**News Portal Application Use Case Diagram**

**About the Project**

More and more, computers are creeping into every aspects of school life. We are living in a fast paced world where everything is done instantly. News writers and bloggers are using computers to ease the time burden associated with the publication of their articles and news. Good software and meaningful applications provide substantial benefits for writers and bloggers as well: vastly improved communication, greater accountability, and greater objectivity in evaluation.

A news portal application is a type of software application that allows users to access and view news articles and other types of content from a variety of sources. The application may provide users with the ability to browse through different categories of news, such as national news, international news, sports, entertainment, and so on.

The news portal application may also allow users to customize their news feed by selecting specific topics or sources that they are interested in. In addition, the application may provide users with the ability to save or bookmark articles for later reading, as well as share articles with others through social media or other platforms.

**What is Use Case Diagram?**

A use case diagram is a type of diagram used in the field of software engineering to describe the behavior of a system from the perspective of the stakeholders or actors who interact with it. In a capstone project, a use case diagram can be used to represent the various ways in which the system being developed will be used by different actors.

Use case diagrams can be helpful in a capstone project for several reasons:

1. They provide a high-level view of the system and its functionality, allowing stakeholders to understand how the system will be used and what it will do.
2. They can be used to identify and organize the various scenarios or cases in which the system will be used. This can help the development team focus on the most important features and functionality of the system.
3. They can help the development team identify and document the relationships between different actors and the system, as well as the interactions between the actors and the system.
4. They can be used to validate the system's requirements and ensure that the system being developed will meet the needs of the stakeholders.



Author

Dashboard

News Category

News Information

Author Info

Subscriber Info

Admin





Comments

User Management

Visitor Analytics

Subscriber

Database Backup

The admin can access the entire core modules of the system. The author can access the News information, Author Info and Visitor analytics modules while the Subscriber can access the News Information module of the system.

**Use Cases**

The following are the discussions that describe how a user uses a system to accomplish a particular goal.

**Use Case:** Dashboard

**Actor(s):** Admin

**Description:**

This feature is used to manage the details displayed in the dashboard.

**Successful Completion:**

1. The admin can search, add, update and remove dashboard details.

**Alternative:** The admin can access all dashboard details

**Precondition:** The admin will login to access and manage the dashboard

**Post Condition:** updated dashboard details

**Use Case:** News Category

**Actor(s):** Admin

**Description:**

This feature is used to manage the News Category in the system.

**Successful Completion:**

1. The admin can search, add, update and remove news category information.

**Alternative:** The admin can access all news category information

**Precondition:** The admin will login first to access this feature.

**Post Condition:** updated news category information

**Use Case:** News Information

**Actor(s):** Admin, Author, Subscriber

**Description:**

This feature is used to manage news information posted in the portal.

**Successful Completion:**

1. Subscribers can view and browse news information.
2. Author can write and add news information.
3. Admin can add, edit, update or remove News Information.

**Alternative:** None

**Precondition:**

1. Subscriber will need to login first in order to access the feature.
2. Admin will need to login also to manage the News Information.
3. Authors will also need to login to write and add news information.

**Post Condition:** updated news information

**Use Case:** Author Info

**Actor(s):** Admin and Author

**Description:**

This feature is used to manage the profiles of the authors in the system.

**Successful Completion:**

1. Authors can view and edit their personal profiles.
2. Admin can search, add, update and remove an author’s data.

**Alternative:** Authors can only view their personal profile; Admin can access all of the authors information.

**Precondition:** New author for registration, existing author for updating

**Post Condition:** accepted author registration and updated author profile

**Use Case:** Subscriber Info

**Actor(s):** Admin

**Description:**

This feature is used to manage the profile of the subscribers registered in the system.

**Successful Completion:**

1. The admin can search, add, update and remove subscriber information.

**Alternative:** The admin can access all subscriber information

**Precondition:** New subscriber for registration, existing subscriber for updating

**Post Condition:** updated subscriber information

**Use Case:** Comments

**Actor(s):** Admin

**Description:**

This feature is used to manage the comments for the news information posted in the system.

**Successful Completion:**

1. The admin can search, add, update and remove subscriber’s comment.

**Alternative:** The admin can access all subscriber’s comments

**Precondition:** The admin will login first to access the module

**Post Condition:** posted comments

**Use Case:** User Management

**Actor(s):** Admin

**Description:**

This feature is used to manage the users of the system.

**Successful Completion:**

1. The admin can search, add, update and remove system user information.

**Alternative:** The admin can access all users information

**Precondition:** New users for registration, existing users for updating

**Post Condition:** updated system user information

**Use Case:** Visitor Analytics

**Actor(s):** Admin and Author

**Description:**

This feature is used to manage the visitor analytics of the system.

**Successful Completion:**

1. Authors can view the visitors of the news information they posted in the portal.
2. Admin can manage the details of the visitor analytics.

**Alternative:** Authors can only view their post’s visitor analytics; Admin can access all of the post’s visitor analytics.

**Precondition:** The admin will login first to access the module.

**Post Condition:** displayed visitor analytics

**Use Case:** Database Backup

**Actor(s):** Admin

**Description:**

This feature is used to manage the backup database of the system.

**Successful Completion:**

1. The admin can add, edit, update database backup information.

**Alternative:** None

**Precondition:** Admin will create and connect the backup database.

**Post Condition:** new backup database.

**Summary**

News writers and bloggers are using computers to ease the time burden associated with the publication of their articles and news. The focus of this article is the development of the system’s use case diagram. The admin can access the entire core modules of the system. The author can access the News information, Author Info and Visitor analytics modules while the Subscriber can access the News Information module of the system.