UML class

Erich Donald Snell | September 29, 2022

<<interface>>
IBarometer

<<class>>
KelvinTempAdaptor

Barometer

+ MIN:double = 27.0
+ MAX:double = 32.0
+ DEFAULT:double = 29.92
+ currentPressure:double
+ increasing:boolean = true
+ rand:Random = new Random()

+ pressure():double

KelvinTempSensor

- MINREADING:int = 23315
- MAXREADING:int = 38315
- DEFAULT:int = 29315
- currentReading:int
-increasing:boolean = true
- rand:Random = new Random()

+ reading():int

<<interface>>
Observer

<<interface>>
ITempSensor

- DEFAULT:int = 29315

Observable

JFrame

WeatherStation

+ getCelsius():int
+ getFahrenheit():int
+ getPressureInches():int
+ getPressureMillibars():int
+ getKelvin():int

SwingUI

- celsiusField:JLabel
- kelvinField:JLabel
- fahrenheitField:JLabel
- inchesField:JLabel
- millibarsField:JLabel
-

+ setKelvinJLabel(temperature): double
+ setCelsiusJLabel(temperature): double
+ setFahrenheitJLabel(temperature): double
+ setInchesJLabel(pressure): double
+ setMillibarsJLabel(pressure): double
- createLabel(title, panel): JLabel
+ update(obs, ignore)

<<interface>>
Runnable

run()

Thread