A Weather Monitoring Application Temperature sensor device WeatherData object Weather Station Display device Weather-O-Rama provides What we implement Create an app that uses the WeatherData object to update three different displays: "current conditions" "weather stats" "forecast" WeatherData getTemperature() aetHumidity() * Call this method getPressure() measurementsChanged() * whenever measurements are * Updated public void measurementsChanged() { // your code goes here Update three different displays Problem Specification • The WeatherData class has getters and setters for temperature, humidity, and pressure • The measurementsChanged() method is called anytime new weather data is available • We don't know or care how. · We need to implement three different display elements that use the weather data • The system must be expandable, in case others want to add other display elements later Publish / Subscribe Just like newspapers and magazines · You subscribe and receive any new additions · You unsubscribe and stop receiving anything ONE TO MANY RELATIONSHIP Subject Duck Object the Subject to receive updates when the Subjects data changes. This object isn't an observer, so it doesn't get notified when the Subject's data changes





