

Quant SC Trading System

0.0.1

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Chapter 1

Class Index

1.1 Class List

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

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Chapter 2

File Index

2.1 File List

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

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/home/danny/code_projects/quantsc/qsc-trading/controller/include/ controller.hpp	7
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/home/danny/code_projects/quantsc/qsc-trading/services/include/ services.hpp	8
/home/danny/code_projects/quantsc/qsc-trading/strategy/include/ strategy.hpp This file provides AST data structures related to concepts	8

Chapter 3

Class Documentation

3.1 Stock Class Reference

```
#include <stock.hpp>
```

Public Member Functions

- virtual void **print** () const =0

3.1.1 Detailed Description

Does foo and bar.

Does not do foo the usual way if `Baz` is true.

Typical usage:

```
fooBar(false, "quux", Res);
```

Parameters

	<i>Quux</i>	kind of foo to do.
out	<i>Result</i>	filled with bar sequence on foo success.

Returns

true on success.

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

- /home/danny/code_projects/quantsc/qsc-trading/instruments/include/[stock.hpp](#)

Chapter 4

File Documentation

4.1 book.hpp

4.2 controller.hpp

4.3 input_gate.hpp

4.4 output_gate.hpp

4.5 bond.hpp

4.6 forward.hpp

4.7 futures.hpp

4.8 /home/danny/code_projects/quantsc/qsc-trading/instruments/include/stock.hpp File Reference

Classes

- class [Stock](#)

4.8.1 Detailed Description

This file contains the declaration of the stock class, which is the base class for all stock instruments.

4.9 stock.hpp

[Go to the documentation of this file.](#)

```
00001 //===-- instruments/include/stock.hpp - Stock class definition -----*- C++ -*-===//
00002 //
00003 // Part of the QuantSC Trading Project, under the GNU General Public License v3.0.
00004 // See https://github.com/quantsc/qsc-trading/blob/main/LICENSE for license information.
00005 // SPDX-License-Identifier: GNU General Public License v3.0 only
00006 //
00007 //===-----//
00013 //===-----//
00014
00015 #ifndef INSTRUMENTS_INCLUDE_STOCK_HPP
00016 #define INSTRUMENTS_INCLUDE_STOCK_HPP
00017
00031 class Stock {
00032 public:
00033     Stock() = default;
00034     virtual ~Stock() = default;
00035     virtual void print() const = 0;
00036 };
00037
00038
00039
00040 #endif // INSTRUMENTS_INCLUDE_STOCK_HPP
```

4.10 swap.hpp

4.11 vanillaoption.hpp

4.12 risk.hpp

```
00001 //===-- Risk.hpp - Calculating Portfolio Risk Exposure ---//
00002 //
00003 // Part of the Q
00004 // See https://llvm.org/LICENSE.txt for license information.
00005 // SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
00006 //
00007 //===-----//
00008 //
00009 // Defines CGFunctionInfo and associated types used in representing the
00010 // LLVM source types and ABI-coerced types for function arguments and
00011 // return values.
00012 //
00013 //===-----//
```

4.13 backtest.hpp

4.14 services.hpp

4.15 /home/danny/code_projects/quantsc/qsc-trading/strategy/include/strategy.hpp File Reference

This file provides AST data structures related to concepts.

```
#include <string>
```

Functions

- `std::string strategy ()`

4.15.1 Detailed Description

This file provides AST data structures related to concepts.

4.16 strategy.hpp

[Go to the documentation of this file.](#)

```
00001 //====-- ASTConcept.h - Concepts Related AST Data Structures ----- C++ -*====//
00002 //
00003 // Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
00004 // See https://llvm.org/LICENSE.txt for license information.
00005 // SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
00006 //
00007 //=====//
00012 //=====//
00013 #ifndef STRATEGY_HPP
00014 #define STRATEGY_HPP
00015
00016 #include <string>
00017
00018 /*
00019  * @brief This is the interface that will be used by the main program
00020  * to call the strategy function.
00021  * @return The strategy function will return a string that will be printed
00022  */
00023 std::string strategy(); // This is the function that will be called from the main program
00024
00025 #endif // STRATEGY_HPP
```


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