

USE CASE 1	View Weather Readings	
Goal in Context	Display current weather reading from sensors	
Scope & Level	Display console system, Summary	
Preconditions	Display console is running. Weather sensors are on.	
Success End Condition	As information comes in from the sensors, an updated view is shown. End user views current weather measurements from sensors. This includes rainfall, temperature, humidity, wind speed, and wind direction.	
Failed End Condition	View fails to update.	
Trigger	End user starts up application. Display console is running.	
DESCRIPTION	Step	Action
	1	End user starts up application
	2	Display console system gathers current weather reading from sensors
	3	View displays current weather measurement from sensors
	4	View updates itself as display console system gathers new weather readings from sensor every second

USE CASE 2	Check Sensor Status	
Goal in Context	Checks status of weather sensor	
Scope & Level	Display console system, Summary	
Preconditions	Display console is running. Weather sensors are installed.	
Success End Condition	Sensor status information, such as the battery level or hardware failures, is displayed on the end user's console	
Failed End Condition	An error message is displayed on the end user's console.	
Trigger	User command issued by the end user requesting status of weather sensor	
DESCRIPTION	Step	Action
	1	End user requests the status of a weather sensor
	2	Display console system checks most recent data sent by the weather sensor.
	3	Display console system extracts status information of the weather sensor.
	4	View displays sensor status information.

USE CASE 3	View Weather Forecast	
Goal in Context	Display a weather forecast prediction	
Scope & Level	Display console system and Weather tower system, Summary	
Preconditions	Display console is running. Weather tower is operational.	
Success End Condition	<p>As weather predictions arrive from the weather tower, an updated view is shown.</p> <p>An icon depicting the weather to be expected will be displayed on the end user's console.</p>	
Failed End Condition	View fails to update.	
Trigger	End user starts up application. Display console is running. Weather tower is running.	
DESCRIPTION	Step	Action
	1	End user starts up application
	2	Weather tower generates forecast prediction
	3	Weather tower sends forecast prediction to display console
	4	View updates itself as display console system receives new forecasts from the weather tower.

USE CASE 4	Turn on sensor	
Goal in Context	Turn on weather sensor from the console	
Scope & Level	Display Console System and Weather Sensor System, Summary	
Preconditions	We have a display console and a sensor capable of taking information. Display console is running. Weather sensor is off.	
Success End Condition	Weather sensor is turned on and displays weather and forecast.	
Failed End Condition	Weather sensor fails to turn on and display console does not show weather and forecast information.	
Trigger	User command issued by the end user to turn off sensor	
DESCRIPTION	Step	Action
	1	End user requests a sensor to turn on
	2	Display system saves state as on
	3	Display console system starts receiving information again from weather sensor
	4	Display console system displays latest weather information and forecast.

USE CASE 5	Turn off sensor	
Goal in Context	Turn off weather sensor from the console	
Scope & Level	Display Console System and Weather Sensor System, Summary	
Preconditions	Display console is running. Weather sensor is on.	
Success End Condition	Sensor is turned off and display console no longer displays weather information and forecast	
Failed End Condition	Sensor is turned on and display console continues to display weather information and forecast	
Trigger	User command issued by the end user to turn off sensor	
DESCRIPTION	Step	Action
	1	End user requests a sensor to turn off
	2	Display system saves state as off
	3	Display console system stops displaying information from the weather sensor