BLOG PUBLISHING SYSTEM

ONLINE BLOG PUBLISHING SYSTEM

A PROJECT REPORT SUBMITTED IN PARTIAL FULFILMENT OF REQUIREMENT
FOR THE AWARD OF THE DEGREE

MASTER OF COMPUTER APPLICATIONS (MCA)

OF

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

By

KAVYA BIJU
Reg No: 22PMC134

Marian College Kuttikanam (Autonomous)

Peermade, Kerala – 685 531

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Under the guidance of
Mrs. Reny Jose
Assistant Professor
PG Department of Computer Applications
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PG DEPARTMENT OF COMPUTER APPLICATIONS

Marian College Kuttikanam (Autonomous)

[MAHATMA GANDHI UNIVERSITY, KOTTAYAM]

KUTTIKKANAM – 685 531, KERALA.

CERTIFICATE

This is to certify that the project work entitled

"BLOG PUBLISHING"

is a bonafide record of work done by

KAVYA BIJU

Reg. No: - 22PMC134

In partial fulfillment of the requirements for the award of Degree of

MASTER OF COMPUTER APPLICATIONS [MCA]

During the academic year 2022 - 2024.

Mrs. Reny Jose

Assistant Professor

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KAVYA BIJU

ABSTRACT

The blog publishing application developed using Django offers users an intuitive platform for creating, publishing, and managing blog posts. It fosters user engagement, facilitates constructive feedback, and provides a seamless user experience. The application's user-friendly interface and efficient functionality empower individuals to share their knowledge, ideas, and experiences through engaging blog content.

Through the blog publishing application, users can register and create their personalized accounts. Once registered, users gain access to the application's core features, including the ability to create and publish blog posts. The platform provides a user-friendly interface for composing blog posts, allowing users to easily format and structure their content. Users can input the blog post title, author information, and write their content using rich text editing capabilities.

Once a blog post is ready, users can add blog, it will be verified by admin and publish the blog and making it available for public viewing. The application ensures proper organization and presentation of published blog posts, providing a seamless browsing experience for readers. Readers can access blog posts, read their content, and interact through various engagement features such as ratings and feedback.

The application also includes features for user interaction and engagement. Readers can rate blog posts and can express their opinion. Additionally, admin can leave feedback messages on specific blog posts.

In all means the blog publishing system will be a new turn for the bloggers and readers. The Front end of the software has been developed using HTML, CSS and the coding Language is PYTHON. The back end is developed using SQLITE database.

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1.INTRODUCTION

1.1 PROBLEM STATEMENTS

The traditional approach to creating and publishing blog content is often cumbersome and inefficient, requiring manual management of drafts, formatting, and publishing. This process lacks a centralized platform for users to easily create, publish, and manage their blog posts. Furthermore, there is a lack of effective interaction and engagement features between authors and readers.

1.2 PROPOSED SYSTEM

The proposed system is a comprehensive and user-friendly blog publishing application that aims to revolutionize the process of creating, publishing, and managing blog posts. The system will provide a centralized platform with an intuitive interface, enabling users to effortlessly create, format, and publish their blog content.

The key features are:

- User Registration and Authentication: The proposed system will include a user registration and authentication system, allowing individuals to create personalized accounts and securely access the application's features.
- Blog Creation and Editing: Users will be able to compose blog posts using a user-friendly editor that supports rich text formatting. The system will provide essential tools for content organization, such as headings, paragraphs, lists, and media embedding.
- Draft Management: The system will offer a dedicated section for managing drafts, allowing users to save their work in progress and edit it later. Users can easily access and edit their drafts before finalizing and publishing them.
- Interactive Features: The proposed system will facilitate user engagement through interactive features. Readers will be able to rate blog posts, providing feedback on the quality and relevance of the content. Authors can receive ratings and gain insights into the reception of their posts.

1.3 FEATURES OF THE PROPOSED SYSTEM

1.The system avoids redundancy by the use of several type of validation that is the system is enhanced.

2. Quick access and processing is the main advantage that forces as to implement the proposed system.

3. The main alteration between the existing system and the new automated system lies in the specialty which reduces the time consumption in an appropriate manner.

