

Logic

DigitalFiltering
+ averagingZeroGroupDelay(in peaks[]: unsigned short, in peakArrayLength: unsigned short, in *totalNumberOfPeaks: unsigned short, in alpha: double)

BPAAlgorithm
+ calculateMAP(in peaks[]: unsigned short, in cuffPressure[]: unsigned short, in peakArrayLength: unsigned short, in *totalNumberOfPeaks: unsigned short) + calculateSYS(in peaks[]: unsigned short, in cuffPressure[]: unsigned short, in peakArrayLength: unsigned short, in *totalNumberOfPeaks: unsigned short, in MAP: unsigned short) + calculateDIA(in peaks[]: unsigned short, in cuffPressure[]: unsigned short, in peakArrayLength: unsigned short, in *totalNumberOfPeaks: unsigned short, in MAP: unsigned short)

Senarios
+ bloodPressure(in *MAP: unsigned short, in *SYS: unsigned short, in *DIA: unsigned short, in bps: BPAAlgorithm, in pc: <no type>, in df: DigitalFiltering, in util: Utilities)

MemoryParser
+ GetNoOfCycles(): unsigned short + setNoOfCycles(in val: unsigned short) + getTimePerCycle(): unsigned short + setTimePerCycle(in val: unsigned short) + writeToSDCard(in timeStamp: string, in occlusionComplete: boolean, in occlusionPressure: unsigned short, in sys: unsigned short, in map: unsigned short, in dia: unsigned short, in interruptOcclusion: boolean)

Timer
+ setTimeStamp() + getTimeStamp(): Time + countdown(in totalTime: unsigned short) + stopWatch() + displayTimer(): string + getTimerStatus(): boolean + setTimerStatus(in val: boolean) + timeToString(): string