

Use Case U1: Request Current Weather Data**Scope:** Weather Station**Level:** User Goal**Primary Actor:** User**Scenario:** Request Temperature Data**Related Use Cases:** N/A**Stakeholders and Interests:**

- User: Wants accurate and current temperature data

Preconditions: The Weather Station is running. The Thermo- Sensor is available for measurement.**Success Guaranties: (Postconditions)** Temperature Data is returned to the requesting user.**Main Success Scenario:**

User	System
1. Request Current Temperature Data in desired Units (Metric, English, Absolute).	
	2. Querries the Thermo-Sensor for the temperature.
	3. Converts temperature to the requested units.
	4. Presents the Temperature data in the requested units.

Alternative Flows:

*a. If at any time, the System cannot measure the Temperature, then the System informs the User the temperature can not be measured.

Technology and Variations List:

2a. Thermo-Sensor identifier known and stored by the System.

Frequency of Occurrence: Could be nearly continuous.**Open Issues:**

- What if the Thermo-Sensor is broken? Does the System continue to collect other data?