Project Profile: BLOGING APPLICATION

BLOGING APLICATION is a web-based blogging platform that enables users to create, publish, and manage blog content. The platform supports multiple roles (User, Admin), rich-text post creation, media uploads, categories and tags, comments and moderation, search and discovery, and basic analytics. It includes secure authentication and session management, and role-based access control.

Project Architecture

- **Presentation Layer:** React.js, tailwindcss (User Interfaces)
- **Business Logic Layer:** Node.js with Express.js handles the application logic, API routing, authentication, validation, and integration with external services.
- **Data Access Layer:** Mongoose (ODM) for schema-based interaction with MongoDB.
- **Server:** Node.js with Express.js serving REST APIs and optionally using Vercel or Netlify for deployment.

Modules / Features

User Module:

- User Registration and Login
- Browse Blog Posts
- Create and Publish Post
- Liking post and Adding Comments
- Edit User Profile.

Admin Module:

- Update User and User Blogs
- Delete User and User Blogs
- Create and Edit blog Categories
- Access Dashboard Analytics

Database Design Tables:

- **users** (firstName, lastName, email, password, bio, occupation, photourl, role)
- **blogs** (title, subtitle, description, thumbnail, author, category, likes, comments, isPublished)
- **comments** (content, postId, userId, likes, numberOfLikes)

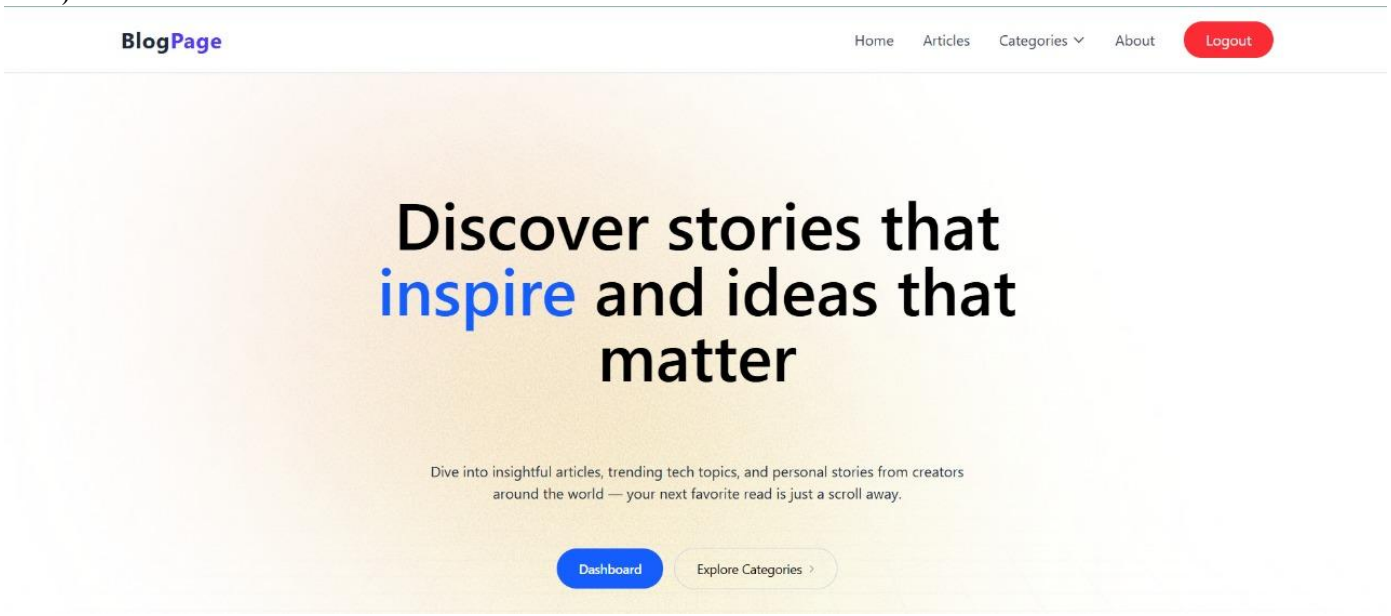
Execution Steps:

