DATAGENERATOR's Class Diagram

Sickness (E)
- ARITMIA
- FLUTTER
- IPERTENSIONE
- IPERTERMIA
- IPOTENSIONE
- IPOTERMIA
- TACHICARDIA

Value (E)
- BP
- HEART_RATE
- TEMPERATURE

DataGenerator

DataThread (C)
- numTask : int
- run : boolean
- store : Store<StringCommand>
- taskJob : Value[]
- tasks : ArrayList<TimerTask>
- timers : ArrayList<Timer>
- times : Long[]

- DataThread()
- interrupt()
- restart()
- start()

GeneratorInterface (I)
- *evolve()*
- *getValue()*
- *reset()*

DataThread.DataTask (C)
- DataTask()
- run()

HeartRateGenerator (C)
- canGenerateAlarm : boolean
- mean : double
- random : Random
- variance : double

- HeartRateGenerator()
- evolve()
- getValue()
- reset()

TemperatureGenerator (C)
- canGenerateAlarm : boolean
- mean : double
- random : Random
- variance : double

- TemperatureGenerator()
- evolve()
- getValue()
- reset()

BPGenerator (C)
- canGenerateAlarm : boolean
- meanD : double
- meanS : double
- randomD : Random
- randomS : Random
- varianceD : double
- varianceS : double

- BPGenerator()
- evolve()
- getValue()
- reset()

Value (C)

java.util

TimerTask (C)

System

Sistema (C)

value

sys   sys   sys