# CS7CS3 Advanced Software Engineering Group Project

# Requirements/Use Cases

# Project Name: *Please enter here*

**Group: *<Group Number>***

***<List of Group Members>***

# 1. Use Case Diagram

Please include a UML Use Case Diagram (see slides on Blackboard) for the project.

*Diagram here.*

*<From <single use case description start> to <single use case description end> contains the structure of the information that should be here for* ***each*** *use case. Copy and fill all sections for* ***EACH******USE CASE****>*

*<single use case description start>*

### Use Case Name: View warning notifications of extreme weather conditions.

1. Description

*Describe the goals and responsibilities of the Use Case*

*Goals:*

Display MET Eireann weather warning notifications in case of extreme weather conditions.

*Responsibilities:*

This use case is responsible for notifying the users of extreme weather conditions to allow them to make informed decisions in the affected areas.

Actors

*List the actors that are involved, and their roles in the Use Case*

1. City Managers – When selecting the ‘Events/Incidents’ view of the site, City Managers will cause the weather warnings notifications sections to be displayed.

Triggers and Inputs

*List and describe the triggers that start this use case executing, and the subsequent inputs*

Triggers:

1. User logs in to the application.
2. User selects the ‘Events/Incidents’ dashboard view to view the weather warnings.

Inputs:

2. Flow of Events

*Using a bulleted list, describe the sequence of steps that should occur (basic flow all going well) in order to complete the use case, and what should happen if there are any conditions that mean the basic flow will not happen as described.*

*NOTE FILLED IN PURELY AS AN EXAMPLE:*

| Basic Flow | | | |
| --- | --- | --- | --- |
| User | | System | |
| 1 | User selects the ‘Events/Incidents’ dashboard view in the application. |  |  |
|  |  | 2 | The system retrieves the data from the MET Eireann weather warnings source. |
|  |  | 3 | If there are any extreme weather conditions happening in the near future, they will be displayed to the user. |

3. Special Requirements

*Here is where you indicate if the use case has any special requirements or expectations as to the existence of other systems*

1. This data requires the existence and availability of MET Eireann weather warnings data source.
2. It requires the existence of a weather warning happening in the near future.

4. Preconditions

*Describe what must be have occurred previously for this use case to execute*

The user must have logged in to the system and have sufficient privileges to view the weather warnings notification section.

Weather warning data must have been pushed to the local data buffer.

5. Postconditions

*Describe the state of the system, or what should be seen to have been achieved, when this use case has completed its processing.*

Once this use case has been completed, the warning notification of extreme weather conditions would have been displayed based on MET Eireann warning data.

*<single use case description end>*