1. Clone or Download the Project
2. Make sure you are having node.js installed to run the project
3. Configure MongoDB Database:
    - Create the required collection and fields using provided mongoose models
    - Update database connection settings in the JavaScript code
4. Run express Server (npm start for backend)
5. Run your react application using npm run dev
6. Deploy the Application
7. Access via Browser

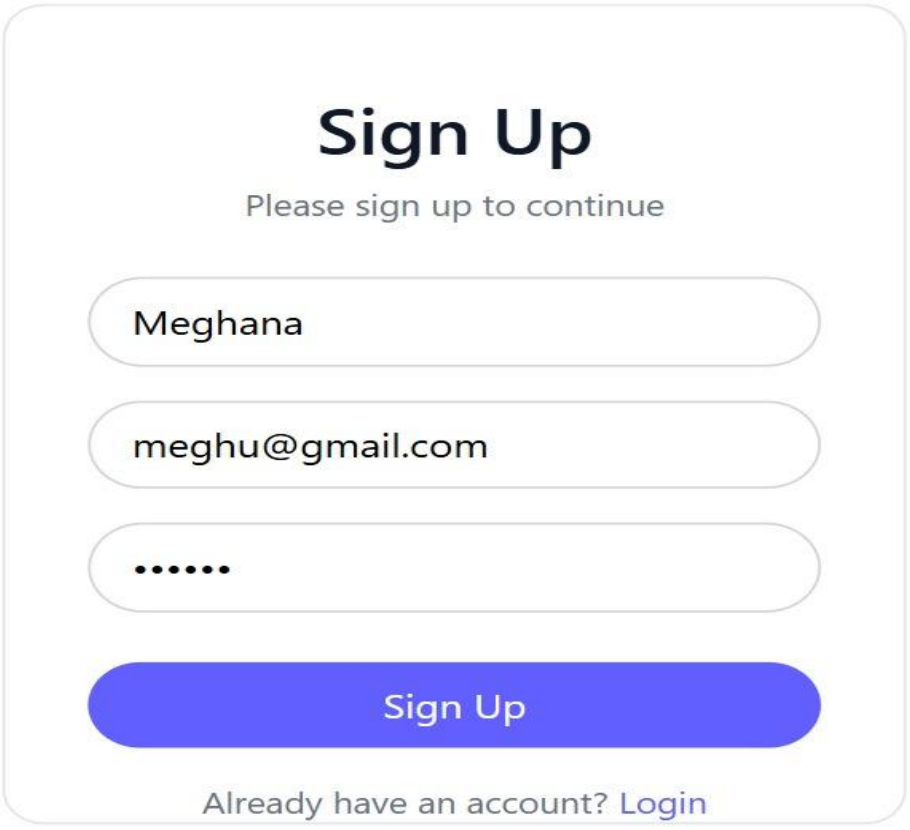
Screenshots

User:

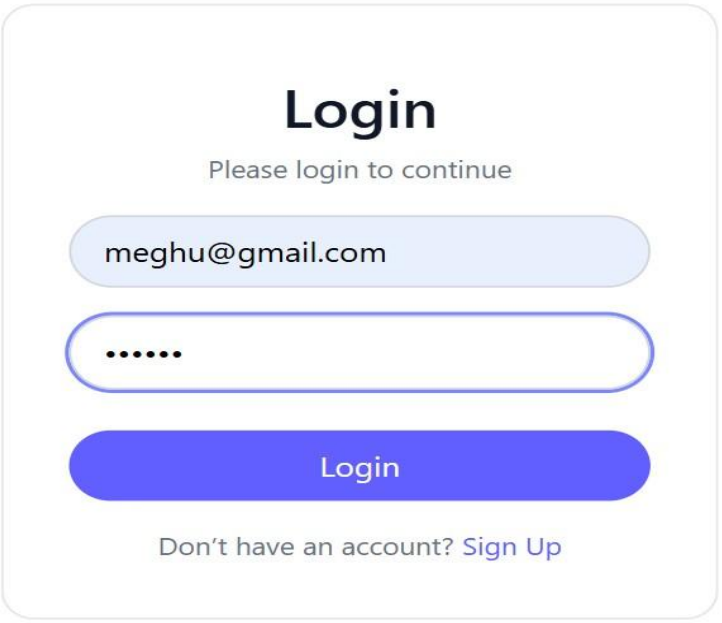
1) Home:



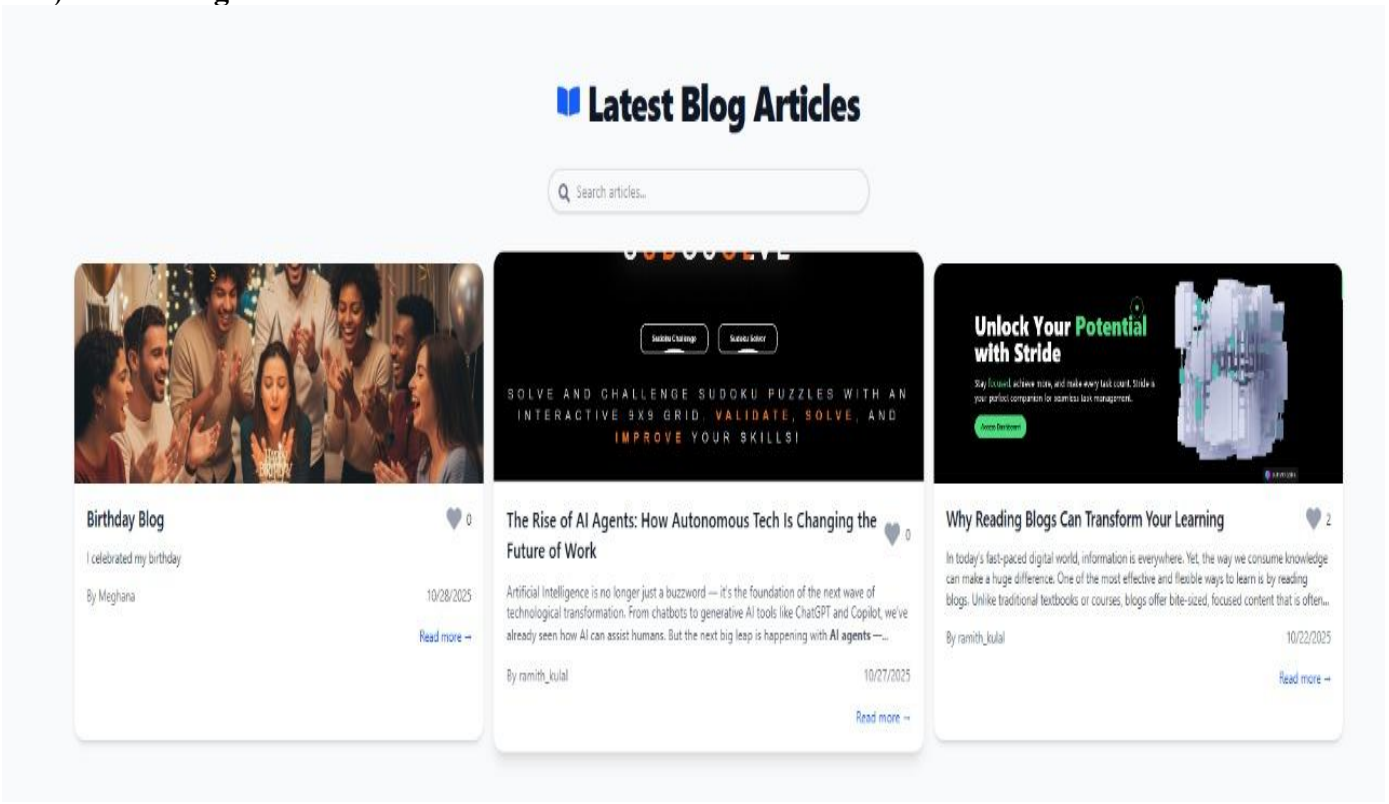
2) SignIn:



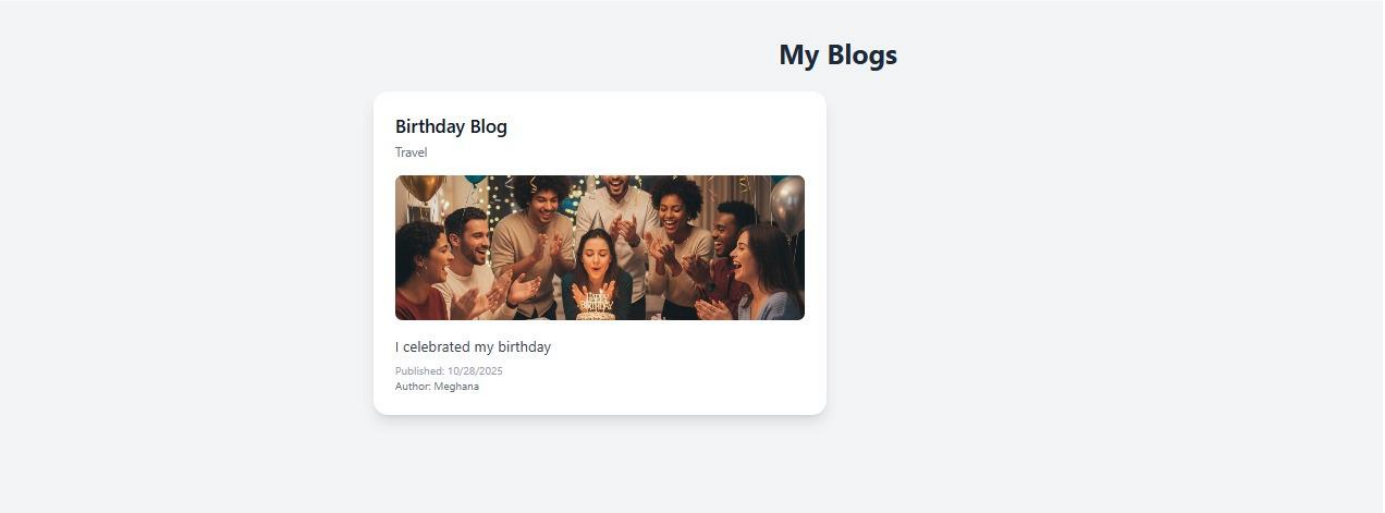
3) Login:



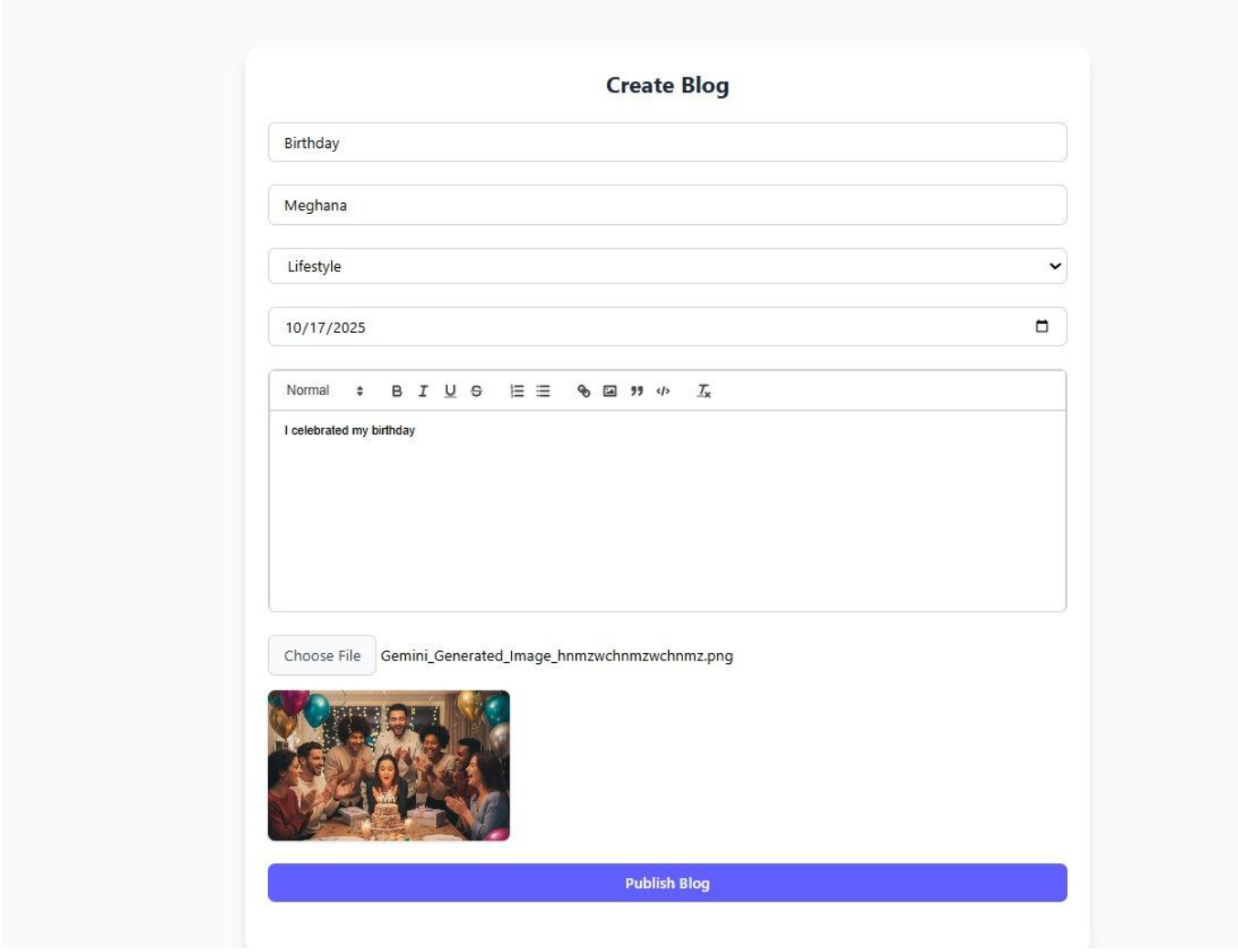
4) Recent Blogs:



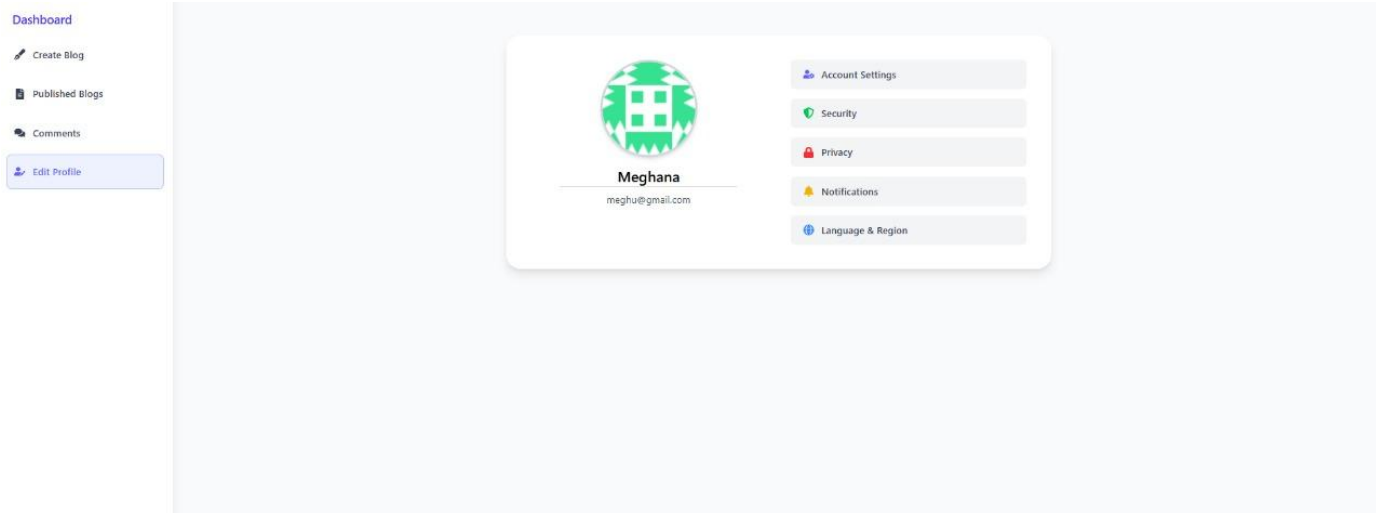
5) Blogs:



6)Create Blog:

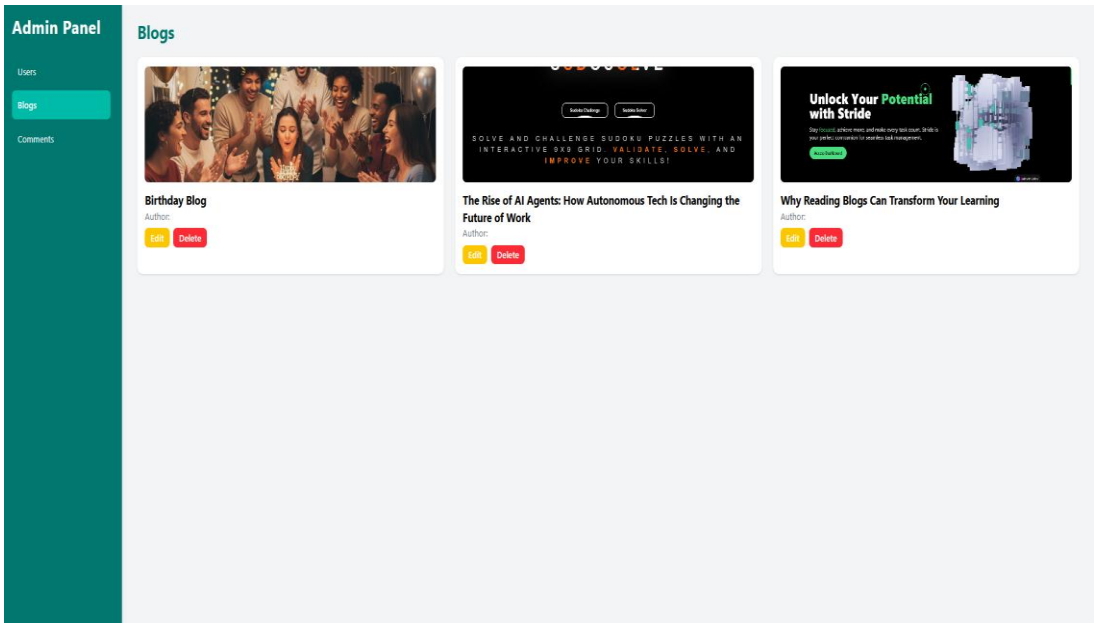


7)Profile:

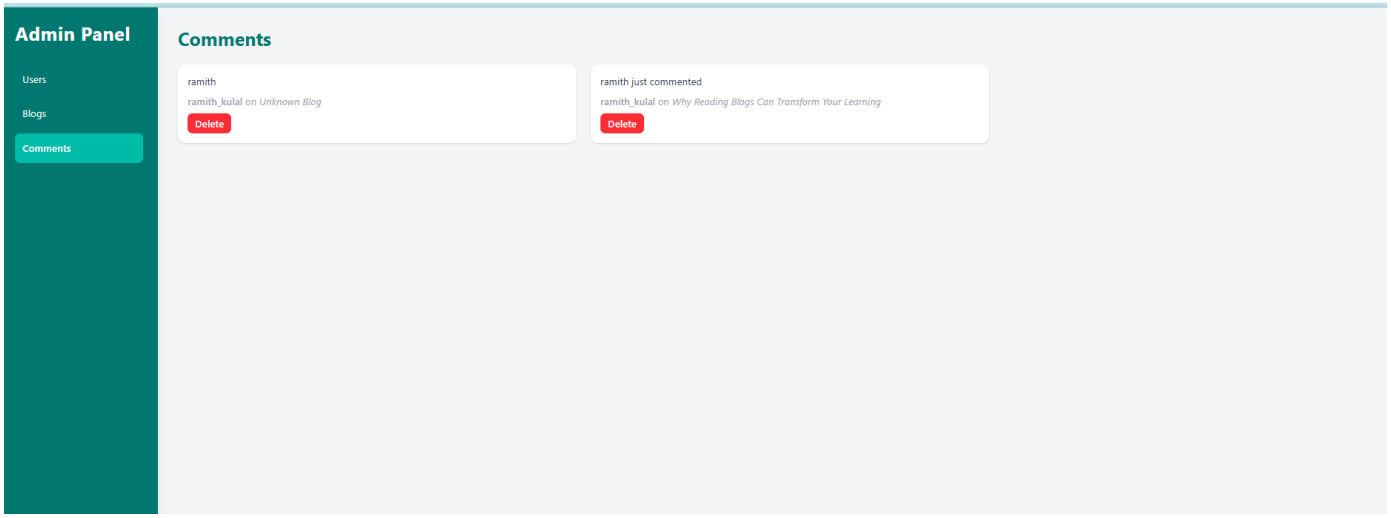
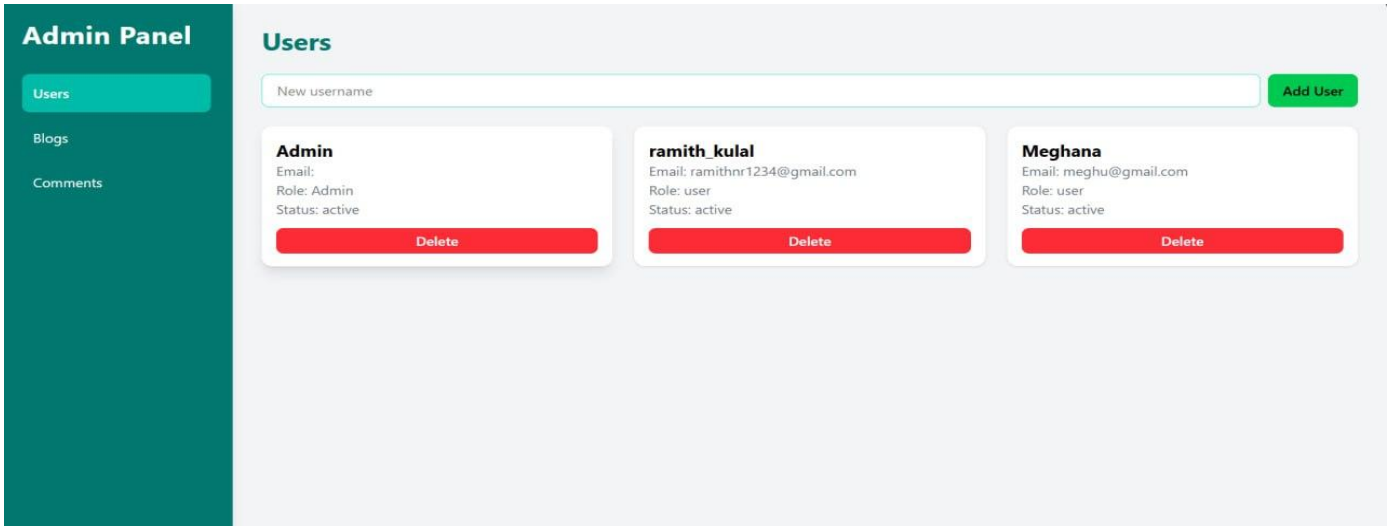

Dashboard
Create Blog
Published Blogs
Comments
Edit Profile
Meghana
meghu@gmail.com
Account Settings
Security
Privacy
Notifications
Language & Region

Admin

1) Users Blog edit page:



2) User Comment edit page



3)Users access