Needle Assembly

-needlePresent

-isNeedlePresent()

-setNeedle()

Patient

Patient ID

LastName

FirstName



Sensor

-SensorWorking

-currentReading

-SensoryWorking()

-setSensor(working)

-grabReading()

-SetReading()

Display

-Mode

-ClockBox

-outputBox

-manualDeliveryButton

-ModeButton

-Main(args)

-addNotify()

-displayDose()

-updateClock()

Controller

-status

- InsulinRemaining

-InsulinDailyMax

-InsulinDailyMin

-InsulinsafeMin

- Reading 1

-Reading 2

-Reading 3

-SetDose(dose)

-InsulinReplaced()

-isDeliveryWorking()

-SetDelivery(working)

-SetDeliveryWorking(working)

-manualButtonPressed()

Simulator

-UserInput

-Run()

Insulin Pump

-PumpWork

-quantityDeliver

-isPumpWorking()

-Deliver()

Clock

Run()

Display()

InsulinRes

-InsulinRes

-Present

-replaceInsulin()

Power Supply

-BatteryLevel

-isBatteryLevelGood()

-SetBatteryLevel()