4. Specification of the automated system helps to accumulate all the details of the candidate

5. This software can be easily extended to any area

6. It is trouble-free to use.

7. Is highly reliable and gives approximate result to the user.

8. Best user interface

2.FUNCTIONAL REQUIREMENTS

2.1 FUNCTIONAL REQUIREMENTS

The following list of functional requirements explains the major features of the blog publishing system:

1. Blog Publish:
    - Admins have the authority to publish blogs submitted by users.
    - Once a user submits a blog post for review, admins can review the content and decide whether to publish it on the platform.
    - If approved, the blog post becomes visible to all users, and admins mark it as published.
2. View Blog:
    - The proposed system allows users to create, publish, and view their own blog posts on the platform.
    - Users can navigate to their blog section where they can access a list of their published blog posts.
    - By selecting a specific blog, users can view the complete content, including text, images, and any media elements incorporated within the blog post.
3. Update and Delete Blog:
    - Users have the capability to edit or remove their blog posts according to the admin message.
    - once an admin publishes a blog post, users are no longer able to update it.
    - This ensures that the published content remains consistent and maintains its original integrity.
    - Users can still delete their published blog posts if needed.
4. Read Blog:
    - The proposed system allows users to read and explore the published blogs on the platform.
    - Users can browse through a list of blog posts from various authors and select specific blogs of interest.
    - By clicking on a blog title, users can access the complete blog post and engage with its content.

5. Save to Draft:
    - Users can save their blog posts as drafts for future editing and publishing.
    - While creating a blog post, users have the option to save it as a draft instead of immediately publishing it.
    - This feature enables users to work on their blog posts over time, make revisions, and refine the content before finalizing and publishing it.
6. View Draft:
    - Users can view and manage their saved blog drafts.
    - When a user saves a blog post as a draft, it is stored in a designated section where users can access and edit their drafts. Once the user decides to publish the blog post, it is automatically removed from the "View Draft" page and moved to the "View Blog" page for public viewing.
7. View Admin Message:
    - Admins can send messages to users, and users can view these messages on the platform.
    - This feature facilitates communication between admins and users, allowing admins to provide updates, instructions, or notifications to the users.
8. Search Blog:
    - Users can utilize a search functionality to find specific blog posts based on titles or keywords.
    - This feature enables users to easily locate relevant content within the platform by entering search queries.
9. Edit Profile:
    - Users can edit and update their profile information on the platform.
    - They have the ability to modify details such as their display name, profile picture, bio, and social media links.
    - This feature allows users to personalize their profiles and showcase their identity.
10. Blog Count:
    - The proposed system tracks and displays the total number of published blogs by each specific user.
    - This feature provides users with insights into their blog posting activity and serves as a measure of their contribution to the platform.

11. Rate the Blog:
    - Users can rate the blog posts they read and view the overall rating of each blog.
    - This interactive feature allows users to express their opinion on the quality and relevance of the content.
    - The rating system provides feedback to authors and helps other users gauge the credibility and value of the blogs.

3.NON-FUNCTIONAL REQUIREMENTS

3.1 NON-FUNCTIONAL REQUIREMENTS

Non-Functional Requirements will be there in the insurance to the internet:

RELIABILITY

The reliability of the overall project depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes, Also the system will be functioning inside a container. Thus, the overall stability of the system depends on the stability of container and its underlying operating system.

AVAILABLITY

The system should be always available, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs. A customer friendly system which is access of people around the world should work 24 hours. In case of a hardware failure or database corruption, a replacement page will be shown. Also, in case of a hardware failure or database corruption, backup of the database should be retrieved from the server and saved by the Organizer. Then the services will be restarted. It means 24 X 7 availability.

MAINTAINABLITY

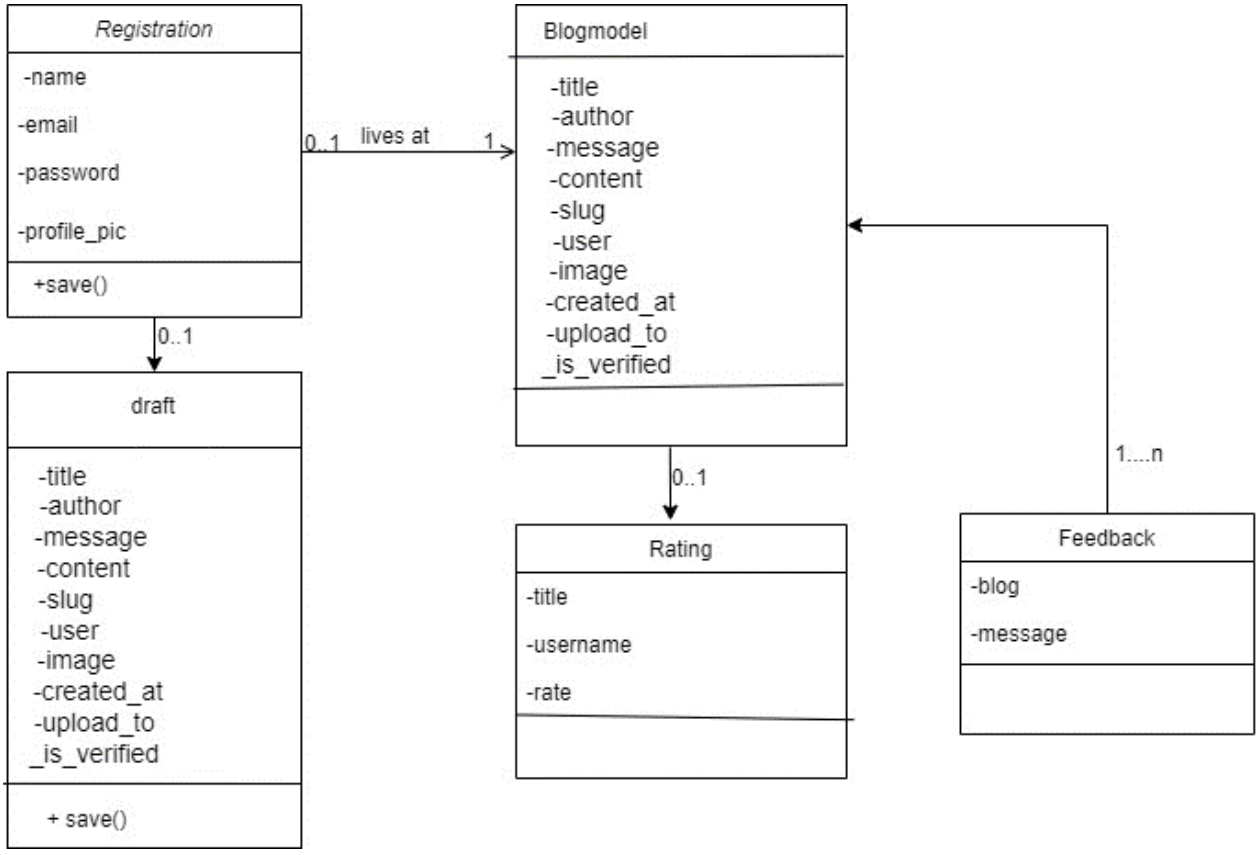
A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the project will be done. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently

