **Comment System**
- **Search**
- **Contact Method**

2.3 Users and Characteristics

- Users of the system should be able to retrieve information of cities with the given date/time of travel from the database. The system will support two types of user privileges, Viewers and Bloggers. Viewers will have access to Viewers functions, and the Bloggers will have access to both Viewers and Bloggers management functions.
- The Viewers should be able to do the following functions:
 - Search for a blog of specific location.
 - like
 - comment
 - contact blogger
 - visit blogger profile
- The Blogger should have following management functionalities:
 - Add/Delete his blog

- Add a new location
- Update locations specifications
- Add a new topic for blogging
- Update his current location.

2.4 Operating Environment

- Operating environment for the blogging management system is as listed below.

2.5 distributed database

- client/server system
- Operating system: Windows.
- platform: Html/css

2.6 Design and Implementation Constraints

Requires an Active internet connection.

Location should be turned on while using our webpage.

Web Browser should be required.

2.7 User Documentation

In this the visitor can only see blogs of other people but can't change anything in blogs that are posted by bloggers and bloggers can not post unrelated and sensitive content. And users that are not signed up are not allowed to post, comment on any blogs. No copyrighted contents should be posted by bloggers.

2.8 Assumptions and Dependencies

Let us assume that this is a distributed Blogging management system and it is used in the following application:

- A request for post and delete of a Blog.
- Calculation of bloggers in a specific location (most frequent bloggers) and calculating appropriate likes and comments on any post.

3. specific Requirements

3.1 External Interface Requirements

3.1.1 User Interfaces

Proposed system is a Html website. Additional languages may be used to improve the appearance of the Website. • User need to login or register itself with email id and password. Then he/she Can see our website and can see other content. User have their own profile built in after login. They can have the access to see someone's content also.

3.1.2 Hardware Interfaces

- Windows.
- A browser which supports HTML & CSS
- Mobile phones – Android OS

3.1.3 Software Interfaces

Following are the software used for the blogging management.

Software used	Description
Operating system	We have chosen Windows operating system for its best support and user-friendliness.
Database	To save the blog records, blogger records we have chosen SQL database.
HTML	To implement the project, we have chosen HTML language for its more interactive support.

3.1.4 Communications Interfaces

This project supports all types of web browsers. We are using simple electronic forms for viewers communication with bloggers and developers. And some social media apps through which they can communicate.

3.2 Functional Requirements

Display output: Mainly the blogs can be displayed after login form is completed.

Language selection: Language selection is used to the change the language as an input and output.

Login / Sign Up: For one user the login-state can be either logged in, if not logged in then Create the user ID.

Suggestions & feedback: This function is used to any query and some types of changes suggestion and giving feedback to the administrator.

3.3 Behaviour Requirements

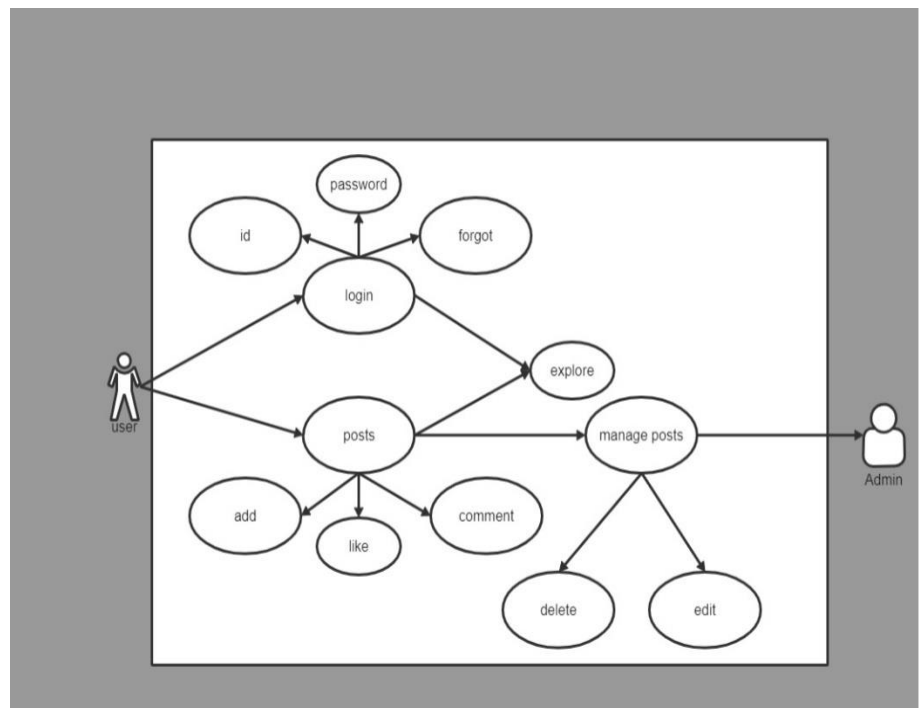
3.3.1 Use Case View

User:

- User post photos and video
- user can see the other blogs
- user can like comment
- user can login/sign up

admin:

- admin can manage others post
- admin can delete and edit if some content areas sensitive or improper
- admin can directly contact anyone with the information provided by user



4. Other Non-functional Requirements

4.1 Performance Requirements

- The website will be loaded and will be usable within 5 seconds
- You need an active internet connection

4.2 Safety and Security Requirements

If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed-up log, up to the time of failure.

Security systems need database storage just like many other applications. However, the special requirements of the security market mean that vendors must choose their database partner carefully.

4.3 Software Quality Attributes

- **AVAILABILITY:** The blog should be available to all viewers surfing on the website.
- **CORRECTNESS:** The blog should reach post from correct post terminal and should reach the correct database.
- **MAINTAINABILITY:** The bloggers and viewers should maintain correct locations.

Appendix A– Plagiarism Report



PLAGIARISM SCAN REPORT

Words 995 Date October 09, 2021

Characters 6738 Excluded URL

12%

Plagiarism

88%

Unique

6

Plagiarized
Sentences

44

Unique Sentences

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