MainWindow

- ui: Ui::MainWindow*
- client: MyClient
- client_username: QString
- client_accountNumber: QString
- client_authority: QString

- MainWindow(parent: QWidget = nullptr)
- ~MainWindow()
- Images_init(): void
- handleLoginResponse(response: const QJsonObject&): void
- handleAccountNumberResponse(response: const QJsonObject&): void
- handleAccountBalancerResponse(response: const QJsonObject&): void
- displayTransactionHistory(response: const QJsonObject&): void
- displayDatabaseData(jsonObject: const QJsonObject&): void
- onConnectionDevice(): void
- onDisconnectedDevice(): void
- onErrorOccurredDevice(socketError: QAbstractSocket::SocketError): void
- onStateChangedDevice(socketState: QAbstractSocket::SocketState): void
- onReadyReadDevice(request: const QJsonObject&): void
- on_PB_Login_clicked(): void
- on_UserGetAccountNo_PB_clicked(): void
- on_UserAccountBalance_PB_clicked(): void
- on_UserViewTransaction_PB_2_clicked(): void
- on_UserLogout_PB_clicked(): void
- on_Back_PB_clicked(): void
- on_UserShowTransactin_PB_clicked(): void
- on_UserMakeTransaction_PB_clicked(): void
- on_UserBack_Transaction_PB_clicked(): void
- on_UserConfirmTransaction_PB_clicked(): void
- on_UserTransferAmount_PB_clicked(): void
- on_UserTransfer_PB_clicked(): void
- on_UserTransfer_Back_PB_clicked(): void
- on_UserTransfer_confirm_PB_clicked(): void
- on_Admin_Logout_PB_clicked(): void
- on_Admin_GetAccountNo_PB_clicked(): void
- on_Admin_ViewAcountBalance_PB_clicked(): void
- on_Admin_ViewTransactionHistory_PB_clicked(): void
- on_Back_AdminViewHistory_PB_clicked(): void
- on_Display_AdminViewHistory_PB_clicked(): void
- on_Back_AdminViewBankDatabase_PB_clicked(): void
- on_Admin_ViewBankDatabase_PB_clicked(): void
- on_Admin_CreateNewUser_PB_clicked(): void
- on_Back_AdminCreateUser_PB_clicked(): void
- on_Confirm_AdminCreateUser_PB_clicked(): void
- on_Admin_DeleteUser_PB_clicked(): void
- on_Admin_UpdateUser_PB_clicked(): void
- on_Confirm_AdminUpdateUser_PB_clicked(): void
- on_Back_AdminUpdateUser_PB_clicked(): void

uses

MyClient

- ip: QString
- port: qint32
- socket: QTcpSocket

- MyClient(parent: QObject = nullptr)
- ConnectToDevice(ip: QString, port: qint32): void
- Disconnect(): void
- WriteData(data: QString): void
- sendRequest(request: const QJsonObject&): void
- sendEmail(to: QString, subject: QString, body: QString): void
- onConnection(): void
- onDisconnected(): void
- onErrorOccurred(socketError: QAbstractSocket::SocketError): void
- onStateChanged(socketState: QAbstractSocket::SocketState): void
- onReadyRead(): void

uses

QAESEncryption

- int m_nb
- int m_level
- int m_mode
- int m_nk
- int m_keyLen
- int m_nr
- int m_padding
- QByteArray* m_state

- static QByteArray Crypt(QAESEncryption::Aes level, QAESEncryption::Mode mode, const QByteArray &rawText, const QByteArray &key, const QByteArray &iv = QByteArray(), QAESEncryption::Padding padding = QAESEncryption::ISO);
- static QByteArray Decrypt(QAESEncryption::Aes level, QAESEncryption::Mode mode, const QByteArray &rawText, const QByteArray &key, const QByteArray &iv = QByteArray(), QAESEncryption::Padding padding = QAESEncryption::ISO);
- static QByteArray RemovePadding(const QByteArray &rawText, QAESEncryption::Padding padding = QAESEncryption::ISO);
- QAESEncryption(QAESEncryption::Aes level, QAESEncryption::Mode mode, QAESEncryption::Padding padding = QAESEncryption::ISO)