

SWallet ClientSide

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Client	7
QDialog	
clientHomePage	7
newSWallet	9
QMainWindow	
MainWindow	8
QObject	
ClientManager	8
Ui_clientHomePage	11
Ui::clientHomePage	8
Ui_MainWindow	11
Ui::MainWindow	9
Ui_newSWallet	12
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Ui::newSWallet	10

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Client	7
clientHomePage	7
Ui::clientHomePage	8
ClientManager	8
MainWindow	8
Ui::MainWindow	9
newSWallet	9
Ui::newSWallet	10
Ui_clientHomePage	11
Ui_MainWindow	11
Ui_newSWallet	12

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

client.h	25
clienthomepage.h	26
clientmanager.h	26
mainwindow.h	26
newswallet.h	27
build/Desktop_Qt_6_7_0-Debug/ moc_predefs.h	13
build/Desktop_Qt_6_7_0-Debug/ ui_clienthomepage.h	18
build/Desktop_Qt_6_7_0-Debug/ ui_mainwindow.h	20
build/Desktop_Qt_6_7_0-Debug/ ui_newswallet.h	21
build/Desktop_Qt_6_7_0-Debug/ ui_newwallet.h	24

Chapter 4

Class Documentation

4.1 Client Class Reference

Public Member Functions

- void **set_fullName** (QString fullName)
- QString **get_fullName** ()
- void **set_password** (QString password)
- QString **get_password** ()
- void **set_age** (int age)
- int **get_age** ()
- void **set_national_ID** (int national_ID)
- int **get_national_ID** ()
- void **set_phoneNumber** (int phoneNumber)
- int **get_phoneNumber** ()

The documentation for this class was generated from the following files:

- client.h
- client.cpp

4.2 clientHomePage Class Reference

Inheritance diagram for clientHomePage:

Collaboration diagram for clientHomePage:

Public Member Functions

- **clientHomePage** (int Phone_number, QWidget *parent=nullptr)

The documentation for this class was generated from the following files:

- clienthomepage.h
- clienthomepage.cpp

4.3 Ui::clientHomePage Class Reference

Inheritance diagram for Ui::clientHomePage:

Collaboration diagram for Ui::clientHomePage:

Additional Inherited Members

Public Member Functions inherited from [Ui_clientHomePage](#)

- void **setupUi** (QDialog *[clientHomePage](#))
- void **retranslateUi** (QDialog *[clientHomePage](#))

Public Attributes inherited from [Ui_clientHomePage](#)

- QPushButton * **deposit_Button**
- QGroupBox * **informationBox**
- QFrame * **fullName_frame**
- QLabel * **fullName_label**
- QLabel * **user_fullName**
- QFrame * **nationalID_frame**
- QLabel * **nationalID_label**
- QLabel * **user_NationalID**
- QFrame * **phoneNumber_frame**
- QLabel * **phoneNumber_label**
- QLabel * **user_phone_Number**
- QFrame * **Balance_frame**
- QLabel * **Balance_label**
- QLabel * **user_balance**
- QPushButton * **withdraw_Button**
- QFrame * **Amount_frame**
- QLabel * **Amount_label**
- QLineEdit * **Amount_lineEdit**

The documentation for this class was generated from the following file:

- build/Desktop_Qt_6_7_0-Debug/ui_clienthomepage.h

4.4 ClientManager Class Reference

Inheritance diagram for ClientManager:

4.5 MainWindow Class Reference

Inheritance diagram for MainWindow:

Collaboration diagram for MainWindow:

Public Member Functions

- **MainWindow** (QWidget *parent=nullptr)
- void **SignInResponse** (QByteArray data)

The documentation for this class was generated from the following files:

- mainwindow.h
- mainwindow.cpp

4.6 Ui::MainWindow Class Reference

Inheritance diagram for Ui::MainWindow:

Collaboration diagram for Ui::MainWindow:

Additional Inherited Members

Public Member Functions inherited from [Ui_MainWindow](#)

- void **setupUi** (QMainWindow *[MainWindow](#))
- void **retranslateUi** (QMainWindow *[MainWindow](#))

Public Attributes inherited from [Ui_MainWindow](#)

- QWidget * **centralwidget**
- QPushButton * **SignIn_Button**
- QPushButton * **newWallet_Button**
- QFrame * **phoneNumber_frame**
- QLineEdit * **phoneNumber_lineEdit**
- QLabel * **phoneNumber_label**
- QFrame * **frame**
- QLineEdit * **password_lineEdit**
- QLabel * **password_label**

The documentation for this class was generated from the following file:

- build/Desktop_Qt_6_7_0-Debug/ui_mainwindow.h

4.7 newSWallet Class Reference

Inheritance diagram for newSWallet:

Collaboration diagram for newSWallet:

Public Member Functions

- **newSWallet** (QWidget *parent=nullptr)
- void **fill_age_comboBox** ()
- bool **validData** ()
- void **fill_client_info** ([Client](#) &c)
- void **NSWallet_ServerResponse** (QByteArray data)

The documentation for this class was generated from the following files:

- newswallet.h
- newswallet.cpp

4.8 Ui::newSWallet Class Reference

Inheritance diagram for Ui::newSWallet:

Collaboration diagram for Ui::newSWallet:

Additional Inherited Members

Public Member Functions inherited from [Ui_newSWallet](#)

- void **setupUi** (QDialog *[newSWallet](#))
- void **retranslateUi** (QDialog *[newSWallet](#))
- void **setupUi** (QDialog *[newSWallet](#))
- void **retranslateUi** (QDialog *[newSWallet](#))

Public Attributes inherited from [Ui_newSWallet](#)

- QGroupBox * **registration_Box**
- QFrame * **fullName_frame**
- QLineEdit * **fullName_lineEdit**
- QLabel * **fullName_label**
- QFrame * **password_frame**
- QLineEdit * **password_lineEdit**
- QLabel * **password_label**
- QFrame * **nationalID_frame**
- QLineEdit * **nationalID_lineEdit**
- QLabel * **nationalID_label**
- QFrame * **age_frame**
- QLabel * **age_label**
- QComboBox * **age_comboBox**
- QFrame * **phoneNumber_frame**
- QLineEdit * **phoneNumber_lineEdit**
- QLabel * **phoneNumber_label**
- QPushButton * **create_Button**
- QPushButton * **cancel_Button**
- QFrame * **userName_frame**
- QLineEdit * **user_Name_lineEdit**
- QLabel * **userName_label**

The documentation for this class was generated from the following files:

- build/Desktop_Qt_6_7_0-Debug/ui_newswallet.h
- build/Desktop_Qt_6_7_0-Debug/ui_newswallet.h

4.9 Ui_clientHomePage Class Reference

Inheritance diagram for Ui_clientHomePage:

Public Member Functions

- void **setupUi** (QDialog *[clientHomePage](#))
- void **retranslateUi** (QDialog *[clientHomePage](#))

Public Attributes

- QPushButton * **deposit_Button**
- QGroupBox * **informationBox**
- QFrame * **fullName_frame**
- QLabel * **fullName_label**
- QLabel * **user_fullName**
- QFrame * **nationalID_frame**
- QLabel * **nationalID_label**
- QLabel * **user_NationalID**
- QFrame * **phoneNumber_frame**
- QLabel * **phoneNumber_label**
- QLabel * **user_phone_Number**
- QFrame * **Balance_frame**
- QLabel * **Balance_label**
- QLabel * **user_balance**
- QPushButton * **withdraw_Button**
- QFrame * **Amount_frame**
- QLabel * **Amount_label**
- QLineEdit * **Amount_lineEdit**

The documentation for this class was generated from the following file:

- build/Desktop_Qt_6_7_0-Debug/ui_clienthomepage.h

4.10 Ui_MainWindow Class Reference

Inheritance diagram for Ui_MainWindow:

Public Member Functions

- void **setupUi** (QMainWindow *[MainWindow](#))
- void **retranslateUi** (QMainWindow *[MainWindow](#))