SUPPORTABLITY

The code and supporting modules of the system will be well documented and easy to understand. Online documentation and help system requirements

4.UML DIAGRAMS

4.1 CLASS DIAGRAM



7.INPUT DESIGN AND OUTPUT DESIGN

7.1 INPUT DESIGN

The user interface design is very important for any application. The interface design describes how the software communicates with itself, to system that interpreted with it and with humans who use it. The input design is the process of converting the user- oriented inputs into computer-based formats. The data's feed into the system using simple interactive forms. The forms have been supplied with messages so that user can enter data without facing difficulties. The data is validated wherever it requires in the project. This ensures that only the correct data have been incorporated into the system. The goal of designing input data is to make the automation as easy and free from errors as possible. For providing a good input design for the application easy data input and selection features are adopted. The input requirements such as user friendliness, consistent format and interactive dialogue for write messages are also considered for the development of the project.

The following are the main input forms in the site:

• Registration form- bloggers is responsible for filling this form. user enters the relevant details through this form, and it is then stored in database and used further.

• Login form- Form used for login and it is used by bloggers.

• Profile updating form-used by user for updating profile information.

7.2 OUTPUT DESIGN

A quality output is one, which meets the requirements of the end user and presents the information clearly. In any system the result of the processing is communicated to the user and to the other system through output. In the output design it is determined how the information is to be displayed for immediate need, it is most important and direct source information to the user. Efficient and intelligent output design improves the system relationship with the user and helps in decision making. The objective of the output design is to convey the information of all past activities, current status and to emphasis the important events.

8. FUTURE ENHANCEMENT

8.1 FUTURE ENHANCEMENT

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. The software developed is very flexible and much functionality can be added to it, to enhance its performance. Different options can be included to improve the efficiency of the software. This app is highly secured system. Based on the future security issues, security can be improved using emerging technologies.

The following section describes the working that will be implemented with future release of the software:

- **Social Media Integration**: Implementing social media integration would allow users to easily share their blog posts on popular social media platforms, increasing the visibility and reach of their content.
- **User Interactions**: Enhancing the user interaction features by incorporating features such as comments, likes, and shares can foster engagement and encourage discussions among users.
- **Advanced Search Functionality**: Improving the search functionality by implementing advanced filters, tags, and categories can help users find specific blog posts more efficiently based on their interests or topics of choice.
- **Multi-author Collaboration**: Introducing collaborative features would enable multiple authors to work on a single blog post simultaneously, allowing for collaborative content creation and editing.
- **Notification System**: Implementing a notification system that alerts users about new comments, replies, or updates to their blog posts can enhance user engagement and encourage timely responses.

9. CONCLUSION

9.1 CONCLUSION

The blog publishing application is a powerful tool that streamlines the process of creating, publishing, and managing blog posts. It offers a range of features such as user registration, blog creation and editing, draft management, publishing control, interactive features, and user profile customization. The system empowers users to share their ideas, knowledge, and experiences with a broader audience and fosters engagement through ratings, comments, and discussions.

Furthermore, the proposed system includes features like search functionality, admin messaging, and blog count tracking, which enhance usability and provide valuable insights for users. The application is designed to be user-friendly, with an intuitive interface that simplifies content creation and management.

