

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,  
ALLAHABAD

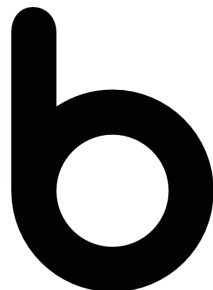
# Software Engineering

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REPORT  
For

**BLOGR**



A WEB APPLICATION  
FOR BLOGGING

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## **1. Introduction:**

“Blogr” is basically a web application, which provides user a platform to share his ideas with the whole world in form of text/audio. It is a blogging website with additional features to maximize the learning capabilities of the user.

## **2. Objective**

Blog in a web application is used for promoting products and services, writing articles, providing product updates, educating users. Blog facilitates communication and interaction with the user to share knowledge and expertise.

Online Blogging System is a perfect platform for students, teachers, institutional administrative purposes.

The basic objective of developing this project is:

- To promote collaboration with people across the world.
- To increase motivation for reading and writing.
- To showcase the student's accomplishments, talents, ideas or anything that they can't express.
- To create a digital portfolio of students.

### 3. Functionalities

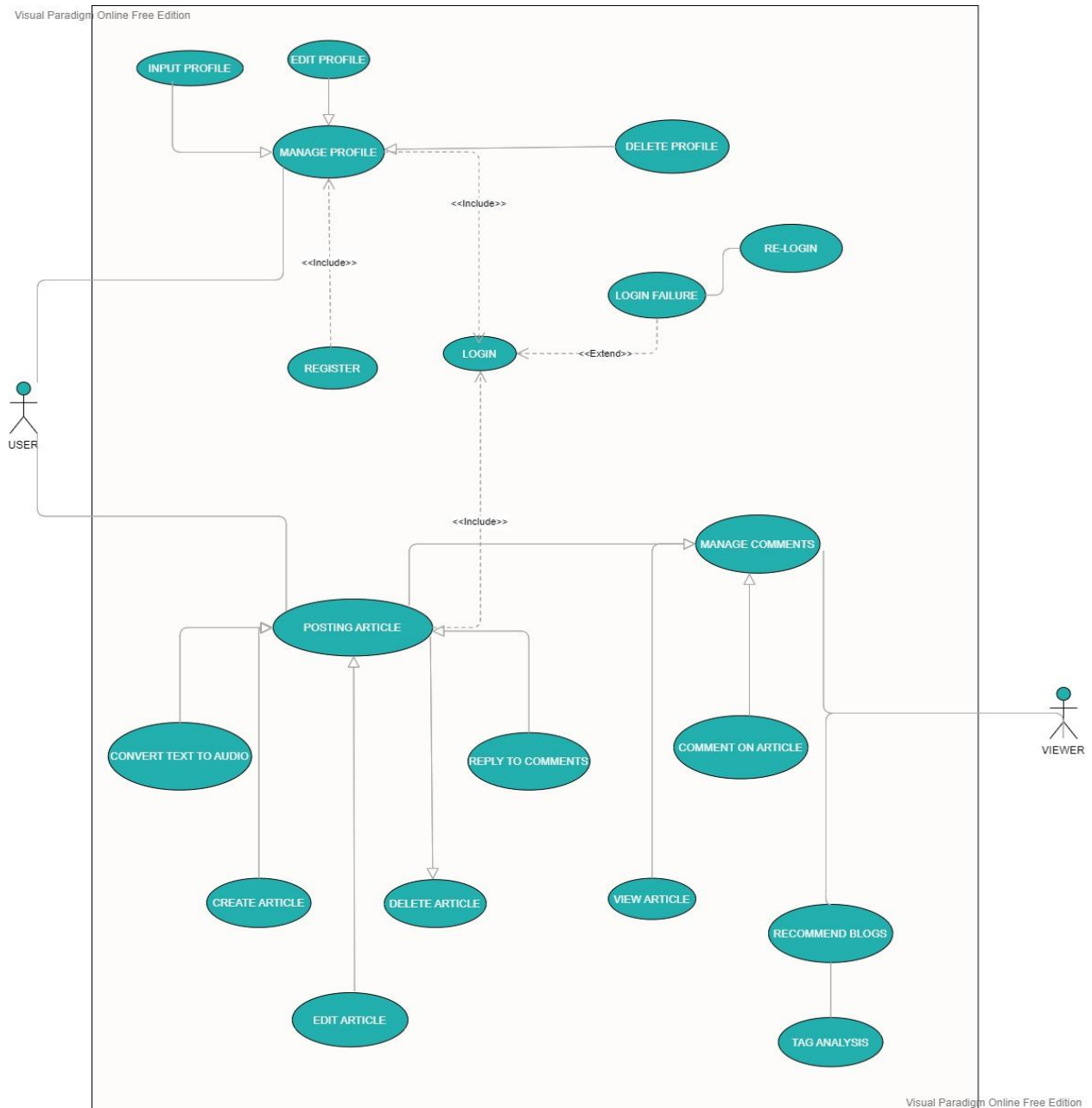
“Blogr” supports the following use cases:

