Social Media Dashboard System Analysis

1. Introduction

This document outlines the system analysis for a Social Media Dashboard, which allows users to monitor statistics, manage posts, and interact with their audience from a single platform.

2. System Analysis

A. Understanding Requirements

The system should provide the following features:

- • Account Management: Users can log in using their social media accounts and link them to the dashboard.
- • Data Analytics: Display statistics such as follower count, engagement rates, and post performance.
- • Content Management: Create, edit, and schedule posts across multiple platforms.
- • Notifications & Alerts: Notify users about new interactions, comments, and messages.
- • Security Settings: Secure login and user permission management.

B. User Analysis

The system targets the following user groups:

1. 1. Social Media Managers: Managing accounts for brands and companies.
2. 2. Influencers: Tracking post performance and audience engagement.
3. 3. Businesses & Entrepreneurs: Monitoring brand performance online.

C. Technical Requirements

- • Frontend: React.js with SCSS for UI design.
- • Backend: Strapi or Node.js with a database like MongoDB or PostgreSQL.
- • API Integration: Connecting to social media APIs (Facebook, Twitter, Instagram) for data retrieval and content publishing.

3. UI Design

- • Central Dashboard: Displays statistics, posts, and interactions visually.
- • Post Scheduling: Easy interface to select the date and time for publishing content.
- • Account Settings: Manage linked accounts and verify permissions.

4. Performance & Security Analysis

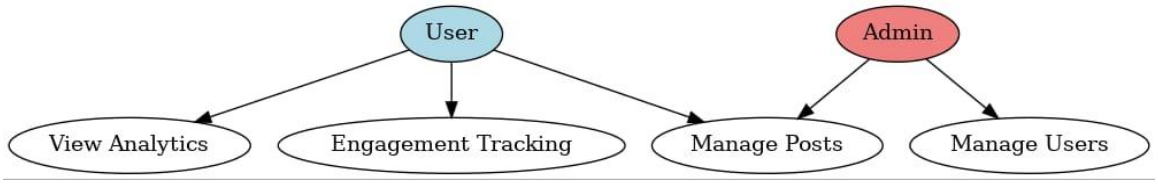
- • Performance: The dashboard should be highly responsive with dynamic data loading.
- • Security: Implement JWT Authentication and data encryption to protect user accounts and personal information.

5. Conclusion

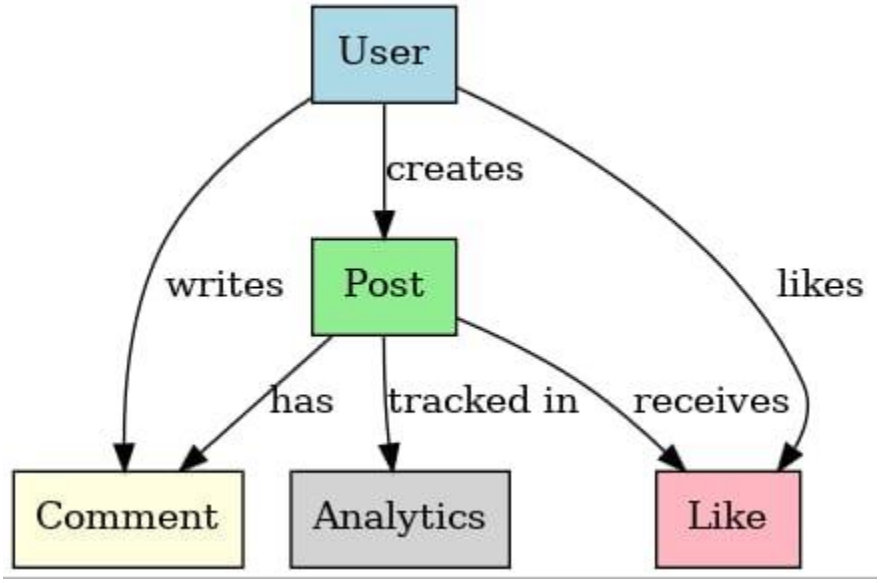
This system analysis helps in building a robust and secure Social Media Dashboard, enabling users to efficiently manage their social media presence.

6. Diagrams

- Use case diagram



- ER Diagram



- Software architecture