

MEAN stack Admin Dashboard Requirements

1. Functional Requirements

1.1 User Authentication

1. Users should be able to register for an account.
2. Users' passwords should be securely stored in database.
3. Users should be able to log in securely.
4. Administrators should be able to manage user roles and permissions.

1.2 User Management

1. Administrators should be able to view a list of users.
2. Administrators should be able to search, filter, and sort users. **Bonus**
3. Administrators should be able to edit user profiles.
4. Administrators should be able to deactivate or delete user accounts.

1.3 Content Management

1. Administrators should be able to create, edit, and delete content.
2. Content should support various formats such as text, images, and videos.
3. Administrators should be able to organize content into categories or tags.

2. Non-Functional Requirements

2.1 Performance

1. The admin dashboard should be responsive and load quickly.
2. Backend APIs should use caching when possible. **Bonus**

2.2 Security

1. User authentication and authorization should be implemented securely.

2.3 Usability

1. The user interface should be intuitive and easy to navigate.
2. Adequate error handling and feedback should be provided.

2.4 Design

1. The dashboard interface should have an aesthetically pleasing and modern design.
2. Use of appropriate color schemes, typography, and visual elements should enhance the user experience.
3. The layout should be clean, organized, and intuitive, ensuring ease of navigation.
4. Responsiveness should be maintained across different devices and screen sizes.

3. Constraints

3.1 Technology Stack

1. The frontend will be developed using Angular framework.
2. The backend will be developed using Node.js.
3. MongoDB will be used as the database.