Public Attributes

- QWidget * **centralwidget**
- QPushButton * **SignIn_Button**
- QPushButton * **newWallet_Button**
- QFrame * **phoneNumber_frame**
- QLineEdit * **phoneNumber_lineEdit**
- QLabel * **phoneNumber_label**
- QFrame * **frame**
- QLineEdit * **password_lineEdit**
- QLabel * **password_label**

The documentation for this class was generated from the following file:

- build/Desktop_Qt_6_7_0-Debug/ui_mainwindow.h

4.11 Ui_newSWallet Class Reference

Inheritance diagram for Ui_newSWallet:

Public Member Functions

- void **setupUi** (QDialog *[newSWallet](#))
- void **retranslateUi** (QDialog *[newSWallet](#))
- void **setupUi** (QDialog *[newSWallet](#))
- void **retranslateUi** (QDialog *[newSWallet](#))

Public Attributes

- QGroupBox * **registration_Box**
- QFrame * **fullName_frame**
- QLineEdit * **fullName_lineEdit**
- QLabel * **fullName_label**
- QFrame * **password_frame**
- QLineEdit * **password_lineEdit**
- QLabel * **password_label**
- QFrame * **nationalID_frame**
- QLineEdit * **nationalID_lineEdit**
- QLabel * **nationalID_label**
- QFrame * **age_frame**
- QLabel * **age_label**
- QComboBox * **age_comboBox**
- QFrame * **phoneNumber_frame**
- QLineEdit * **phoneNumber_lineEdit**
- QLabel * **phoneNumber_label**
- QPushButton * **create_Button**
- QPushButton * **cancel_Button**
- QFrame * **userName_frame**
- QLineEdit * **user_Name_lineEdit**
- QLabel * **userName_label**

The documentation for this class was generated from the following files:

- build/Desktop_Qt_6_7_0-Debug/ui_newswallet.h
- build/Desktop_Qt_6_7_0-Debug/ui_newwallet.h

Chapter 5

File Documentation

5.1 moc_predefs.h

```
00001 #define __DBL_MIN_EXP__ (-1021)
00002 #define __cpp_nontype_template_parameter_auto 201606L
00003 #define __UINT_LEAST16_MAX__ 0xffff
00004 #define __FLT16_HAS_QUIET_NAN__ 1
00005 #define __ATOMIC_ACQUIRE 2
00006 #define __FLT128_MAX_10_EXP__ 4932
00007 #define __FLT_MIN__ 1.1754943508222875079687365372224568e-38F
00008 #define __GCC_IEC_559_COMPLEX 2
00009 #define __cpp_aggregate_nsdmi 201304L
00010 #define __UINT_LEAST8_TYPE__ unsigned char
00011 #define __SIZEOF_FLOAT80__ 16
00012 #define __BFLT16_DENORM_MIN__ 9.18354961579912115600575419704879436e-41BF16
00013 #define __INTMAX_C(c) c ## L
00014 #define __CHAR_BIT__ 8
00015 #define __UINT8_MAX__ 0xff
00016 #define __SCHAR_WIDTH__ 8
00017 #define __WINT_MAX__ 0xffffffffU
00018 #define __FLT32_MIN_EXP__ (-125)
00019 #define __cpp_static_assert 201411L
00020 #define __BFLT16_MIN_10_EXP__ (-37)
00021 #define __ORDER_LITTLE_ENDIAN__ 1234
00022 #define __WCHAR_MAX__ 0x7fffffff
00023 #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_2 1
00024 #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_4 1
00025 #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_8 1
00026 #define __GCC_ATOMIC_CHAR_LOCK_FREE 2
00027 #define __GCC_IEC_559 2
00028 #define __FLT32X_DECIMAL_DIG__ 17
00029 #define __FLT_EVAL_METHOD__ 0
00030 #define __cpp_binary_literals 201304L
00031 #define __FLT64_DECIMAL_DIG__ 17
00032 #define __CET__ 3
00033 #define __cpp_noexcept_function_type 201510L
00034 #define __GCC_ATOMIC_CHAR32_T_LOCK_FREE 2
00035 #define __cpp_variadic_templates 200704L
00036 #define __UINT_FAST64_MAX__ 0xffffffffffffffffUL
00037 #define __SIG_ATOMIC_TYPE__ int
00038 #define __DBL_MIN_10_EXP__ (-307)
00039 #define __FINITE_MATH_ONLY__ 0
00040 #define __cpp_variable_templates 201304L
00041 #define __FLT32X_MAX_EXP__ 1024
00042 #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_1 1
00043 #define __FLT32_HAS_DENORM__ 1
00044 #define __UINT_FAST8_MAX__ 0xff
00045 #define __cpp_rvalue_reference 200610L
00046 #define __cpp_nested_namespace_definitions 201411L
00047 #define __DEC64_MAX_EXP__ 385
00048 #define __INT8_C(c) c
00049 #define __LDBL_HAS_INFINITY__ 1
00050 #define __INT_LEAST8_WIDTH__ 8
00051 #define __cpp_variadic_using 201611L
00052 #define __UINT_LEAST64_MAX__ 0xffffffffffffffffUL
00053 #define __INT_LEAST8_MAX__ 0x7f
00054 #define __cpp_attributes 200809L
00055 #define __cpp_capture_star_this 201603L
00056 #define __SHRT_MAX__ 0x7fff
00057 #define __LDBL_MAX__ 1.18973149535723176502126385303097021e+4932L
00058 #define __FLT64X_MAX_10_EXP__ 4932
```

```

00059 #define __cpp_if_constexpr 201606L
00060 #define __BFLT16_MAX_10_EXP__ 38
00061 #define __BFLT16_MAX_EXP__ 128
00062 #define __LDBL_IS_IEC_60559__ 1
00063 #define __FLT64X_HAS_QUIET_NAN__ 1
00064 #define __UINT_LEAST8_MAX__ 0xff
00065 #define __GCC_ATOMIC_BOOL_LOCK_FREE 2
00066 #define __FLT128_DENORM_MIN__ 6.47517511943802511092443895822764655e-4966F128
00067 #define __UINTMAX_TYPE__ long unsigned int
00068 #define __cpp_nsdmi 200809L
00069 #define __BFLT16_DECIMAL_DIG__ 4
00070 #define __linux 1
00071 #define __DEC32_EPSILON__ 1E-6DF
00072 #define __FLT_EVAL_METHOD_TS_18661_3__ 0
00073 #define __UINT32_MAX__ 0xffffffffU
00074 #define __GXX_EXPERIMENTAL_CXX0X__ 1
00075 #define __DBL_DENORM_MIN__ double(4.94065645841246544176568792868221372e-324L)
00076 #define __FLT128_MIN_EXP__ (-16381)
00077 #define __WINT_MIN__ 0U
00078 #define __FLT128_MIN_10_EXP__ (-4931)
00079 #define __FLT32X_IS_IEC_60559__ 1
00080 #define __INT_LEAST16_WIDTH__ 16
00081 #define __SCHAR_MAX__ 0x7f
00082 #define __FLT128_MANT_DIG__ 113
00083 #define __WCHAR_MIN__ (-__WCHAR_MAX__ - 1)
00084 #define __INT64_C(c) c ## L
00085 #define __SSP_STRONG__ 3
00086 #define __GCC_ATOMIC_POINTER_LOCK_FREE 2
00087 #define __ATOMIC_SEQ_CST 5
00088 #define __unix 1
00089 #define __INT_LEAST64_MAX__ 0xfffffffffffffffffL
00090 #define __FLT32X_MANT_DIG__ 53
00091 #define __GCC_ATOMIC_CHAR16_T_LOCK_FREE 2
00092 #define __cpp_aligned_new 201606L
00093 #define __FLT32_MAX_10_EXP__ 38
00094 #define __FLT64X_EPSILON__ 1.08420217248550443400745280086994171e-19F64x
00095 #define __STDC_HOSTED__ 1
00096 #define __DEC64_MIN_EXP__ (-382)
00097 #define __cpp_decltype_auto 201304L
00098 #define __DBL_DIG__ 15
00099 #define __FLT_EPSILON__ 1.19209289550781250000000000000000000000e-7F
00100 #define __GXX_WEAK__ 1
00101 #define __SHRT_WIDTH__ 16
00102 #define __FLT32_IS_IEC_60559__ 1
00103 #define __LDBL_MIN__ 3.36210314311209350626267781732175260e-4932L
00104 #define __DBL_IS_IEC_60559__ 1
00105 #define __DEC32_MAX__ 9.999999E96DF
00106 #define __cpp_threadsafe_static_init 200806L
00107 #define __cpp_enumerator_attributes 201411L
00108 #define __FLT64X_DENORM_MIN__ 3.64519953188247460252840593361941982e-4951F64x
00109 #define __FLT32X_HAS_INFINITY__ 1
00110 #define __unix__ 1
00111 #define __INT_WIDTH__ 32
00112 #define __STDC_IEC_559__ 1
00113 #define __STDC_ISO_10646__ 201706L
00114 #define __DECIMAL_DIG__ 21
00115 #define __STDC_IEC_559_COMPLEX__ 1
00116 #define __FLT64_EPSILON__ 2.22044604925031308084726333618164062e-16F64
00117 #define __gnu_linux__ 1
00118 #define __INT16_MAX__ 0x7fff
00119 #define __FLT64_MIN_EXP__ (-1021)
00120 #define __FLT64X_MIN_10_EXP__ (-4931)
00121 #define __LDBL_HAS_QUIET_NAN__ 1
00122 #define __cpp_return_type_deduction 201304L
00123 #define __FLT16_MIN_EXP__ (-13)
00124 #define __FLT64_MANT_DIG__ 53
00125 #define __FLT64X_MANT_DIG__ 64
00126 #define __BFLT16_DIG__ 2
00127 #define __GNUC__ 13
00128 #define __GXX_RTTI 1
00129 #define __MMX__ 1
00130 #define __FLT_HAS_DENORM__ 1
00131 #define __SIZEOF_LONG_DOUBLE__ 16
00132 #define __BIGGEST_ALIGNMENT__ 16
00133 #define __STDC_UTF_16__ 1
00134 #define __FLT64_MAX_10_EXP__ 308
00135 #define __BFLT16_IS_IEC_60559__ 0
00136 #define __FLT16_MAX_10_EXP__ 4
00137 #define __cpp_delegating_constructors 200604L
00138 #define __DBL_MAX__ double(1.79769313486231570814527423731704357e+308L)
00139 #define __cpp_raw_strings 200710L
00140 #define __INT_FAST32_MAX__ 0x7fffffffffffffffffL
00141 #define __DBL_HAS_INFINITY__ 1
00142 #define __INT64_MAX__ 0x7fffffffffffffffffL
00143 #define __SIZEOF_FLOAT__ 4
00144 #define __HAVE_SPECULATION_SAFE_VALUE 1
00145 #define __cpp_fold_expressions 201603L