- User Login : Allows users to login on platform using the credentials to get personalized content.
- Authentication : Secure password protection and data encryption.
- Search Blogs : User can search blog based on their needs through tags and authors
- DashBoard : It is the default page of the site and we can access this option from the left hand side anytime.
- Accessing Content : Content can be accessed in both audio and text format.
- Profile Page : A personalized page to view and edit your information , favorite blogs, published blogs and drafted blogs
- Blogs
  - Bookmark Blogs: A user can bookmark blogs for future reference
  - Draft Blogs : Draft blogs are private blogs of user which can be edited and published later
- Audio Conversion : Blog text is converted in audio format for users who prefer audio input than visual input
- Voice Assistance : Writers can use both text and voice input to write a blog

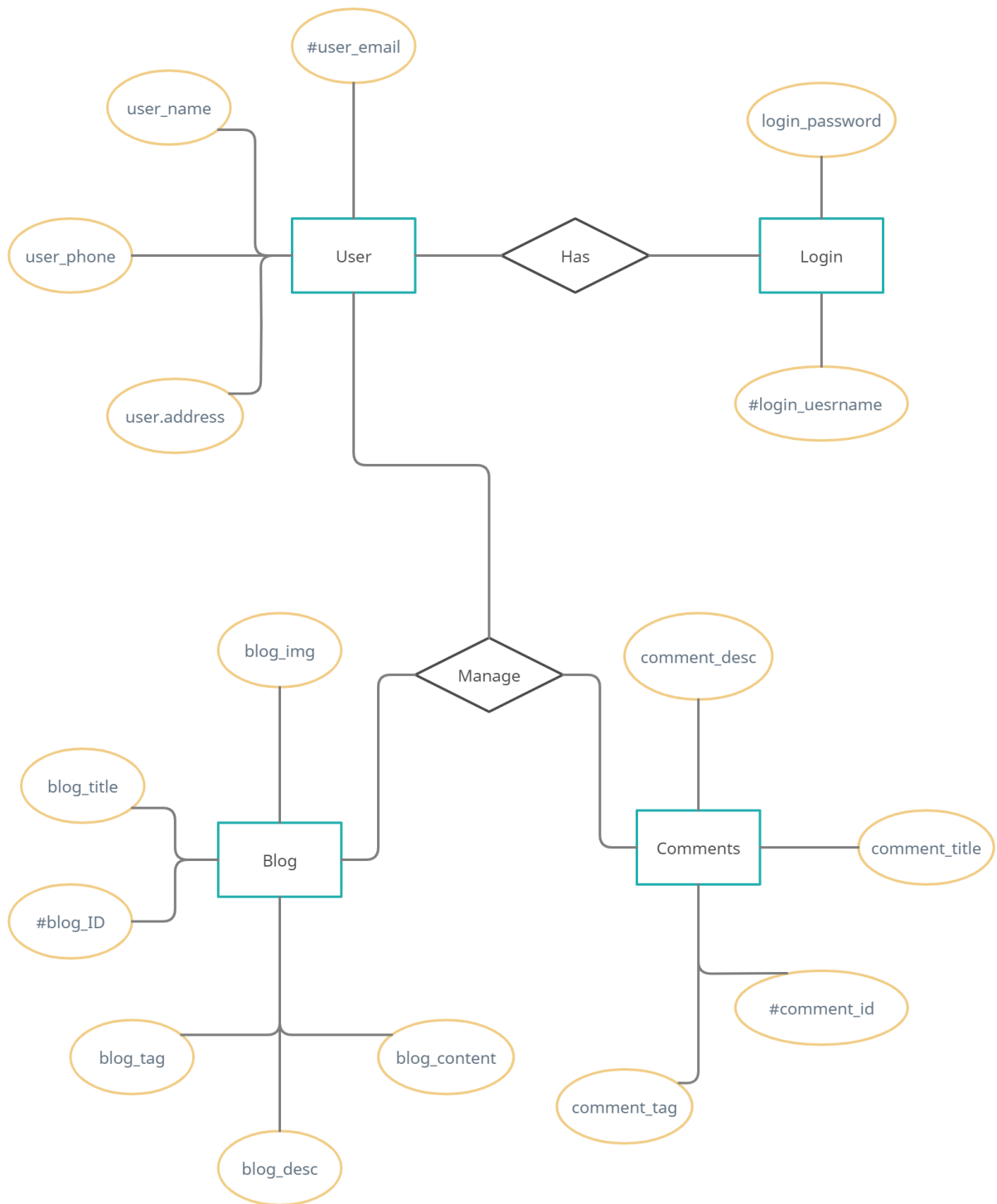
- Discussion Forum : A specific comment section for each blog to increase the participation of readers.
- Blog Tagging : Blogs can be tagged by author by using 200+ inbuilt tags and blogs can be filtered using these tags
- Data Storage : The received data of the user based on username from various profile is stored in the database

