

# MODULE 2

## Blogging Platform

### (FINAL TASK)

- **Project Overview**

- ☐ **Project Name:** Blogging Platform
- ☐ **Objective:** Provide users with a platform to write, share, and read blogs.

#### Key Technologies:

- ☐ **Frontend:** HTML, CSS, JavaScript, ES6
- ☐ **Backend:** Firebase (Authentication, Firestore, cloudinary)

- **Features**

#### User Authentication

- ☐ **Login/Signup:** Implement secure login and signup functionality using Firebase Authentication. Only authenticated users can create, edit, or delete blogs.
- ☐ **Logout:** Provide a logout feature to securely sign users out of their accounts.

- ❑ **Forgot Password:** Enable password recovery via email using Firebase's password reset functionality, ensuring users can regain access to their accounts.
- ❑ **Google Login Integration:** Integrate Google Login for a seamless sign-in experience.

## Blog Management

- ❑ **Add Blog Post::** Fields: (Title, Content, Upload Image, Cover Image ).Rich text editor for content formatting (optional).  
(Cloudinary for image upload. Save recipe data in Firebase Firestore.)
- ❑ **View Blogs:** Display a list of blog posts in a grid or list format.Show title, featured image, short description, and a "Read More" button.Implement pagination or infinite scroll for better UX.
- ❑ **Blog Details Page:** Display full blog post content(Include Title, Author Name, Date, Image, Content etc).Option to "Like" or "Bookmark" the blog.
- ❑ **Edit/Delete Blog Post:** Only the author of a blog can edit or delete it.

- **Edit functionality:** Update blog details and replace the image. (if needed).
- **Delete functionality** Remove blog from Firestore and associated image from Cloudinary.

## Search and Filter

### ☐ Search blogs by:

- Title.
- Author Name.
- Content Keywords.

### ☐ Filter blogs by:

- Category (e.g., Tech, Health, Food, Travel, etc.)
- Most Popular (Based on likes/views)

## Bookmark Blogs

### ☐ Favorite Blogs:

- Users can mark blogs as "Bookmarked."
- Display a "My Bookmarks" section for each user.

## • **Optional Features**

- ☐ **Rating System:** Users can rate blog posts, and the average rating is displayed.

- ❑ **Comments Section:** Allow users to leave comments on blog posts, fostering community interaction.  
**Blog Sharing:** Integrate social media sharing (e.g., Facebook, WhatsApp) to allow users to share blogs directly.
- ❑ **Push Notifications:** Notify users about new recipes, comments on their submissions, or updates to their saved recipes using Firebase Cloud Messaging.
- ❑ **Dark Mode Toggle:** Allow users to switch between light and dark mode for better readability.

**Happy Coding!**

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