Looking towards the future, there are several potential enhancements that can be made to the blog publishing application. These include social media integration, multi-author collaboration, advanced search functionality, monetization options, analytics and insights, and the development of a mobile application. By incorporating these enhancements, the application can stay up-to-date, provide additional value to users, and cater to their evolving needs.

Overall, the blog publishing application serves as a valuable platform for individuals to create, publish, and share their blog posts effectively. It offers a user-friendly experience, encourages engagement and interaction, and provides a comprehensive set of tools for bloggers to showcase their content. With continuous improvement and future enhancements, the application can further solidify its position as a reliable and indispensable tool in the realm of online content creation and sharing.

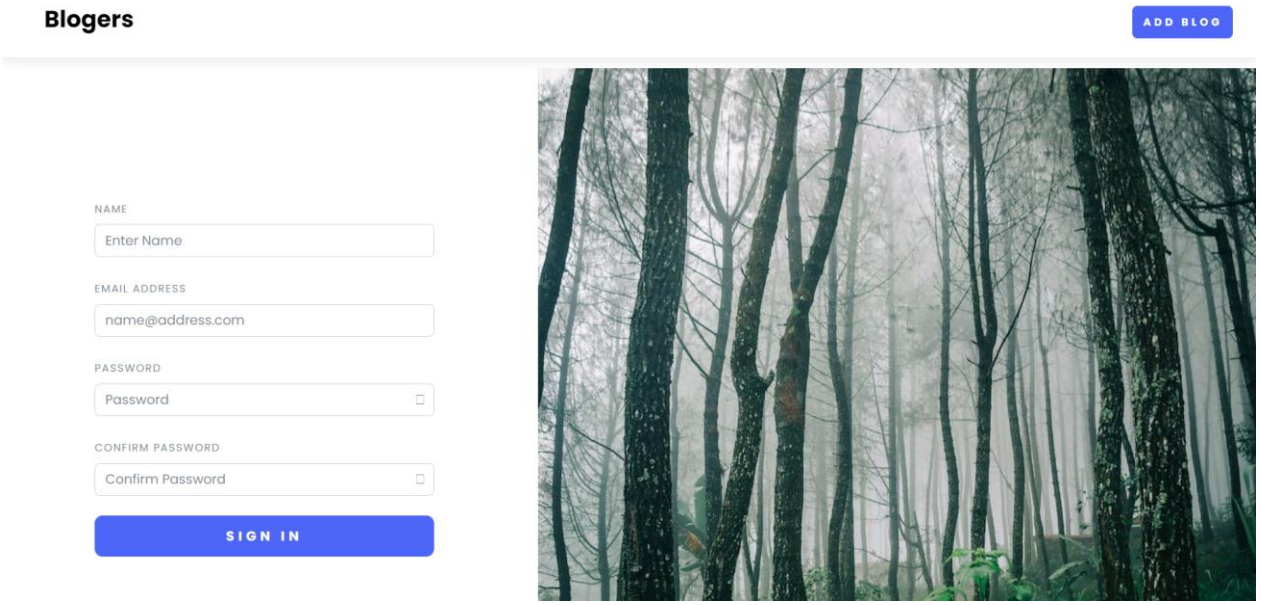
10. REFERENCES

10.1 REFERENCE

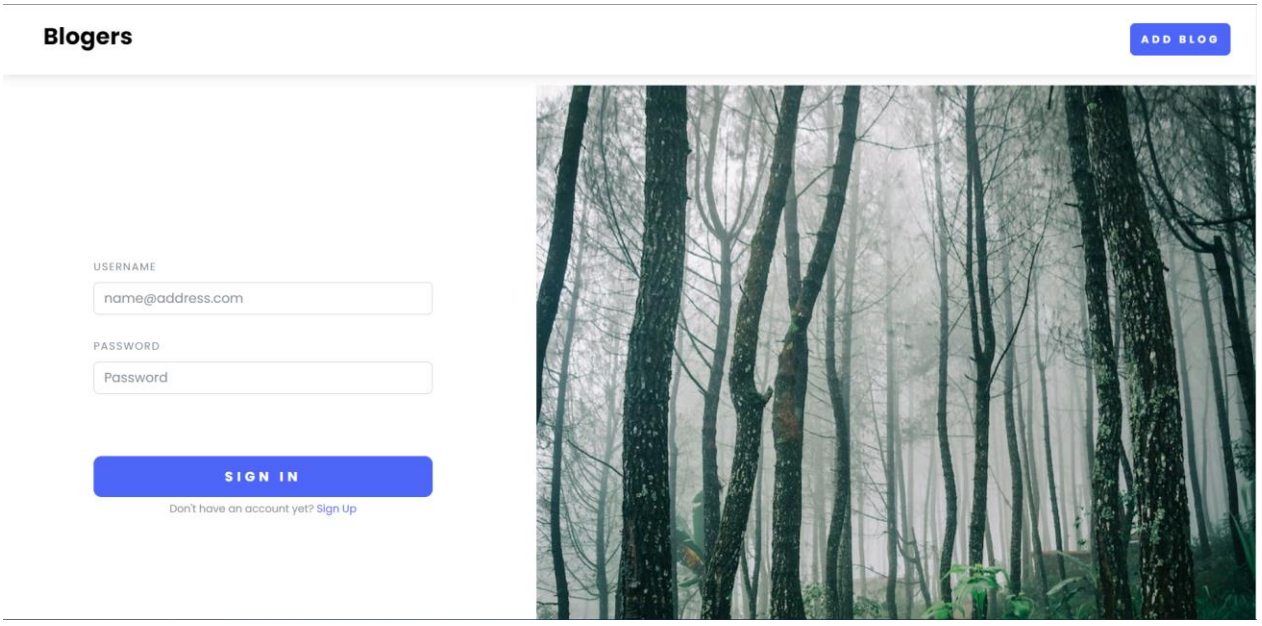
- https://bloggerspassion.com/best-blogging-apps/
- https://chat.openai.com/
- https://bloggingtips.com/blogging-apps/

