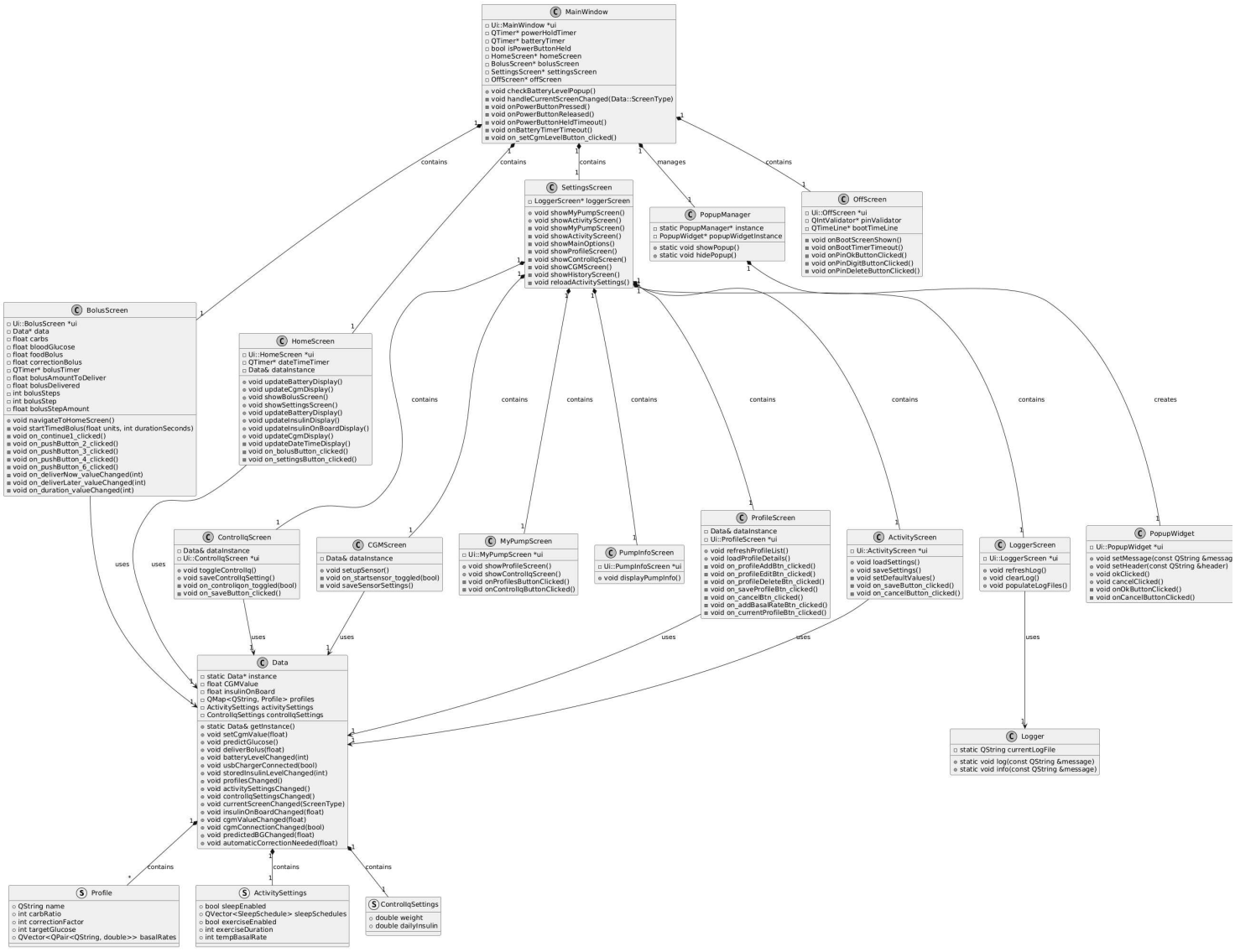
MainWindow
- Ui::MainWindow *ui
- QTimer* powerHoldTimer
- QTimer* batteryTimer
- bool isPowerButtonHeld
- HomeScreen* homeScreen
- BolusScreen* bolusScreen
- SettingsScreen* settingsScreen
- OffScreen* offScreen
+ void checkBatteryLevelPopup()
■ void handleCurrentScreenChanged(Data::ScreenType)
■ void onPowerButtonPressed()
■ void onPowerButtonReleased()
■ void onPowerButtonHeldTimeout()
■ void onBatteryTimerTimeout()
■ void on_setCgmLevelButton_clicked()
SettingsScreen
- LoggerScreen* loggerScreen
+ void showMyPumpScreen()
+ void showActivityScreen()
■ void showMyPumpScreen()
■ void showActivityScreen()
■ void showMainOptions()
■ void showProfileScreen()
■ void showControllqScreen()
■ void showCGMScreen()
■ void showHistoryScreen()
■ void reloadActivitySettings()
PopupManager
- static PopupManager* instance
- PopupWidget* popupWidgetInstance
+ static void showPopup()
+ static void hidePopup()
OffScreen
- Ui::OffScreen *ui
- QIntValidator* pinValidator
- QTimeLine* bootTimeLine
■ void onBootScreenShown()
■ void onBootTimerTimeout()
■ void onPinOkButtonClicked()
■ void onPinDigitButtonClicked()
■ void onPinDeleteButtonClicked()
BolusScreen
- Ui::BolusScreen *ui
- Data* data
- float carbs
- float bloodGlucose
- float foodBolus
- float correctionBolus
- QTimer* bolusTimer
- float bolusAmountToDeliver
- float bolusDelivered
- int bolusSteps
- int bolusStep
- float bolusStepAmount
+ void navigateToHomeScreen()
■ void startTimedBolus(float units, int durationSeconds)
■ void on_continue1_clicked()
■ void on_pushButton_2_clicked()
■ void on_pushButton_3_clicked()
■ void on_pushButton_4_clicked()
■ void on_pushButton_6_clicked()
■ void on_deliverNow_valueChanged(int)
■ void on_deliverLater_valueChanged(int)
■ void on_duration_valueChanged(int)
HomeScreen
- Ui::HomeScreen *ui
- QTimer* dateTimeTimer
- Data& dataInstance
+ void updateBatteryDisplay()
+ void updateCgmDisplay()
+ void showBolusScreen()
+ void showSettingsScreen()
+ void updateBatteryDisplay()
+ void updateInsulinDisplay()
+ void updateInsulinOnBoardDisplay()
+ void updateCgmDisplay()
■ void updateDateTimeDisplay()
■ void on_bolusButton_clicked()
■ void on_settingsButton_clicked()
ControllqScreen
- Data& dataInstance
- Ui::ControllqScreen *ui
+ void toggleControllq()
+ void saveControllqSetting()
■ void on_controliqon_toggled(bool)
■ void on_saveButton_clicked()
CGMScreen