```

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```
00320 #define __FLT64_HAS_INFINITY__ 1
00321 #define __FLT64X_MAX__ 1.18973149535723176502126385303097021e+4932F64x
00322 #define __FLT16_HAS_INFINITY__ 1
00323 #define __STDCPP_DEFAULT_NEW_ALIGNMENT__ 16
00324 #define __SIG_ATOMIC_MIN__ (-__SIG_ATOMIC_MAX__ - 1)
00325 #define __code_model_small__ 1
00326 #define __GCC_ATOMIC_LONG_LOCK_FREE 2
00327 #define __cpp_nontype_template_args 201411L
00328 #define __DEC32_MANT_DIG__ 7
00329 #define __k8__ 1
00330 #define __INTPTR_TYPE__ long int
00331 #define __UINT16_TYPE__ short unsigned int
00332 #define __WCHAR_TYPE__ int
00333 #define __pic__ 2
00334 #define __UINTPTR_MAX__ 0xffffffffffffffffUL
00335 #define __INT_FAST64_WIDTH__ 64
00336 #define __cpp_decltype 200707L
00337 #define __INT_FAST64_MAX__ 0x7fffffffffffffffL
00338 #define __GCC_ATOMIC_TEST_AND_SET_TRUEVAL 1
00339 #define __FLT_NORM_MAX__ 3.40282346638528859811704183484516925e+38F
00340 #define __FLT32_HAS_INFINITY__ 1
00341 #define __FLT64X_MAX_EXP__ 16384
00342 #define __UINT_FAST64_TYPE__ long unsigned int
00343 #define __cpp_inline_variables 201606L
00344 #define __BFLT16_MIN_EXP__ (-125)
00345 #define __INT_MAX__ 0x7fffffff
00346 #define __linux__ 1
00347 #define __INT64_TYPE__ long int
00348 #define __FLT_MAX_EXP__ 128
00349 #define __ORDER_BIG_ENDIAN__ 4321
00350 #define __DBL_MANT_DIG__ 53
00351 #define __cpp_inheriting_constructors 201511L
00352 #define __SIZEOF_FLOAT128__ 16
00353 #define __BFLT16_MANT_DIG__ 8
00354 #define __DEC64_MIN__ 1E-383DD
00355 #define __WINT_TYPE__ unsigned int
00356 #define __UINT_LEAST32_TYPE__ unsigned int
00357 #define __SIZEOF_SHORT__ 2
00358 #define __FLT32_NORM_MAX__ 3.40282346638528859811704183484516925e+38F32
00359 #define __SSE__ 1
00360 #define __LDBL_MIN_EXP__ (-16381)
00361 #define __FLT64_MAX__ 1.79769313486231570814527423731704357e+308F64
00362 #define __amd64__ 1
00363 #define __WINT_WIDTH__ 32
00364 #define __INT_LEAST64_WIDTH__ 64
00365 #define __FLT32X_MAX_10_EXP__ 308
00366 #define __cpp_namespace_attributes 201411L
00367 #define __SIZEOF_INT128__ 16
00368 #define __FLT16_MIN__ 6.1035156250000000000000000000000e-5F16
00369 #define __FLT64X_IS_IEC_60559__ 1
00370 #define __LDBL_MAX_10_EXP__ 4932
00371 #define __ATOMIC_RELAXED 0
00372 #define __DBL_EPSILON__ double(2.22044604925031308084726333618164062e-16L)
00373 #define __INT_LEAST32_TYPE__ int
00374 #define __LP64__ 1
00375 #define __UINT8_C(c) c
00376 #define __FLT64_MAX_EXP__ 1024
00377 #define __SIZEOF_WCHAR_T__ 4
00378 #define __GNUC_PATCHLEVEL__ 0
00379 #define __FLT128_NORM_MAX__ 1.18973149535723176508575932662800702e+4932F128
00380 #define __FLT64_NORM_MAX__ 1.79769313486231570814527423731704357e+308F64
00381 #define __FLT128_HAS_QUIET_NAN__ 1
00382 #define __INTMAX_MAX__ 0x7fffffffffffffffL
00383 #define __INT_FAST8_TYPE__ signed char
00384 #define __FLT64X_MIN__ 3.36210314311209350626267781732175260e-4932F64x
00385 #define __STDCPP_THREADS__ 1
00386 #define __BFLT16_HAS_DENORM__ 1
00387 #define __GNUC_STDC_INLINE__ 1
00388 #define __FLT64_HAS_DENORM__ 1
00389 #define __FLT32_EPSILON__ 1.19209289550781250000000000000000000e-7F32
00390 #define __FLT16_HAS_DENORM__ 1
00391 #define __DBL_DECIMAL_DIG__ 17
00392 #define __STDC_UTF_32__ 1
00393 #define __INT_FAST8_WIDTH__ 8
00394 #define __FXSR__ 1
00395 #define __FLT32X_MAX__ 1.79769313486231570814527423731704357e+308F32x
00396 #define __DBL_NORM_MAX__ double(1.79769313486231570814527423731704357e+308L)
00397 #define __BYTE_ORDER__ __ORDER_LITTLE_ENDIAN__
00398 #define __GCC_DESTRUCTIVE_SIZE 64
00399 #define __INTMAX_WIDTH__ 64
00400 #define __cpp_runtime_arrays 198712L
00401 #define __FLT32_DIG__ 6
00402 #define __UINT64_TYPE__ long unsigned int
00403 #define __UINT32_C(c) c ## U
00404 #define __cpp_alias_templates 200704L
00405 #define __FLT_DENORM_MIN__ 1.40129846432481707092372958328991613e-45F
00406 #define __FLT128_IS_IEC_60559__ 1
```

