

GUI

Display
<div>initDisplay() ClearAreaDisp() initConditioning() initOcclusion() initSetup() moveSquare() updateConditioning() updateOcclusion() updateSetup() getNoCycles() setNoCycles() updateTimeLeft() updateNoOfCycles() updateStopWatchTime()</div>

Button
<div>readModeSwitch() startStopConditioning() btPressed() startStopOcclusion() changer() selector()</div>

Logic

DigitalFiltering
<div>averagingZeroGroupDelay()</div>

BPAIgorithm
<div>calculateMAP() calculateSYS() calculateDIA()</div>

Senarios
<div>bloodPressure() occlusiontraining() occlusiontraining()</div>

MemoryParser
<div>GetNoOfCycles() setNoOfCycles() getTimePerCycle() setTimePerCycle() writeToSDCard() getD() startInitSD()</div>

Timer
<div>setTimeStamp() getTimeStamp() countdown() stopWatch() displayTimer() getTimerStatus() setTimerStatus() timeToString()</div>

Data

PressureControl	ExternalMemory	InternalMemory
<div>runMotor() runValve() turnMotorOn() turnMotorOff() turnValveOn() turnValveOff()</div>	<div>initializeSD() generateRandomNumber() checkFilesSD() writeToSDCard() createFileTemplate() getFilename()</div>	<div>writeToEEPROM() readFromEEPROM()</div>
PressureSampling		
<div>getCuffPressure() runningPeakDetect()</div>		

Utilities	Libraries
<div>rawToMmHg() mmHgToRaw()</div>	<div>+Arduino +EEPROM +SD +SPI +DS1302 +Adafruit_GFX +Adafruit_ILI9340</div>