

### Use Case U1: View the Latest Measured Weather Data

**Scope:** Weather Station

**Level:** User Goal

**Primary Actor:** User

**Scenario:** View Heat Index Data

**Related Use Cases:** U2: *The User shall have the ability to select different types of Views in viewing the Measured Weather Data*

U4: *The User shall have the ability to choose the Units to view the Current Weather Data*

**Stakeholders & Interests:**

- User: Who wants to view the Heat Index Data

**Preconditions:** The Thermometer is online and measuring.

The Hygrometer is online and Measuring.

**Success Gurantees:** The User views the current Heat Index Data.

#### Main Success Scenario:

User	System
1. Request to view the Heat Index Data	
	2. Displays the Heat Index Data in the currently requested units
	3. Displays the Time (Day, Date, Time, Time Zone) of the Heat Index Calculation

#### Extensions:

1a. If the view of the System is already displaying the Heat Index data, then the System will take no action.

1b. If the System is not running, then User will start the System first to view the Heat Index Data.

2a,3a. If the Temperatur Sensor is not working, then the System alerts the User of the Issue.

2b,3b. If the Hygrometer is not working, then the System alerts the User of the Issue.

**Frequecy Of Occurence:** Depends upon the Measurement Frequency set in the System.

#### Open Issues:

- What is displayed when the Temperature is below 70°F? The Heat Index calculation is not accurate below 70°F.