```

00407 #define __INT8_MAX__ 0x7f
00408 #define __LONG_WIDTH__ 64
00409 #define __DBL_MIN__ double(2.22507385850720138309023271733240406e-308L)
00410 #define __PIC__ 2
00411 #define __INT32_MAX__ 0xffffffff
00412 #define __UINT_FAST32_TYPE__ long unsigned int
00413 #define __FLT16_MANT_DIG__ 11
00414 #define __FLT32X_NORM_MAX__ 1.79769313486231570814527423731704357e+308F32x
00415 #define __CHAR32_TYPE__ unsigned int
00416 #define __FLT_MAX__ 3.40282346638528859811704183484516925e+38F
00417 #define __SSE2__ 1
00418 #define __cpp_deduction_guides 201703L
00419 #define __BFLT16_NORM_MAX__ 3.38953138925153547590470800371487867e+38BF16
00420 #define __INT32_TYPE__ int
00421 #define __SIZEOF_DOUBLE__ 8
00422 #define __cpp_exceptions 199711L
00423 #define __FLT_MIN_10_EXP__ (-37)
00424 #define __FLT64_MIN__ 2.22507385850720138309023271733240406e-308F64
00425 #define __INT_LEAST32_WIDTH__ 32
00426 #define __INTMAX_TYPE__ long int
00427 #define __GLIBCXX_BITSIZE_INT_N_0 128
00428 #define __FLT32X_HAS_QUIET_NAN__ 1
00429 #define __ATOMIC_CONSUME 1
00430 #define __GNUC_MINOR__ 2
00431 #define __GLIBCXX_TYPE_INT_N_0 __int128
00432 #define __UINTMAX_MAX__ 0xffffffffffffffffUL
00433 #define __FLT32X_DENORM_MIN__ 4.94065645841246544176568792868221372e-324F32x
00434 #define __cpp_template_template_args 201611L
00435 #define __DBL_MAX_10_EXP__ 308
00436 #define __LDBL_DENORM_MIN__ 3.64519953188247460252840593361941982e-4951L
00437 #define __INT16_C(c) c
00438 #define __STDC__ 1
00439 #define __PTRDIFF_TYPE__ long int
00440 #define __FLT32X_MIN_10_EXP__ (-307)
00441 #define __UINTPTR_TYPE__ long unsigned int
00442 #define __DEC64_SUBNORMAL_MIN__ 0.0000000000000001E-383DD
00443 #define __DEC128_MANT_DIG__ 34
00444 #define __LDBL_MIN_10_EXP__ (-4931)
00445 #define __cpp_generic_lambdas 201304L
00446 #define __SSE_MATH__ 1
00447 #define __SIZEOF_LONG_LONG__ 8
00448 #define __cpp_user_defined_literals 200809L
00449 #define __FLT128_DECIMAL_DIG__ 36
00450 #define __GCC_ATOMIC_LLONG_LOCK_FREE 2
00451 #define __FLT32_HAS_QUIET_NAN__ 1
00452 #define __FLT_DECIMAL_DIG__ 9
00453 #define __UINT_FAST16_MAX__ 0xffffffffffffffffUL
00454 #define __LDBL_NORM_MAX__ 1.18973149535723176502126385303097021e+4932L
00455 #define __GCC_ATOMIC_SHORT_LOCK_FREE 2
00456 #define __SIZE_MAX__ 0xffffffffffffffffUL
00457 #define __UINT_FAST8_TYPE__ unsigned char
00458 #define __GNU_SOURCE 1
00459 #define __cpp_init_captures 201304L
00460 #define __ATOMIC_ACQ_REL 4
00461 #define __ATOMIC_RELEASE 3

```

5.2 ui_clienthomepage.h

```

00001 /*****
00002 ** Form generated from reading UI file 'clienthomepage.ui'
00003 **
00004 ** Created by: Qt User Interface Compiler version 6.7.0
00005 **
00006 ** WARNING! All changes made in this file will be lost when recompiling UI file!
00007 *****/
00008
00009 #ifndef UI_CLIENTHOMEPAGE_H
00010 #define UI_CLIENTHOMEPAGE_H
00011
00012 #include <QtCore/QVariant>
00013 #include <QtWidgets/QApplication>
00014 #include <QtWidgets/QDialog>
00015 #include <QtWidgets/QFrame>
00016 #include <QtWidgets/QGroupBox>
00017 #include <QtWidgets/QLabel>
00018 #include <QtWidgets/QLineEdit>
00019 #include <QtWidgets/QPushButton>
00020
00021 QT_BEGIN_NAMESPACE
00022
00023 class Ui_clientHomePage
00024 {
00025 public:

```

```
00026     QPushButton *deposit_Button;
00027     QGroupBox *informationBox;
00028     QFrame *fullName_frame;
00029     QLabel *fullName_label;
00030     QLabel *user_fullName;
00031     QFrame *nationalID_frame;
00032     QLabel *nationalID_label;
00033     QLabel *user_NationalID;
00034     QFrame *phoneNumber_frame;
00035     QLabel *phoneNumber_label;
00036     QLabel *user_phone_Number;
00037     QFrame *Balance_frame;
00038     QLabel *Balance_label;
00039     QLabel *user_balance;
00040     QPushButton *withdraw_Button;
00041     QFrame *Amount_frame;
00042     QLabel *Amount_label;
00043     QLineEdit *Amount_lineEdit;
00044
00045     void setupUi(QDialog *clientHomePage)
00046     {
00047         if (clientHomePage->objectName().isEmpty())
00048             clientHomePage->setObjectName("clientHomePage");
00049         clientHomePage->resize(877, 547);
00050         deposit_Button = new QPushButton(clientHomePage);
00051         deposit_Button->setObjectName("deposit_Button");
00052         deposit_Button->setGeometry(QRect(540, 260, 131, 51));
00053         deposit_Button->setAutoFillBackground(false);
00054         deposit_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(87, 227, 137);\n"
00055 "color: black;"));
00056         informationBox = new QGroupBox(clientHomePage);
00057         informationBox->setObjectName("informationBox");
00058         informationBox->setEnabled(true);
00059         informationBox->setGeometry(QRect(40, 50, 481, 411));
00060         QFont font;
00061         font.setKerning(true);
00062         informationBox->setFont(font);
00063         informationBox->setCheckable(false);
00064         fullName_frame = new QFrame(informationBox);
00065         fullName_frame->setObjectName("fullName_frame");
00066         fullName_frame->setEnabled(true);
00067         fullName_frame->setGeometry(QRect(20, 100, 431, 51));
00068         fullName_frame->setAutoFillBackground(false);
00069         fullName_frame->setFrameShape(QFrame::StyledPanel);
00070         fullName_frame->setFrameShadow(QFrame::Raised);
00071         fullName_label = new QLabel(fullName_frame);
00072         fullName_label->setObjectName("fullName_label");
00073         fullName_label->setGeometry(QRect(20, 10, 81, 31));
00074         user_fullName = new QLabel(fullName_frame);
00075         user_fullName->setObjectName("user_fullName");
00076         user_fullName->setGeometry(QRect(130, 10, 271, 31));
00077         nationalID_frame = new QFrame(informationBox);
00078         nationalID_frame->setObjectName("nationalID_frame");
00079         nationalID_frame->setGeometry(QRect(20, 160, 431, 51));
00080         nationalID_frame->setFrameShape(QFrame::StyledPanel);
00081         nationalID_frame->setFrameShadow(QFrame::Raised);
00082         nationalID_label = new QLabel(nationalID_frame);
00083         nationalID_label->setObjectName("nationalID_label");
00084         nationalID_label->setGeometry(QRect(20, 10, 81, 31));
00085         user_NationalID = new QLabel(nationalID_frame);
00086         user_NationalID->setObjectName("user_NationalID");
00087         user_NationalID->setGeometry(QRect(130, 10, 271, 31));
00088         phoneNumber_frame = new QFrame(informationBox);
00089         phoneNumber_frame->setObjectName("phoneNumber_frame");
00090         phoneNumber_frame->setGeometry(QRect(20, 40, 431, 51));
00091         phoneNumber_frame->setFrameShape(QFrame::StyledPanel);
00092         phoneNumber_frame->setFrameShadow(QFrame::Raised);
00093         phoneNumber_label = new QLabel(phoneNumber_frame);
00094         phoneNumber_label->setObjectName("phoneNumber_label");
00095         phoneNumber_label->setGeometry(QRect(10, 10, 101, 31));
00096         user_phone_Number = new QLabel(phoneNumber_frame);
00097         user_phone_Number->setObjectName("user_phone_Number");
00098         user_phone_Number->setGeometry(QRect(130, 10, 271, 31));
00099         Balance_frame = new QFrame(informationBox);
00100         Balance_frame->setObjectName("Balance_frame");
00101         Balance_frame->setGeometry(QRect(110, 290, 251, 51));
00102         Balance_frame->setFrameShape(QFrame::StyledPanel);
00103         Balance_frame->setFrameShadow(QFrame::Raised);
00104         Balance_label = new QLabel(Balance_frame);
00105         Balance_label->setObjectName("Balance_label");
00106         Balance_label->setGeometry(QRect(10, 10, 61, 31));
00107         user_balance = new QLabel(Balance_frame);
00108         user_balance->setObjectName("user_balance");
00109         user_balance->setGeometry(QRect(80, 10, 151, 31));
00110         withdraw_Button = new QPushButton(clientHomePage);
00111         withdraw_Button->setObjectName("withdraw_Button");
00112         withdraw_Button->setGeometry(QRect(690, 260, 131, 51));
```