11.ANNEXURE

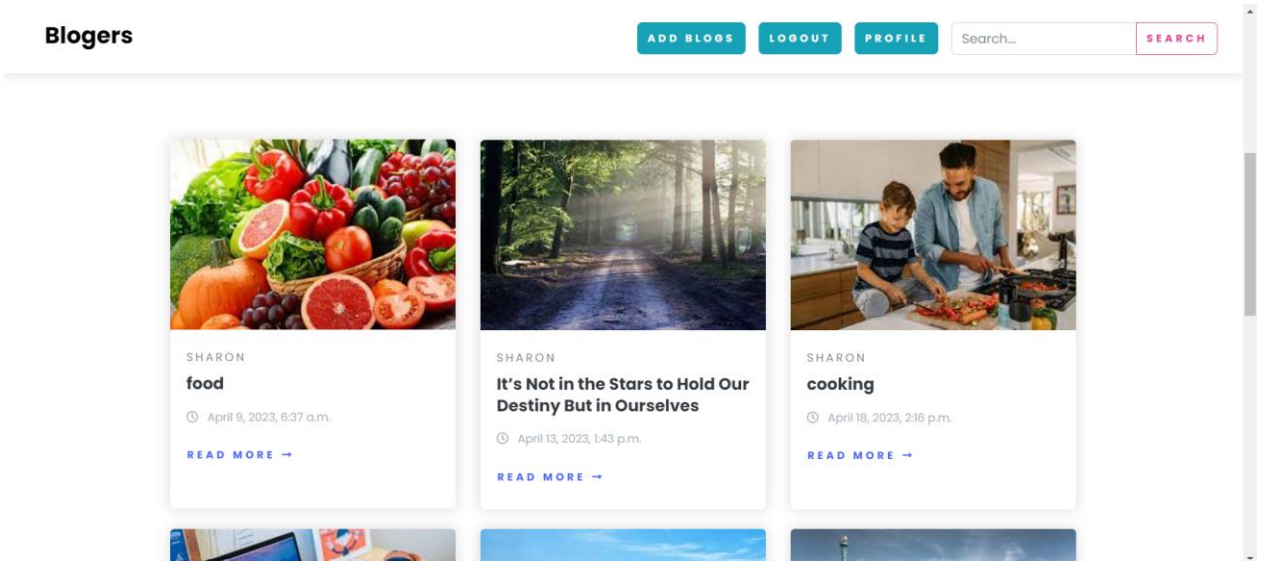
- **REGISTRATION PAGE**



- **LOGIN PAGE**



- **HOME PAGE**



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