

## **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.*

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?

<b>Challenges in identifying actors</b>	<b>Description</b>

<b>Challenges in defining use cases</b>	<b>Description</b>

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

<b>Benefits</b>	<b>Description</b>

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

<b>Strategies</b>	<b>Description</b>