```

00113         withdraw_Button->setAutoFillBackground(false);
00114         withdraw_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(237, 51, 59);\n"
00115 "color: black;"));
00116         Amount_frame = new QFrame(clientHomePage);
00117         Amount_frame->setObjectName("Amount_frame");
00118         Amount_frame->setGeometry(QRect(560, 180, 251, 51));
00119         Amount_frame->setFrameShape(QFrame::StyledPanel);
00120         Amount_frame->setFrameShadow(QFrame::Raised);
00121         Amount_label = new QLabel(Amount_frame);
00122         Amount_label->setObjectName("Amount_label");
00123         Amount_label->setGeometry(QRect(10, 10, 61, 31));
00124         Amount_lineEdit = new QLineEdit(Amount_frame);
00125         Amount_lineEdit->setObjectName("Amount_lineEdit");
00126         Amount_lineEdit->setGeometry(QRect(90, 10, 113, 26));
00127
00128         retranslateUi(clientHomePage);
00129
00130         QMetaObject::connectSlotsByName(clientHomePage);
00131     } // setupUi
00132
00133     void retranslateUi(QDialog *clientHomePage)
00134     {
00135         clientHomePage->setWindowTitle(QCoreApplication::translate("clientHomePage", "Home Page",
00136 nullptr));
00137         deposit_Button->setText(QCoreApplication::translate("clientHomePage", "Deposit", nullptr));
00138         informationBox->setTitle(QCoreApplication::translate("clientHomePage", "SWallet Information",
00139 nullptr));
00140         fullName_label->setText(QCoreApplication::translate("clientHomePage", "Full Name", nullptr));
00141         user_fullName->setText(QCoreApplication::translate("clientHomePage", "TextLabel", nullptr));
00142         nationalID_label->setText(QCoreApplication::translate("clientHomePage", "National ID",
00143 nullptr));
00144         user_nationalID->setText(QCoreApplication::translate("clientHomePage", "TextLabel", nullptr));
00145         phoneNumber_label->setText(QCoreApplication::translate("clientHomePage", "Phone Number",
00146 nullptr));
00147         user_phone_Number->setText(QCoreApplication::translate("clientHomePage", "TextLabel",
00148 nullptr));
00149         Balance_label->setText(QCoreApplication::translate("clientHomePage", "Balance", nullptr));
00150         user_balance->setText(QCoreApplication::translate("clientHomePage", "TextLabel", nullptr));
00151         withdraw_Button->setText(QCoreApplication::translate("clientHomePage", "Withdraw", nullptr));
00152         Amount_label->setText(QCoreApplication::translate("clientHomePage", "Amount", nullptr));
00153         Amount_lineEdit->setPlaceholderText(QCoreApplication::translate("clientHomePage", "0",
00154 nullptr));
00155     } // retranslateUi
00156 };
00157
00158 namespace Ui {
00159     class clientHomePage: public Ui_clientHomePage {};
00160 } // namespace Ui
00161
00162 QT_END_NAMESPACE
00163
00164 #endif // UI_CLIENTHOMEPAGE_H

```

5.3 ui_mainwindow.h

```

00001 /*****
00002 ** Form generated from reading UI file 'mainwindow.ui'
00003 **
00004 ** Created by: Qt User Interface Compiler version 6.7.0
00005 **
00006 ** WARNING! All changes made in this file will be lost when recompiling UI file!
00007 *****/
00008
00009 #ifndef UI_MAINWINDOW_H
00010 #define UI_MAINWINDOW_H
00011
00012 #include <QtCore/QString>
00013 #include <QtWidgets/QApplication>
00014 #include <QtWidgets/QFrame>
00015 #include <QtWidgets/QLabel>
00016 #include <QtWidgets/QLineEdit>
00017 #include <QtWidgets/QMainWindow>
00018 #include <QtWidgets/QPushButton>
00019 #include <QtWidgets/QWidget>
00020
00021 QT_BEGIN_NAMESPACE
00022
00023 class Ui_MainWindow
00024 {
00025 public:
00026     QWidget *centralwidget;
00027     QPushButton *SignIn_Button;

```



