# Planning - Version 1

## Objective:

The goal of Version 1 is to establish a fully functional backend by:

1. Creating an Admin Panel with Login System (initially for one user, scalable for multiple creators)️
2. Integrating an Online Database (Free) to store posts permanently.

## Functional Requirements:

|  |  |
| --- | --- |
| Feature | Description |
| Admin Login System | A secure login page for admins to access the dashboard. |
| Admin Dashboard | A separate panel where admins can add, edit, and delete news posts. |
| Post Storage in Database | Move from LocalStorage to an online database for persistent storage. |
| Post Retrieval from Database | Load posts dynamically from the database instead of LocalStorage. |
| Scalability for Multiple Admins | Although only one admin will be there initially, the system should support multiple creators in the future. |

## Non-Functional Requirements:

1. **Security** – Only authenticated users can access the admin panel.
2. **Performance** – Database should be lightweight and fast for quick data retrieval.
3. **Reliability** – Data should remain stored permanently (unlike LocalStorage).
4. **Free Hosting & Database** – Ensure the backend is deployed on a free cloud service.

## Technology Stack (Free Services Only)

1. Frontend - HTML, CSS, JavaScript (same as before)
2. Backend Authentication - Firebase Authentication (Free)
3. Database - Firebase Firestore (Free tier)
4. Hosting - GitHub Pages (For frontend) + Firebase (For backend)

## Expected Outcome (Version 1)

1. Admins can log in securely.
2. Posts will be stored and retrieved from a cloud database.
3. The app will be future-ready for multiple admins.