- Data& dataInstance
+ void setupSensor()
■ void on_startsensor_toggled(bool)
■ void saveSensorSettings()
MyPumpScreen
- Ui::MyPumpScreen *ui
+ void showProfileScreen()
+ void showControllqScreen()
■ void onProfilesButtonClicked()
■ void onControllqButtonClicked()
PumpInfoScreen
- Ui::PumpInfoScreen *ui
+ void displayPumpInfo()
ProfileScreen
- Data& dataInstance
- Ui::ProfileScreen *ui
+ void refreshProfileList()
+ void loadProfileDetails()
■ void on_profileAddBtn_clicked()
■ void on_profileEditBtn_clicked()
■ void on_profileDeleteBtn_clicked()
■ void on_saveProfileBtn_clicked()
■ void on_cancelBtn_clicked()
■ void on_addBasalRateBtn_clicked()
■ void on_currentProfileBtn_clicked()
ActivityScreen
- Ui::ActivityScreen *ui
+ void loadSettings()
+ void saveSettings()
■ void setDefaultValues()
■ void on_saveButton_clicked()
■ void on_cancelButton_clicked()
LoggerScreen
- Ui::LoggerScreen *ui
+ void refreshLog()
+ void clearLog()
+ void populateLogFiles()
PopupWidget
- Ui::PopupWidget *ui
+ void setMessage(const QString &messag
+ void setHeader(const QString &header)
+ void okClicked()
+ void cancelClicked()
■ void onOkButtonClicked()
■ void onCancelButtonClicked()
Data
- static Data* instance
- float CGMValue
- float insulinOnBoard
- QMap<QString, Profile> profiles
- ActivitySettings activitySettings
- ControllqSettings controllqSettings
+ static Data& getInstance()
+ void setCgmValue(float)
+ void predictGlucose()
+ void deliverBolus(float)
+ void batteryLevelChanged(int)
+ void usbChargerConnected(bool)
+ void storedInsulinLevelChanged(int)
+ void profilesChanged()
+ void activitySettingsChanged()
+ void controllqSettingsChanged()
+ void currentScreenChanged(ScreenType)
+ void insulinOnBoardChanged(float)
+ void cgmValueChanged(float)
+ void cgmConnectionChanged(bool)
+ void predictedBGChanged(float)
+ void automaticCorrectionNeeded(float)
Logger
- static QString currentLogFile
+ static void log(const QString &message)
+ static void info(const QString &message)
Profile
○ QString name
○ int carbRatio
○ int correctionFactor
○ int targetGlucose
○ QVector<QPair<QString, double>> basalRates
ActivitySettings
○ bool sleepEnabled
○ QVector<SleepSchedule> sleepSchedules
○ bool exerciseEnabled
○ int exerciseDuration
○ int tempBasalRate
ControllqSettings
○ double weight
○ double dailyInsulin
contains
manages
uses
creates
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