```

00028     QPushButton *newWallet_Button;
00029     QFrame *phoneNumber_frame;
00030     QLineEdit *phoneNumber_lineEdit;
00031     QLabel *phoneNumber_label;
00032     QFrame *frame;
00033     QLineEdit *password_lineEdit;
00034     QLabel *password_label;
00035
00036     void setupUi(QMainWindow *MainWindow)
00037     {
00038         if (MainWindow->objectName().isEmpty())
00039             MainWindow->setObjectName("MainWindow");
00040         MainWindow->setWindowModality(Qt::NonModal);
00041         MainWindow->setEnabled(true);
00042         MainWindow->resize(859, 374);
00043         MainWindow->setAutoFillBackground(false);
00044         MainWindow->setTabShape(QTabWidget::Rounded);
00045         centralwidget = new QWidget(MainWindow);
00046         centralwidget->setObjectName("centralwidget");
00047         SignIn_Button = new QPushButton(centralwidget);
00048         SignIn_Button->setObjectName("SignIn_Button");
00049         SignIn_Button->setGeometry(QRect(540, 130, 181, 61));
00050         SignIn_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(87, 227, 137);\n"
00051 "color: rgb(61, 56, 70);"));
00052         newWallet_Button = new QPushButton(centralwidget);
00053         newWallet_Button->setObjectName("newWallet_Button");
00054         newWallet_Button->setGeometry(QRect(540, 210, 181, 61));
00055         newWallet_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(98, 160, 234);\n"
00056 "color: rgb(61, 56, 70);"));
00057         phoneNumber_frame = new QFrame(centralwidget);
00058         phoneNumber_frame->setObjectName("phoneNumber_frame");
00059         phoneNumber_frame->setGeometry(QRect(80, 110, 301, 81));
00060         phoneNumber_frame->setFrameShape(QFrame::NoFrame);
00061         phoneNumber_frame->setFrameShadow(QFrame::Raised);
00062         phoneNumber_lineEdit = new QLineEdit(phoneNumber_frame);
00063         phoneNumber_lineEdit->setObjectName("phoneNumber_lineEdit");
00064         phoneNumber_lineEdit->setGeometry(QRect(10, 40, 261, 26));
00065         phoneNumber_label = new QLabel(phoneNumber_frame);
00066         phoneNumber_label->setObjectName("phoneNumber_label");
00067         phoneNumber_label->setGeometry(QRect(10, 10, 101, 18));
00068         frame = new QFrame(centralwidget);
00069         frame->setObjectName("frame");
00070         frame->setGeometry(QRect(80, 200, 301, 81));
00071         frame->setFrameShape(QFrame::NoFrame);
00072         frame->setFrameShadow(QFrame::Raised);
00073         password_lineEdit = new QLineEdit(frame);
00074         password_lineEdit->setObjectName("password_lineEdit");
00075         password_lineEdit->setGeometry(QRect(10, 40, 261, 26));
00076         password_lineEdit->setEchoMode(QLineEdit::Password);
00077         password_label = new QLabel(frame);
00078         password_label->setObjectName("password_label");
00079         password_label->setGeometry(QRect(10, 10, 66, 18));
00080         MainWindow->setCentralWidget(centralwidget);
00081
00082         retranslateUi(MainWindow);
00083
00084         QObject::connectSlotsByName(MainWindow);
00085     } // setupUi
00086
00087     void retranslateUi(QMainWindow *MainWindow)
00088     {
00089         MainWindow->setWindowTitle(QCoreApplication::translate("MainWindow", "SWallet", nullptr));
00090         SignIn_Button->setText(QCoreApplication::translate("MainWindow", "Sign in", nullptr));
00091         newWallet_Button->setText(QCoreApplication::translate("MainWindow", "New SWallet", nullptr));
00092         phoneNumber_label->setText(QCoreApplication::translate("MainWindow", "Phone Number",
00093 nullptr));
00094         password_label->setText(QCoreApplication::translate("MainWindow", "Password", nullptr));
00095     } // retranslateUi
00096 };
00097
00098 namespace Ui {
00099     class MainWindow: public Ui_MainWindow {};
00100 } // namespace Ui
00101
00102 QT_END_NAMESPACE
00103
00104 #endif // UI_MAINWINDOW_H

```

5.4 ui_newswallet.h

```

00001 /*****
00002 ** Form generated from reading UI file 'newswallet.ui'

```

```

00003  **
00004  ** Created by: Qt User Interface Compiler version 6.7.0
00005  **
00006  ** WARNING! All changes made in this file will be lost when recompiling UI file!
00007  *****/
00008
00009  #ifndef UI_NEWSWALLET_H
00010  #define UI_NEWSWALLET_H
00011
00012  #include <QtCore/QVariant>
00013  #include <QtWidgets/QApplication>
00014  #include <QtWidgets/QComboBox>
00015  #include <QtWidgets/QDialog>
00016  #include <QtWidgets/QFrame>
00017  #include <QtWidgets/QGroupBox>
00018  #include <QtWidgets/QLabel>
00019  #include <QtWidgets/QLineEdit>
00020  #include <QtWidgets/QPushButton>
00021
00022  QT_BEGIN_NAMESPACE
00023
00024  class Ui_newSWallet
00025  {
00026  public:
00027      QGroupBox *registration_Box;
00028      QFrame *fullName_frame;
00029      QLineEdit *fullName_lineEdit;
00030      QLabel *fullName_label;
00031      QFrame *password_frame;
00032      QLineEdit *password_lineEdit;
00033      QLabel *password_label;
00034      QFrame *nationalID_frame;
00035      QLineEdit *nationalID_lineEdit;
00036      QLabel *nationalID_label;
00037      QFrame *age_frame;
00038      QLabel *age_label;
00039      QComboBox *age_comboBox;
00040      QFrame *phoneNumber_frame;
00041      QLineEdit *phoneNumber_lineEdit;
00042      QLabel *phoneNumber_label;
00043      QPushButton *create_Button;
00044      QPushButton *cancel_Button;
00045
00046      void setupUi(QDialog *newSWallet)
00047      {
00048          if (newSWallet->objectName().isEmpty())
00049              newSWallet->setObjectName("newSWallet");
00050          newSWallet->resize(739, 490);
00051          registration_Box = new QGroupBox(newSWallet);
00052          registration_Box->setObjectName("registration_Box");
00053          registration_Box->setEnabled(true);
00054          registration_Box->setGeometry(QRect(30, 40, 481, 411));
00055          QFont font;
00056          font.setKerning(true);
00057          registration_Box->setFont(font);
00058          registration_Box->setCheckable(false);
00059          fullName_frame = new QFrame(registration_Box);
00060          fullName_frame->setObjectName("fullName_frame");
00061          fullName_frame->setEnabled(true);
00062          fullName_frame->setGeometry(QRect(20, 100, 431, 51));
00063          fullName_frame->setAutoFillBackground(false);
00064          fullName_frame->setFrameShape(QFrame::StyledPanel);
00065          fullName_frame->setFrameShadow(QFrame::Raised);
00066          fullName_lineEdit = new QLineEdit(fullName_frame);
00067          fullName_lineEdit->setObjectName("fullName_lineEdit");
00068          fullName_lineEdit->setGeometry(QRect(120, 10, 301, 31));
00069          fullName_lineEdit->setMouseTracking(true);
00070          fullName_lineEdit->setContextMenuPolicy(Qt::CustomContextMenu);
00071          fullName_lineEdit->setAcceptDrops(true);
00072          fullName_label = new QLabel(fullName_frame);
00073          fullName_label->setObjectName("fullName_label");
00074          fullName_label->setGeometry(QRect(20, 10, 81, 31));
00075          password_frame = new QFrame(registration_Box);
00076          password_frame->setObjectName("password_frame");
00077          password_frame->setGeometry(QRect(20, 160, 431, 51));
00078          password_frame->setFrameShape(QFrame::StyledPanel);
00079          password_frame->setFrameShadow(QFrame::Raised);
00080          password_lineEdit = new QLineEdit(password_frame);
00081          password_lineEdit->setObjectName("password_lineEdit");
00082          password_lineEdit->setGeometry(QRect(120, 10, 301, 31));
00083          password_lineEdit->setEchoMode(QLineEdit::Password);
00084          password_label = new QLabel(password_frame);
00085          password_label->setObjectName("password_label");
00086          password_label->setGeometry(QRect(20, 10, 81, 31));
00087          nationalID_frame = new QFrame(registration_Box);
00088          nationalID_frame->setObjectName("nationalID_frame");
00089          nationalID_frame->setGeometry(QRect(20, 220, 431, 51));

```