## 4. Logical Architecture

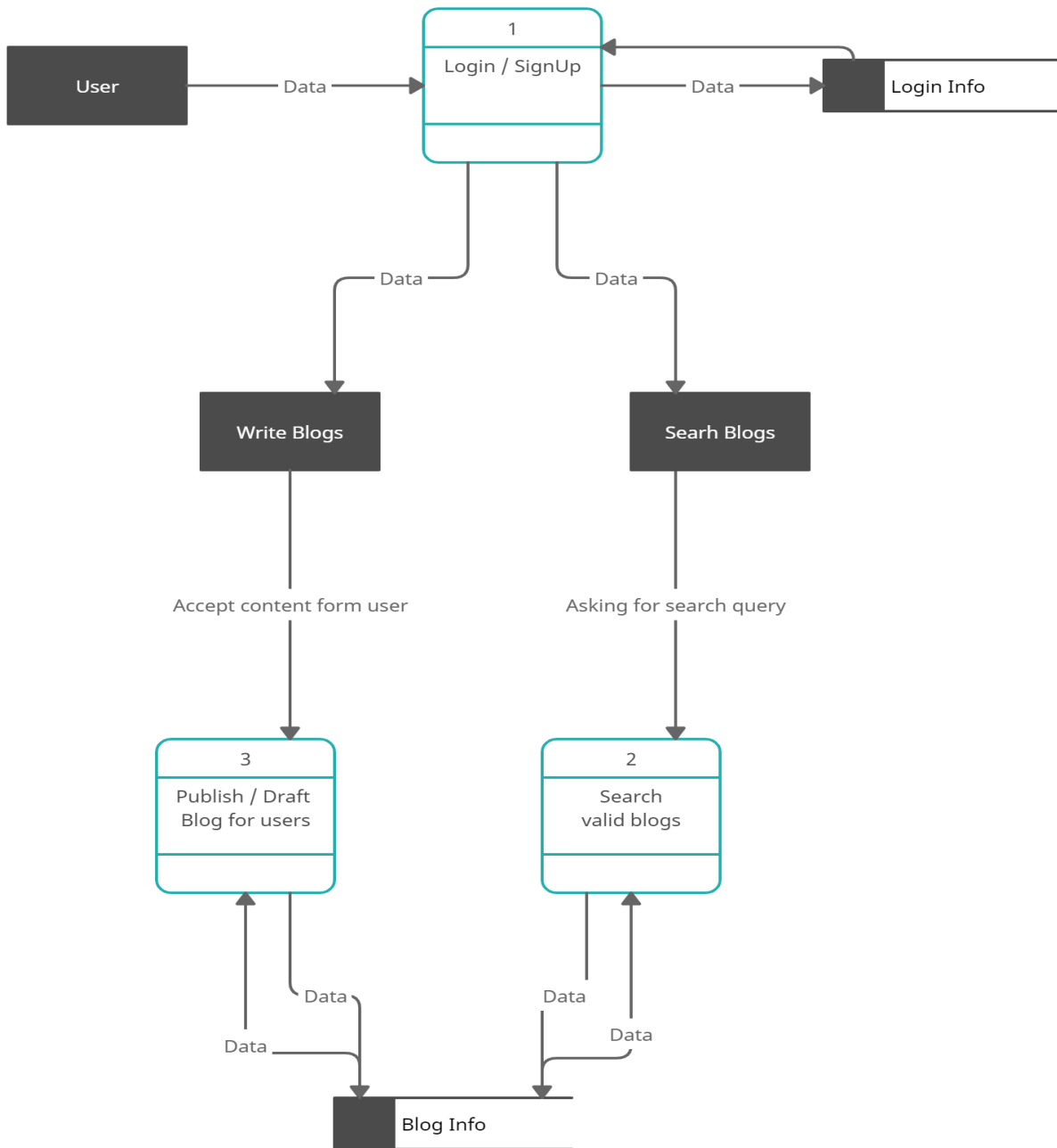
### a. Use Case Diagram



## b. ER Diagram



### c. Data Flow Diagram





## 5. Screenshots

**b** Blogr

[Home](#) [Search](#) [Features](#) [Team](#) [Contact](#)

m

A platform to share  
your ideas with the  
world and grow  
together

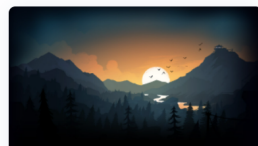
Start Writing →



## Home Page

🔍 What are you looking for .....

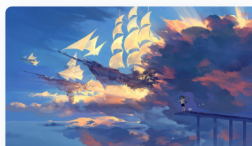
### Top Searches



Apr. 29,2022 2 views

**SUNRISE**

Read More →



Apr. 29,2022 1 views

**FREEDOM**

Read More →



Apr. 29,2022 0 views

**ALONE**


Read More →




## Search Page

CONTACT


Contact Us



**Address**  
D-42, Part 2, South Extn  
Delhi ,110049



**Call Us**  
+91 85100 62040  
+91 81207 76626




**Email Us**  
mridulmittal20@gmail.com  
piyushgurjar006@gmail.com

Send Message

↑

## Contact Page

### User Info



**mridul**  
mridul  
Blogs : 1  
Reads : 4

mridul

mridul@gmail.com

8510062040

Home

Update Details

Draft

Published

Favourite

What Is True Freedom?  
May 11,2022

Views : 4



## Profile Page

UPLOADED IMAGE RESULT

Choose file

Title

Let's write an awesome story!

Publish

Draft

## Draft Page

**b** Blogr

Search

mridul



-mridul

Tags

[Life](#)

## What Is True Freedom?

Freedom from spiritual arrogance, irrational fears, philosophies and idiocracy that keeps you enslaved. To be free therefore is to know we are acting in the will of God, everything else is bondage. Freedom is priceless and taken for granted by most. True freedom is to be able to control your mind and thoughts. Would you rather be free?

