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

- User: Wants accurate and current humidity data

Preconditions: The Weather Station is running.
Success Guaranties: (Postconditions) Humidity Data is returned to the requesting user.

Main Success Scenario:

User	System
1. Request Current Humidity Data.	
	2. Retrieves the Humidity.
	3. Calculates the Humidity as needed.
	4. Presents the Humidity to the User.

Alternative Flows:
*a. If at any time, the System cannot measure the humidity, then the System informs the User the humidity can not be measured.

Technology and Variations List:
3a. The System may need to calculate the Humidity based on temperature and measured input and output device voltage.

Frequency of Occurrence: Could be nearly continuous.

Open Issues:

- What if the humidity cannot be read? Does the System continue to collect other data?