```

00090     nationalID_frame->setFrameShape(QFrame::StyledPanel);
00091     nationalID_frame->setFrameShadow(QFrame::Raised);
00092     nationalID_lineEdit = new QLineEdit(nationalID_frame);
00093     nationalID_lineEdit->setObjectName("nationalID_lineEdit");
00094     nationalID_lineEdit->setGeometry(QRect(120, 10, 301, 31));
00095     nationalID_label = new QLabel(nationalID_frame);
00096     nationalID_label->setObjectName("nationalID_label");
00097     nationalID_label->setGeometry(QRect(20, 10, 81, 31));
00098     age_frame = new QFrame(registration_Box);
00099     age_frame->setObjectName("age_frame");
00100     age_frame->setGeometry(QRect(20, 280, 121, 51));
00101     age_frame->setFrameShape(QFrame::StyledPanel);
00102     age_frame->setFrameShadow(QFrame::Raised);
00103     age_label = new QLabel(age_frame);
00104     age_label->setObjectName("age_label");
00105     age_label->setGeometry(QRect(10, 10, 31, 31));
00106     age_comboBox = new QComboBox(age_frame);
00107     age_comboBox->setObjectName("age_comboBox");
00108     age_comboBox->setGeometry(QRect(60, 10, 51, 31));
00109     phoneNumber_frame = new QFrame(registration_Box);
00110     phoneNumber_frame->setObjectName("phoneNumber_frame");
00111     phoneNumber_frame->setGeometry(QRect(20, 40, 431, 51));
00112     phoneNumber_frame->setFrameShape(QFrame::StyledPanel);
00113     phoneNumber_frame->setFrameShadow(QFrame::Raised);
00114     phoneNumber_lineEdit = new QLineEdit(phoneNumber_frame);
00115     phoneNumber_lineEdit->setObjectName("phoneNumber_lineEdit");
00116     phoneNumber_lineEdit->setGeometry(QRect(160, 10, 261, 31));
00117     phoneNumber_label = new QLabel(phoneNumber_frame);
00118     phoneNumber_label->setObjectName("phoneNumber_label");
00119     phoneNumber_label->setGeometry(QRect(10, 10, 141, 31));
00120     create_Button = new QPushButton(newSWallet);
00121     create_Button->setObjectName("create_Button");
00122     create_Button->setGeometry(QRect(550, 170, 131, 51));
00123     create_Button->setAutoFillBackground(false);
00124     create_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(87, 227, 137);\n"
00125 "color: black;"));
00126     cancel_Button = new QPushButton(newSWallet);
00127     cancel_Button->setObjectName("cancel_Button");
00128     cancel_Button->setGeometry(QRect(550, 240, 131, 51));
00129     cancel_Button->setAutoFillBackground(false);
00130     cancel_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(237, 51, 59);\n"
00131 "color: black;"));
00132     QWidget::setTabOrder(phoneNumber_lineEdit, fullName_lineEdit);
00133     QWidget::setTabOrder(fullName_lineEdit, password_lineEdit);
00134     QWidget::setTabOrder(password_lineEdit, nationalID_lineEdit);
00135     QWidget::setTabOrder(nationalID_lineEdit, age_comboBox);
00136     QWidget::setTabOrder(age_comboBox, create_Button);
00137     QWidget::setTabOrder(create_Button, cancel_Button);
00138
00139     retranslateUi(newSWallet);
00140
00141     QMetaObject::connectSlotsByName(newSWallet);
00142 } // setupUi
00143
00144 void retranslateUi(QDialog *newSWallet)
00145 {
00146     newSWallet->setWindowTitle(QCoreApplication::translate("newSWallet", "New SWallet", nullptr));
00147     registration_Box->setTitle(QCoreApplication::translate("newSWallet", "New SWallet
00148 Registration:", nullptr));
00149     fullName_lineEdit->setPlaceholderText(QCoreApplication::translate("newSWallet", "First Last",
00150 nullptr));
00151     fullName_label->setText(QCoreApplication::translate("newSWallet", "Full Name", nullptr));
00152     password_lineEdit->setPlaceholderText(QCoreApplication::translate("newSWallet", "Pass",
00153 nullptr));
00154     password_label->setText(QCoreApplication::translate("newSWallet", "Password", nullptr));
00155     nationalID_label->setText(QCoreApplication::translate("newSWallet", "National ID", nullptr));
00156     age_label->setText(QCoreApplication::translate("newSWallet", "Age", nullptr));
00157     age_comboBox->setCurrentText(QString());
00158     age_comboBox->setPlaceholderText(QString());
00159     phoneNumber_lineEdit->setPlaceholderText(QCoreApplication::translate("newSWallet", "123
00160 1234567 (Last 10 digits)", nullptr));
00161     phoneNumber_label->setText(QCoreApplication::translate("newSWallet", "Phone Number +20",
00162 nullptr));
00163     create_Button->setText(QCoreApplication::translate("newSWallet", "Create", nullptr));
00164     cancel_Button->setText(QCoreApplication::translate("newSWallet", "Cancel", nullptr));
00165 } // retranslateUi
00166
00167
00168 namespace Ui {
00169     class newSWallet: public Ui_newSWallet {};
00170 } // namespace Ui
00171
00172 QT_END_NAMESPACE
00173 #endif // UI_NEWSWALLET_H

```

5.5 ui_newwallet.h

```

00001 /*****
00002 ** Form generated from reading UI file 'newwallet.ui'
00003 **
00004 ** Created by: Qt User Interface Compiler version 6.7.0
00005 **
00006 ** WARNING! All changes made in this file will be lost when recompiling UI file!
00007 *****/
00008
00009 #ifndef UI_NEWWALLET_H
00010 #define UI_NEWWALLET_H
00011
00012 #include <QtCore/QVariant>
00013 #include <QtWidgets/QApplication>
00014 #include <QtWidgets/QComboBox>
00015 #include <QtWidgets/QDialog>
00016 #include <QtWidgets/QFrame>
00017 #include <QtWidgets/QGroupBox>
00018 #include <QtWidgets/QLabel>
00019 #include <QtWidgets/QLineEdit>
00020 #include <QtWidgets/QPushButton>
00021
00022 QT_BEGIN_NAMESPACE
00023
00024 class Ui_newSWallet
00025 {
00026 public:
00027     QGroupBox *registration_Box;
00028     QFrame *userName_frame;
00029     QLineEdit *user_Name_lineEdit;
00030     QLabel *userName_label;
00031     QFrame *password_frame;
00032     QLineEdit *password_lineEdit;
00033     QLabel *password_label;
00034     QFrame *nationalID_frame;
00035     QLineEdit *nationalID_lineEdit;
00036     QLabel *nationalID_label;
00037     QFrame *age_frame;
00038     QLabel *age_label;
00039     QComboBox *age_comboBox;
00040     QPushButton *create_Button;
00041     QPushButton *cancel_Button;
00042
00043     void setupUi(QDialog *newSWallet)
00044     {
00045         if (newSWallet->objectName().isEmpty())
00046             newSWallet->setObjectName("newSWallet");
00047         newSWallet->resize(716, 485);
00048         registration_Box = new QGroupBox(newSWallet);
00049         registration_Box->setObjectName("registration_Box");
00050         registration_Box->setGeometry(QRect(60, 50, 451, 411));
00051         userName_frame = new QFrame(registration_Box);
00052         userName_frame->setObjectName("userName_frame");
00053         userName_frame->setGeometry(QRect(20, 50, 401, 51));
00054         userName_frame->setFrameShape(QFrame::StyledPanel);
00055         userName_frame->setFrameShadow(QFrame::Raised);
00056         user_Name_lineEdit = new QLineEdit(userName_frame);
00057         user_Name_lineEdit->setObjectName("user_Name_lineEdit");
00058         user_Name_lineEdit->setGeometry(QRect(90, 10, 301, 31));
00059         userName_label = new QLabel(userName_frame);
00060         userName_label->setObjectName("userName_label");
00061         userName_label->setGeometry(QRect(10, 10, 81, 31));
00062         password_frame = new QFrame(registration_Box);
00063         password_frame->setObjectName("password_frame");
00064         password_frame->setGeometry(QRect(20, 110, 401, 51));
00065         password_frame->setFrameShape(QFrame::StyledPanel);
00066         password_frame->setFrameShadow(QFrame::Raised);
00067         password_lineEdit = new QLineEdit(password_frame);
00068         password_lineEdit->setObjectName("password_lineEdit");
00069         password_lineEdit->setGeometry(QRect(90, 10, 301, 31));
00070         password_lineEdit->setEchoMode(QLineEdit::Password);
00071         password_label = new QLabel(password_frame);
00072         password_label->setObjectName("password_label");
00073         password_label->setGeometry(QRect(10, 10, 81, 31));
00074         nationalID_frame = new QFrame(registration_Box);
00075         nationalID_frame->setObjectName("nationalID_frame");
00076         nationalID_frame->setGeometry(QRect(20, 170, 401, 51));
00077         nationalID_frame->setFrameShape(QFrame::StyledPanel);
00078         nationalID_frame->setFrameShadow(QFrame::Raised);
00079         nationalID_lineEdit = new QLineEdit(nationalID_frame);
00080         nationalID_lineEdit->setObjectName("nationalID_lineEdit");
00081         nationalID_lineEdit->setGeometry(QRect(90, 10, 301, 31));
00082         nationalID_label = new QLabel(nationalID_frame);
00083         nationalID_label->setObjectName("nationalID_label");
00084         nationalID_label->setGeometry(QRect(10, 10, 81, 31));
00085         age_frame = new QFrame(registration_Box);

```