**View Blog**



hi



mridul

Write Comment

Write your comment here



Submit

## Comment Section

Voice Assistance

Create a new note by typing or using voice recognition.

Start

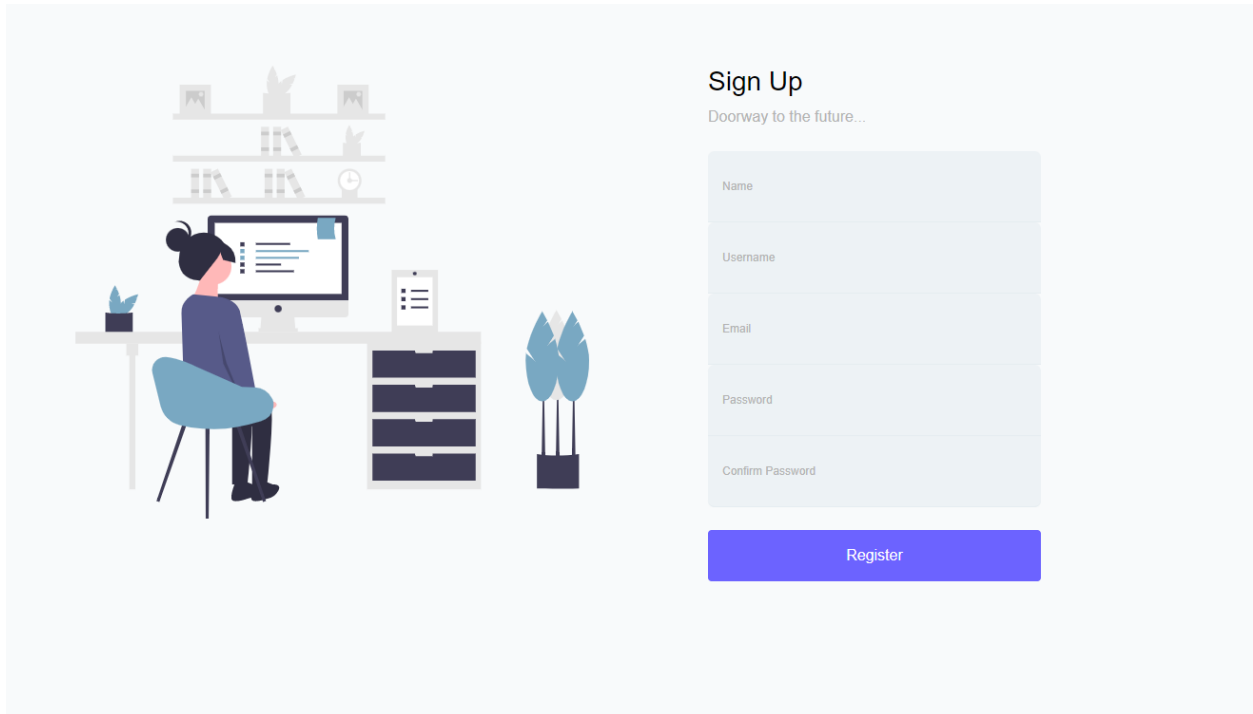
Pause

Select Tags

Publish

Draft

## Tagging + Voice Assistance



## Registration Page

## 6. Tech Stack

- MongoDB :- MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.
- Mongoose :- Mongoose is a JavaScript object-oriented programming library that creates a connection between MongoDB and the Express web application framework.
- JavaScript :- JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions.
- NodeJS :- Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.
- Express :- It is a back end web application framework for Node.js, released as free and open-source software under the MIT License
- Node-Modules
  - Nodemailer - to send emails
  - Body-parser - to parse json content
  - Passport - user authentication
  - Bcryptjs - salt hash password
  - Url - format data through url

