mainwindow

+ bool flag

- UI::MainWindow *ui - Device* device

- int selectedSession
- int selectedGroup
- int connectionIntensityint timesIntensityAdjusted
- bool endSessionEarlyFlag
- QElapsedTimer blinkTimer
- QElapsedTimer powerPressedTimerQElapsedTimer selectTimer
- QElapsedTimer pauseTimer
- QElapsedTimer therapyTimerQElapsedTimer timeoutTimer

- therapy(int groupNum, int sessionNum, int recordingFlag, int overrideIntensity) - connectionTest() - addRecording(const string& name, int group, int batteryPercent, int initialIntensity, int intensity) - replayRecording(Recording* recording) - changeTextColor(QTextBrowser *text, QColor color) - changeBackgroundColor(QPushButton *button, const QString& color, const QString& image, const QString& radius) - bootConnectionTest() - blinkSession(int sessionNum) - cycleGroupButton() - turnOffUI() - softOff() - updateIntensityLog() - displayIntensityOnGraph() - powerLightOnOff(bool status) - endSessionEarlv() - ui initializeBattery() - ui_turnOffBattery() - blinkBattery() - drainBattery(int intensity) - checkBattery(): bool - batteryWarning() - sleepy(int sleepTime) **Device** - string deviceName - Battery* battery - Button* powerButton - Button* upArrowButton - Button* downArrowButton - Button* selectButton - Light* powerLight - Group* groupTypes[3] - Session* sessionTypes[3][4] - User* users[5] - Recording* recordings[100] - int currentIntensity - int numUsers - int numRecordings - bool isPowered - bool isSoftPowered - bool inSession - bool firstBoot - bool timeout - bool recordingFlag + Device(const string& name) + ~Device() Recording + WidgetChanged(Widget*, const string& widgetName) - string name - int intensity + powerOn() - int initialIntensity + setSoftPower(bool value) - int group + powerOff() - int connection + addUser(const string& name, int intensity): int - double batteryPercent + addRecording(const string& name, int intensity, int initialIntensity, int group, int batteryPercent, int connection): int User Group Light **Button Battery** Session - string groupName - string lightName - string buttonName - double batteryLevel string name - string sessionName - bool isLightOn - int lengthMS - bool blinkFlag - int duration - int intensity + pressed()

