

News Portal System

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Abstract: The News Portal Project aims to develop a dynamic and user-friendly online platform designed to deliver the latest news and updates across various categories, such as politics, sports, entertainment, technology, and more. The platform will provide real-time news delivery, enabling users to access articles, videos, and live updates through an intuitive interface. The main objectives of the project are to enhance user engagement by providing personalized news feeds, facilitate easy navigation through categorized content, and implement an advanced search feature to quickly access specific topics.

I. INTRODUCTION

In today's fast-paced world, staying informed about global and local events is crucial. Traditional forms of media, such as newspapers and television, are increasingly being supplemented or replaced by online platforms that deliver news in real time. The News Portal Project aims to create a comprehensive and efficient online news platform that allows users to access up-to-date, relevant news content across various categories such as politics, entertainment, technology, sports, and more.

II. SOFTWARE ANALYSIS

A. Front-End Technologies

- **HTML:** For structuring web pages.
- **CSS:** For designing an intuitive and responsive user interface.
- **JavaScript:** For client-side scripting and dynamic interactivity.

B. Back-End Technologies

- **PHP:** For server-side logic and data handling.

C. Database

- **MySQL:** A relational database used to store and retrieve employee and payroll data.

D. Development Tools

- **Visual Studio Code:** IDE for code development.
- **XAMPP:** For hosting the Apache server and MySQL database locally.

III. EXISTING SYSTEM

The system has been designed after a detailed study of various algorithms for the same. The first step of face recognition, i.e., face detection uses algorithms like colour segmentation, template matching and algorithms like Eigen & Fisher face for face recognition which is the second step.

IV. PROPOSED SYSTEM

- **Real-Time Updates:** Instant news delivery and live updates.
- **Personalized Experience:** Customized news recommendations for users.
- **Error-Free Content:** Accurate article publishing and multimedia integration.
- **Secure Access:** Encrypted data and role-based user authentication.
- **Responsive Design:** Seamless access on any device

V. MODULES

A. User Registration & Authentication

- User profile management (personal information, preferences).
- Multi-factor authentication (MFA) for enhanced security.

B. News Article Management

- Admins can add, update, and delete news articles.
- Categorization of news (e.g., politics, sports, entertainment).

C. Comment and Interaction Module

Users can comment on articles, express opinions, and engage in discussions.

D. Search & Personalization

- Robust search functionality for articles, categories, and keywords.
- Personalized news feeds based on user preferences and history.

VI. ARCHITECTURE DIAGRAM

Post tweet use case diagram

Project: Twitter

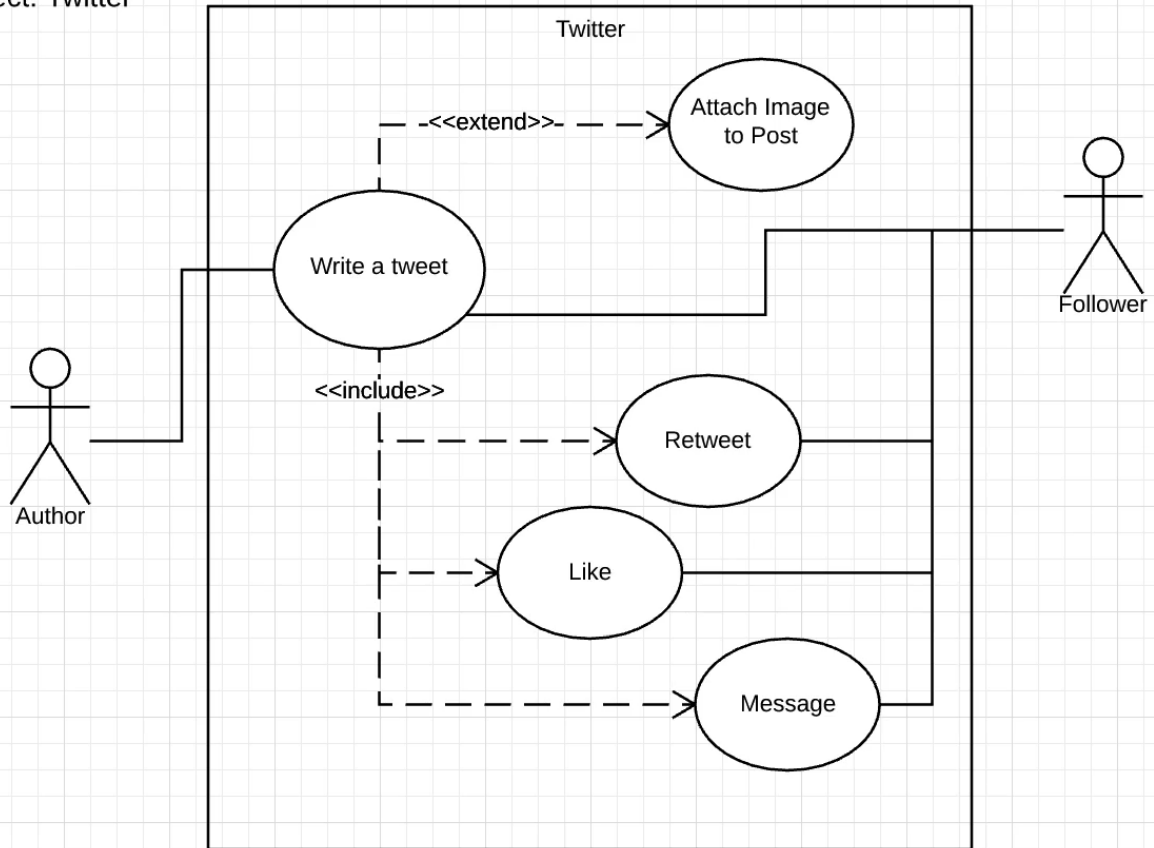


Fig.1. Use Case Diagram

VII. RESULT

The **News Portal** was successfully implemented using HTML, CSS, JavaScript, PHP, and MySQL. The system demonstrated:

1. **Real-time news updates** with seamless integration of articles from various sources.
2. **User-friendly and responsive design**, ensuring a smooth browsing experience across devices.
3. **Secure user authentication** and data protection, ensuring safe user interactions and content management.

VIII. CONCLUSION

The News Portal Project provides a comprehensive solution for delivering real-time, dynamic news content to users across various platforms. By integrating features such as user registration, content management, personalized news feeds, and secure access, the system offers a seamless and engaging experience for both users and administrators. With real-time updates, multimedia integration, and responsive design, the portal ensures that users can stay informed anytime and anywhere.

References

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