```

00086     age_frame->setObjectName("age_frame");
00087     age_frame->setGeometry(QRect(20, 230, 121, 51));
00088     age_frame->setFrameShape(QFrame::StyledPanel);
00089     age_frame->setFrameShadow(QFrame::Raised);
00090     age_label = new QLabel(age_frame);
00091     age_label->setObjectName("age_label");
00092     age_label->setGeometry(QRect(10, 10, 31, 31));
00093     age_comboBox = new QComboBox(age_frame);
00094     age_comboBox->setObjectName("age_comboBox");
00095     age_comboBox->setGeometry(QRect(60, 10, 51, 31));
00096     create_Button = new QPushButton(newSWallet);
00097     create_Button->setObjectName("create_Button");
00098     create_Button->setGeometry(QRect(550, 170, 131, 51));
00099     create_Button->setAutoFillBackground(false);
00100     create_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(87, 227, 137);\n"
00101 "color: black;"));
00102     cancel_Button = new QPushButton(newSWallet);
00103     cancel_Button->setObjectName("cancel_Button");
00104     cancel_Button->setGeometry(QRect(550, 240, 131, 51));
00105     cancel_Button->setAutoFillBackground(false);
00106     cancel_Button->setStyleSheet(QString::fromUtf8("background-color: rgb(237, 51, 59);\n"
00107 "color: black;"));
00108
00109     retranslateUi(newSWallet);
00110
00111     QMetaObject::connectSlotsByName(newSWallet);
00112 } // setupUi
00113
00114 void retranslateUi(QDialog *newSWallet)
00115 {
00116     newSWallet->setWindowTitle(QCoreApplication::translate("newSWallet", "New SWallet", nullptr));
00117     registration_Box->setTitle(QCoreApplication::translate("newSWallet", "New SWallet
Registration:", nullptr));
00118     userName_label->setText(QCoreApplication::translate("newSWallet", "User Name", nullptr));
00119     password_label->setText(QCoreApplication::translate("newSWallet", "Password", nullptr));
00120     nationalID_label->setText(QCoreApplication::translate("newSWallet", "National ID", nullptr));
00121     age_label->setText(QCoreApplication::translate("newSWallet", "Age", nullptr));
00122     age_comboBox->setCurrentText(QString());
00123     age_comboBox->setPlaceholderText(QString());
00124     create_Button->setText(QCoreApplication::translate("newSWallet", "Create", nullptr));
00125     cancel_Button->setText(QCoreApplication::translate("newSWallet", "Cancel", nullptr));
00126 } // retranslateUi
00127
00128 };
00129
00130 namespace Ui {
00131     class newSWallet: public Ui_newSWallet {};
00132 } // namespace Ui
00133
00134 QT_END_NAMESPACE
00135
00136 #endif // UI_NEWWALLET_H

```

5.6 client.h

```

00001 #ifndef CLIENT_H
00002 #define CLIENT_H
00003 #include <QString>
00004 class Client
00005 {
00006 private:
00007     QString fullName,password;
00008     int age, national_ID, phoneNumber;
00009 public:
00010     Client();
00011     void set_fullName(QString fullName);
00012     QString get_fullName();
00013     void set_password(QString password);
00014     QString get_password();
00015     void set_age(int age);
00016     int get_age();
00017     void set_national_ID(int national_ID);
00018     int get_national_ID();
00019     void set_phoneNumber(int phoneNumber);
00020     int get_phoneNumber();
00021 };
00022
00023 #endif // CLIENT_H
00024

```

5.7 clienthomepage.h

```

00001 #ifndef CLIENTHOMEPAGE_H
00002 #define CLIENTHOMEPAGE_H
00003
00004 #include "clientmanager.h"
00005 #include <QDialog>
00006
00007 namespace Ui {
00008 class clientHomePage;
00009 }
00010
00011 class clientHomePage : public QDialog
00012 {
00013     Q_OBJECT
00014
00015 public:
00016     explicit clientHomePage(int Phone_number,QWidget *parent = nullptr);
00017     ~clientHomePage();
00018 private slots:
00019     void on_deposit_Button_clicked();
00020
00021     void on_withdraw_Button_clicked();
00022
00023 private: // Methods
00024     void requestUserData();
00025     void receivedUserData(QByteArray data);
00026     void receivedNewBalance(QByteArray data);
00027 private:
00028     Ui::clientHomePage *ui;
00029     int Phone_Number;
00030     ClientManager * clientM;
00031 };
00032
00033 #endif // CLIENTHOMEPAGE_H

```

5.8 clientmanager.h

```

00001 #ifndef CLIENTMANAGER_H
00002 #define CLIENTMANAGER_H
00003
00004 #include "client.h"
00005 #include <QObject>
00006 #include <QTcpSocket>
00007 class ClientManager : public QObject
00008 {
00009     Q_OBJECT
00010 public:
00011     explicit ClientManager(QHostAddress ip = QHostAddress::LocalHost, ushort port = 4500,
00012         QObject *parent = nullptr);
00013     void connectToServer();
00014     void DisconnectFromServer();
00015     void sendMessage(QString msg);
00016     void sendClientInfo(Client c);
00017     void sendcredentials(QString Phone_Number, QString Password);
00018 signals:
00019     void connected();
00020     void disconnected();
00021     void dataRecieved(QByteArray data);
00022 private slots:
00023     void readReady();
00024
00025 private:
00026     QTcpSocket * socket;
00027     QHostAddress ip;
00028     ushort port;
00029 };
00030
00031 #endif // CLIENTMANAGER_H

```

5.9 mainwindow.h

```

00001 #ifndef MAINWINDOW_H
00002 #define MAINWINDOW_H
00003
00004 #include <QMainWindow>
00005 #include "clientmanager.h"
00006 QT_BEGIN_NAMESPACE
00007 namespace Ui {

```

```

00008 class MainWindow;
00009 }
00010 QT_END_NAMESPACE
00011
00012 class MainWindow : public QMainWindow
00013 {
00014     Q_OBJECT
00015
00016 public:
00017     MainWindow(QWidget *parent = nullptr);
00018     ~MainWindow();
00019     void SigninResponse(QByteArray data);
00020 private slots:
00021     void on_newWallet_Button_clicked();
00022
00023     void on_SignIn_Button_clicked();
00024
00025 private:
00026     Ui::MainWindow *ui;
00027     ClientManager * clientM;
00028 };
00029 #endif // MAINWINDOW_H

```

5.10 newswallet.h

```

00001 #ifndef NEWSWALLET_H
00002 #define NEWSWALLET_H
00003 #include "client.h"
00004 #include "clientmanager.h"
00005 #include <QDialog>
00006
00007 namespace Ui {
00008 class newSWallet;
00009 }
00010
00011 class newSWallet : public QDialog
00012 {
00013     Q_OBJECT
00014
00015 public:
00016     explicit newSWallet(QWidget *parent = nullptr);
00017     void fill_age_comboBox();
00018     bool validData();
00019     void fill_client_info(Client &c);
00020     void NSWallet_ServerResponse(QByteArray data);
00021     ~newSWallet();
00022
00023 private slots:
00024     void on_cancel_Button_clicked();
00025     void on_create_Button_clicked();
00026
00027 private:
00028     Ui::newSWallet *ui;
00029     ClientManager *clientM;
00030 };
00031
00032 #endif // NEWSWALLET_H

```


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