# Detailed Scope for Blog Management System with Admin Panel

Here’s a breakdown of the **Frontend** and **Admin Panel** components, with detailed tasks clearly separated and easy to understand.

# Frontend (for Users)

## Homepage:

* + Display a list of **blog posts** with the following details:

## Post Title.

* + - **Brief Summary** (first few lines of the post or an excerpt).
    - **Author** and **Post Date**.
    - **Featured Image** (optional).
  + Provide a **Read More** link to view the full post.
  + Display blog posts in a **grid** or **list format** with pagination or infinite scroll.

## Post Pages:

* + Display the **full blog post** with:
    - **Title**, **Content**, **Author**, **Post Date**.
    - **Featured Image** (if available).
    - **Social Sharing Buttons** (e.g., Facebook, Twitter).
    - **Tags** and **Categories** associated with the post.
  + Show a **comments section** where users can leave feedback.

## Comments Section:

* + Users can leave comments on posts if they are registered/logged in.
  + Option to **like** or **dislike** comments.
  + Option to **reply to comments**.
  + Display **recent comments** and **comment approval status** (if needed).

## Search Functionality:

* + Add a **search bar** at the top to allow users to search for blog posts.
  + Search results will be filtered by **keywords**, **categories**, or **tags**.

## Categories & Tags:

* + Display posts filtered by **categories** (e.g., Technology, Lifestyle, Health).
  + Display posts by **tags** (e.g., Coding, AI, Fitness).

## User Registration & Login:

* + Allow users to **register** and **login** (optional feature).
  + Registered users can manage their **comments**, update their **profile**, and track their

## activity.

1. **User Profile:**
   * After login, users can view and update their **profile** (e.g., name, email, avatar).
   * View the **comment history** of the user.

## Footer:

* + Add footer with **links to the About Page**, **Contact Page**, **Privacy Policy**, **Terms of Service**, and **Social Media Links**.

# Admin Panel (for Administrators)

## Dashboard:

* + Provide an **overview** of:
    - Total number of **posts**.
    - **User activity** (new registrations, comments).

## Recent comments, moderation needs, and recent posts.

* + - Quick links to frequently used sections (e.g., Posts, Users, Comments).

## Post Management:

* + **Create, Edit, Delete Blog Posts**:
    - Admins can create new posts with **title**, **content**, **tags**, and **categories**.
    - Admins can edit or delete any post.

## Post Approval:

* + - If guest authors can post, the admin should approve or reject posts before they are published.

## Scheduling Posts:

* + - Option to **schedule** posts to be published at a future date.

## Post Visibility:

* + - Ability to **make posts private** or **public**.

## Add Tags and Categories:

* + - Admins can create and manage **tags** and **categories** to organize posts.

## User Management:

* + **View and Manage Users**:
    - View all registered users, including details like username, email, role, and activity.
    - **Edit** user details (e.g., change role, block/unblock users).

## Assign Roles:

* + - Admin can assign roles such as **Admin**, **Editor**, **Author** to users.

## Delete Users:

* + - Admin can **delete** or **disable** users if necessary.

## User Permissions:

* + - Restrict or grant access to different sections of the blog (e.g., post approval, comment moderation).

## Comment Management:

* + **View and Manage Comments**:
    - View, approve, delete, or mark comments as **spam**.
    - Filter comments by **approval status**, **user**, or **post**.

## Spam Management:

* + - Flag or mark comments as spam or abusive.

## Comment Notifications:

* + - Option to get email notifications for new comments or flagged comments.

## Comment Approval Settings:

* + - Choose to **automatically approve** or **moderate** comments before they go live.

## Category & Tag Management:

* + **Create, Edit, Delete Categories**:
    - Admin can manage the blog's **categories** (e.g., Tech, Travel).

## Create, Edit, Delete Tags:

* + - Admin can manage **tags** for blog posts (e.g., AI, JavaScript).
  + Assign posts to **multiple categories** and **tags**.

## Analytics & Reports:

* + **View Blog Stats**:
    - View the number of **page views** for posts.
    - Track **user engagement** (likes, comments, shares).

## Post Performance:

* + View reports on the **most popular posts**, **most commented posts**, and

## recently updated content.

1. **Notification System:**
   * Enable **email notifications** for key events:
     + New comments on posts.
     + New user registrations.
     + New blog posts needing approval.

## System Settings:

* + **General Settings**:
    - Set the **site title**, **description**, **logo**, and **favicon**.