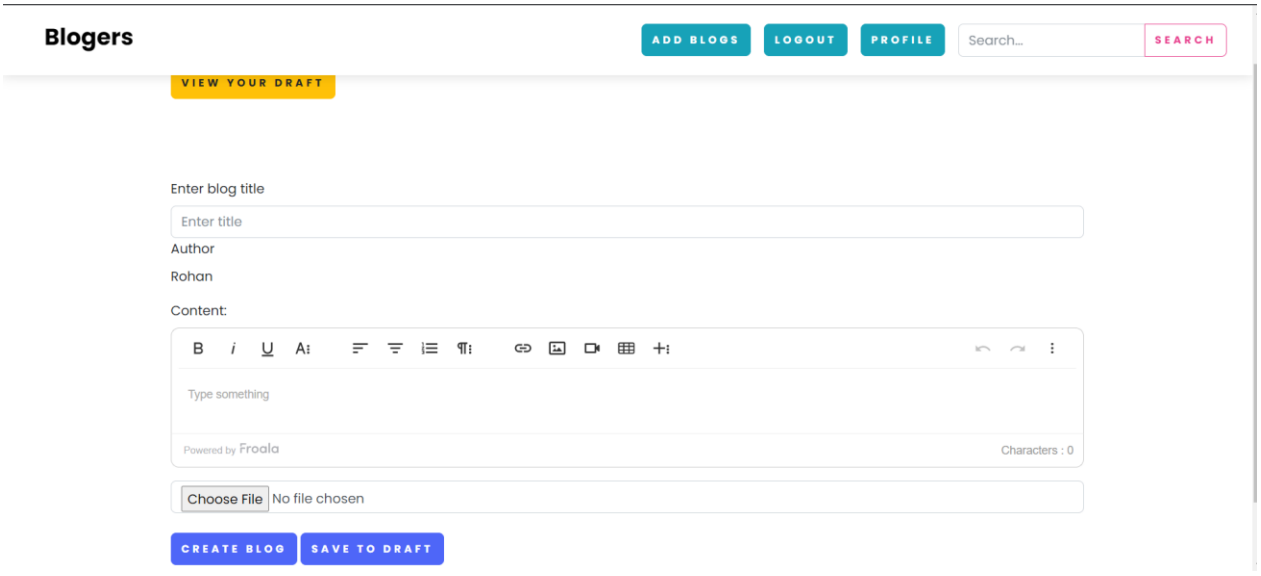
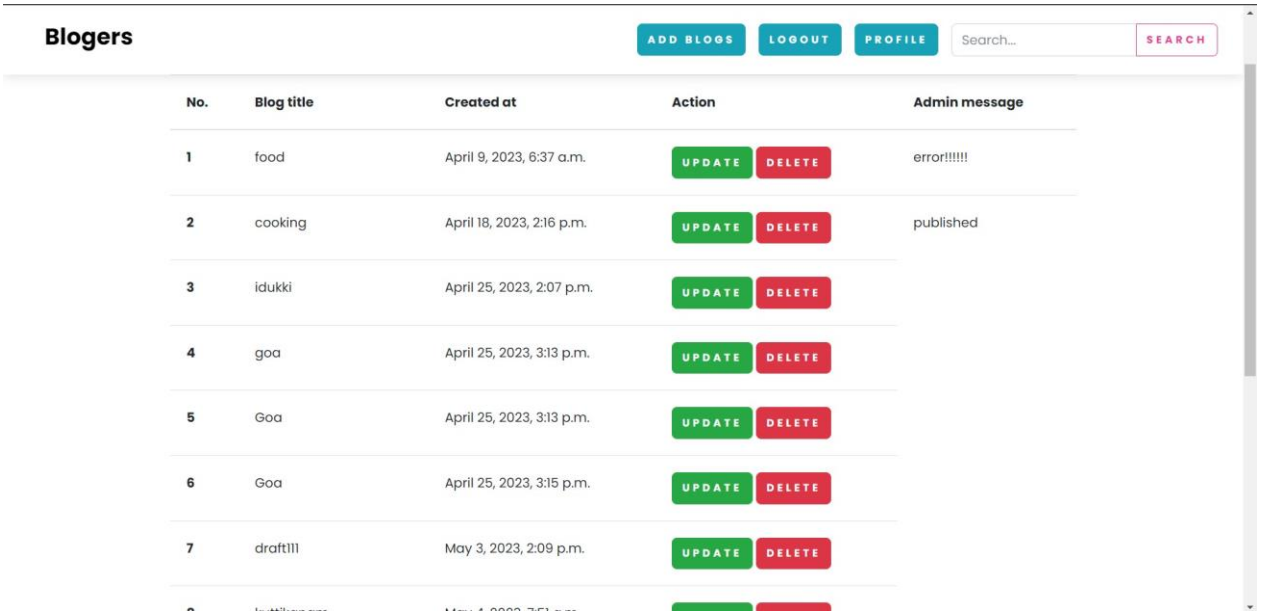
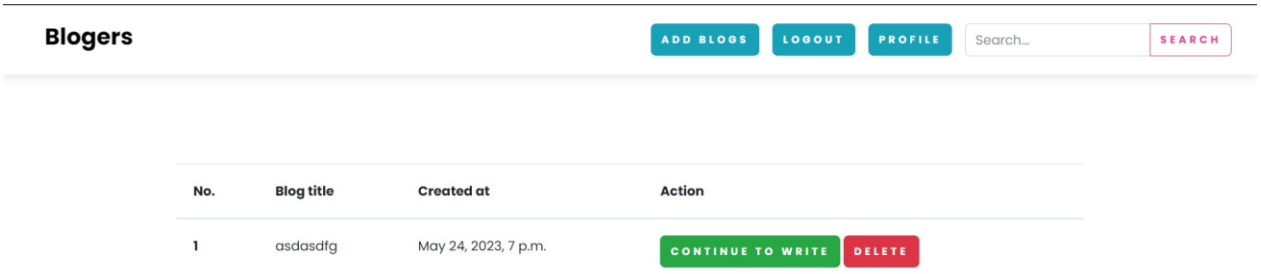


