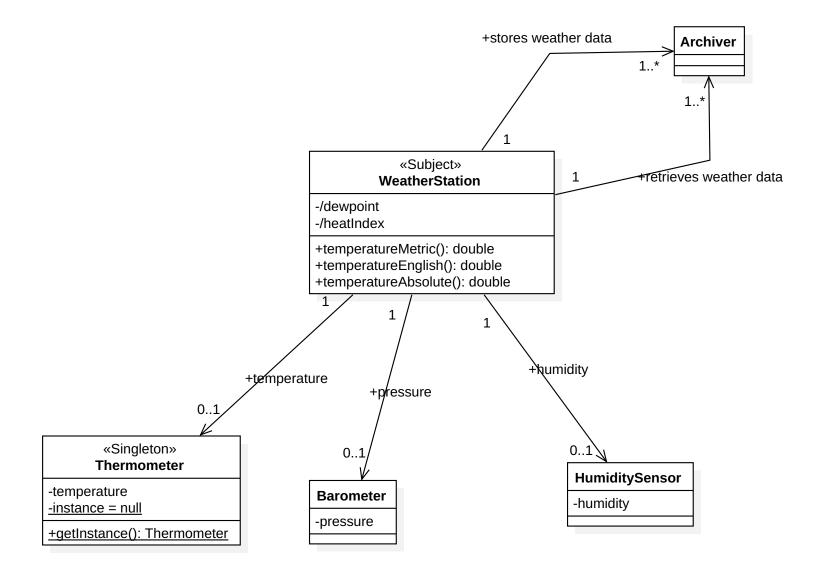
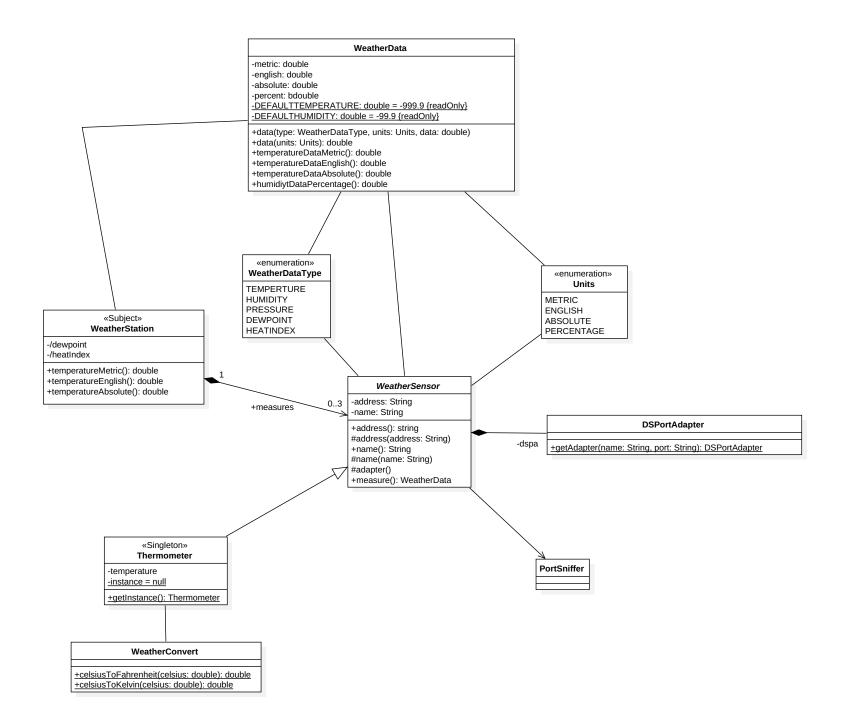


 $\underline{Model::WeatherStation::UseCase1::UseCase1::UseCase1S4SystemSequenceDiagram}$ interaction UseCase1S4SystemSequenceDiagram system: System user: User 15 : dewpoint = measureDewpoint(units:Units) 2 : temp = temperature 19 : humidity = getHumidity 4 : dewpoint = calculateDewpoint(temp, humidity, units) 5 : dewpoint = convert(dewpoint, units) 31 : dewpoint 26 : Cannot Measure Temperature «exception» 8 : Cannot Measure Humidity «exception»





Model::Collaboration1::Interaction1::UseCase1S1SequenceDiagramMetric interaction UseCase1S1SequenceDiagramMetric weatherStation: WeatherStation thermometer: Thermometer tempContainer: TemperatureContainer convert: WeatherConvert user: User observers: TemperatureHumidityDataObserver 1 : temperatureMetric() 2 : getInstance() 3: measure() this can be done with temperatureEnglish() and temperatureAbsolute() 4 : getTemperature() 5 : celsiusToFahrenheit(celsius: double) 6 : celsiusToKelvin(celsius: double) could be English temperature or absolute «create» temperature weatherData: WeatherData 8 : publishTemperatureData(weatherData: WeatherData) 9 : temperatureDataMetric() 10 \*[observers] : updateTemperatureMetric(temperature: double) 11 : One Wire Exception 12 : One Wire IO Exception 13: Null Pointer Exception 14 \*[observers]: updateTemperatureMetric(WeatherData:DEFAULTTEMPERATURE)

