**Template: Create a Use Case Diagram**

Use this template to enter your solution. You may modify the template to include more information.

**Solution**

**Task 1: Identify the actors**

Understanding the role of each actor within the system and document it. *Refer to the instructions for task 1 in the lab instructions.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Actor** | **Primary/Secondary** | **Role** | **Interactions** |
|  |  |  |  |

**Task 2: Define the use case**

List the key use cases for each actor. *Refer to the instructions for task 2 in the lab instructions.*

|  |  |
| --- | --- |
| **Use case** | **Description** |
|  |  |

**Task 3: Create a use case diagram**

Use a diagramming tool **(e.g. Lucidchart)** to create a use case diagram. *Refer to the instructions for task 3 in the lab instructions.*

**Task 4: Define relationships between actors and use cases**

Identify how each actor interacts with the various use cases. *Refer to the instructions for task 4 in the lab instructions.*

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| --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Actor** |  |  | | --- | |  | | |  | | --- | | **Use case** |  |  | | --- | |  | | **Relationship** |
|  |  |  |
|  |  |

**Task 5: Answer the following questions for reflection (Optional)**

1. What challenges did you face when identifying actors and use cases?

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| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Challenges** |   **in identifying actors**   |  | | --- | |  | | | **Description** | | --- |  |  | | --- | |  | |
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| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Challenges** |  |  | | --- | | **in defining use cases** | | | **Description** | | --- |  |  | | --- | |  | |
|  |  |

1. How does your diagram facilitate understanding of the program's functionality?

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| --- | --- | --- | --- |
| **Benefits** | | **Description** | | --- |  |  | | --- | |  | |
|  |  |

1. In what ways can the prime-time news channel improve viewer engagement based on your findings?

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| --- | --- | --- | --- |
| |  | | --- | | **Strategies** |  |  | | --- | |  | | **Description** |
|  |  |