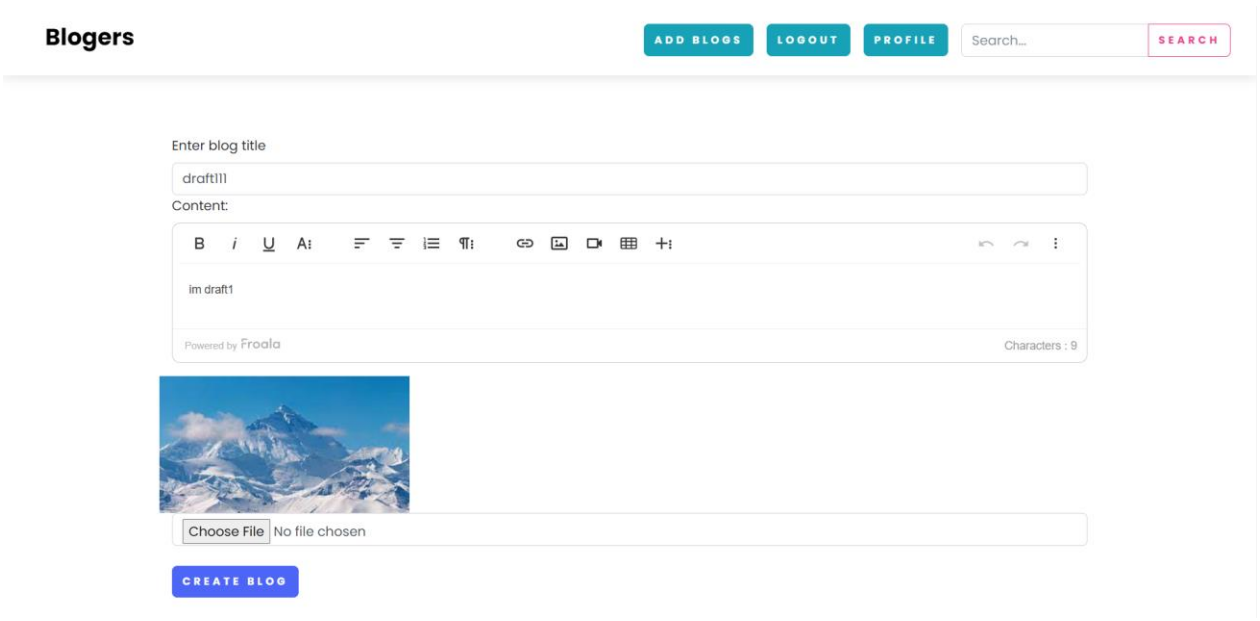
- **VIEW BLOG PAGE**



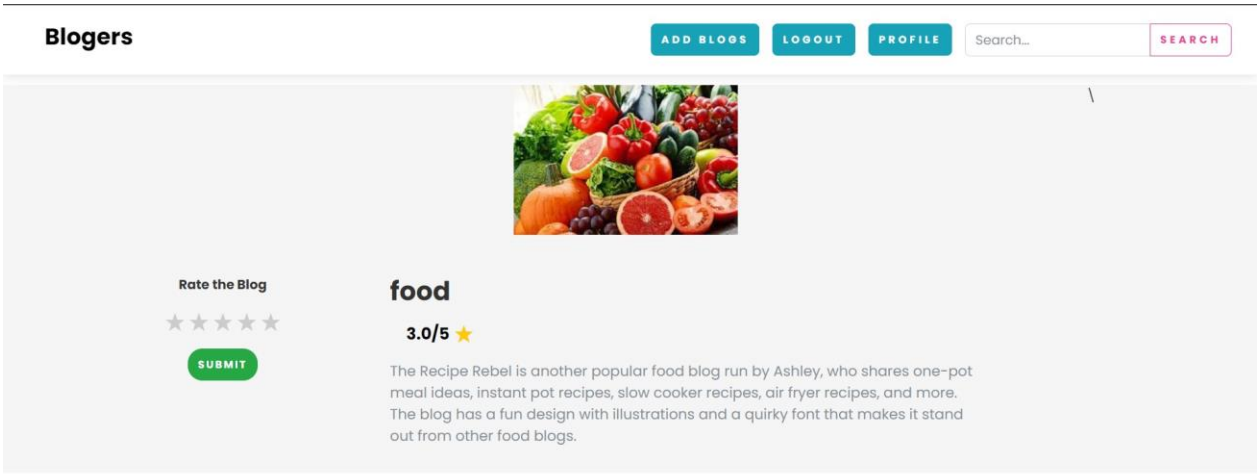
- **DRAFT PAGE**



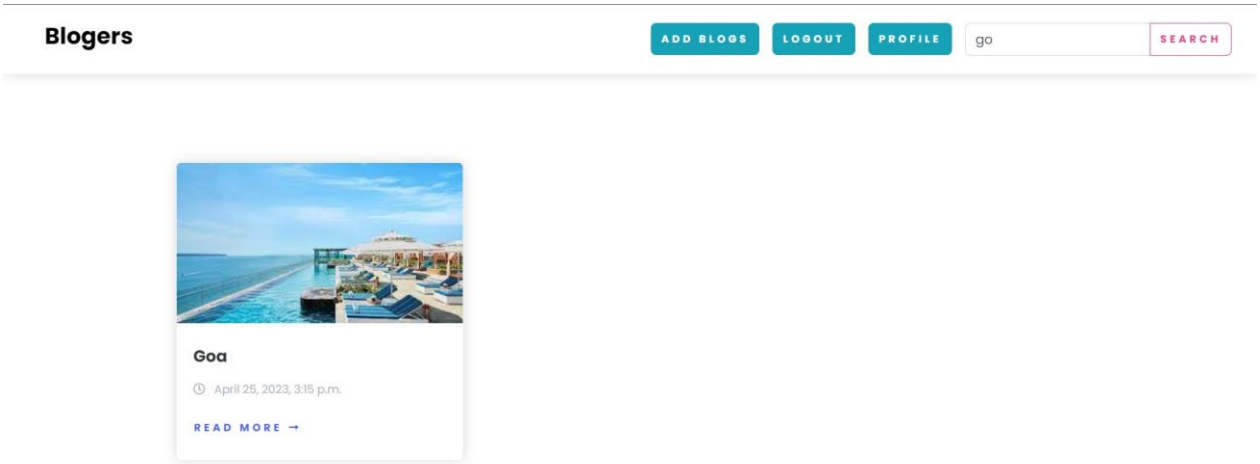
