

User Stories

1. User Registration and Authentication

- **As a visitor**, I want to sign in using GitHub authentication, so that I can access the app without creating a separate account.

2. Post Creation and Management

- **As a user**, I want to create and publish posts (with text, images, or videos), so that I can share content with others.
- **As a user**, I want to edit or delete my posts, so that I can manage my content.
- **As a user**, I want to view a list of all posts I've created, so that I can track my activity.

3. Viewing and Interacting with Posts

- **As a user**, I want to view a feed of recent posts from other users, so that I can discover new content.
- **As a user**, I want to like or unlike posts, so that I can express my appreciation for content.
- **As a user**, I want to bookmark posts, so that I can save them for future reference.
- **As a user**, I want to see how many likes a post has, so that I can gauge its popularity.

4. Search and Discovery

- **As a user**, I want to search for posts by keywords, so that I can find content that interests me.
- **As a user**, I want to search for other users by their name or username, so that I can explore user profiles.
- **As a user**, I want to explore trending posts, so that I can discover popular content.

5. Security and Privacy

- **As a user**, I want my data (personal information) to be stored securely, so that I can trust the platform with my information.
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Functional Requirements

1. User Registration and Login:

- The system must allow users to authenticate using GitHub (OAuth2).
- No password reset functionality is needed, as there is no email-based login.

2. Post Creation and Management:

- The system must allow users to create posts with text, images, and videos.
- Users must be able to edit or delete their own posts.
- Posts must have an option to be marked as public or private.

3. Feed and Post Interaction:

- The feed should display recent posts from all users, ordered by recency.
- Users can like and bookmark posts.
- Post interaction data (likes, bookmarks) should be tracked and displayed.

4. Search and Discovery:

- Users must be able to search for posts and other users using keywords or usernames.
- The system should allow users to discover trending posts based on popularity metrics.

5. Security and Privacy:

- All communication between the client and server must be encrypted using SSL.