- **DRAFT UPDATE PAGE**



- **BLOG_DETAIL PAGE**



SREACH PAGE



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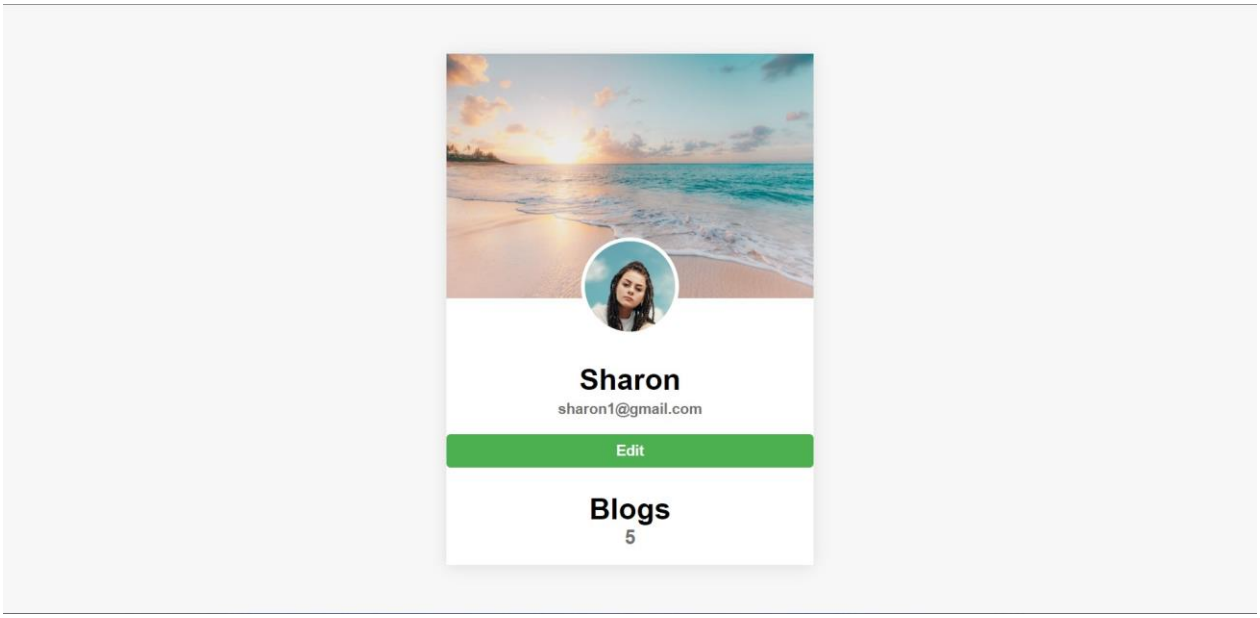

- **EDIT_PROFILE PAGE**