My Project

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

Chapter 2

Class Index

2.1 Class List

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

Chapter 3

File Index

3.1 File List

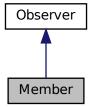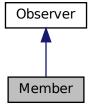Here is a list of all files with brief descriptions:

Chapter 4

Class Documentation

4.1 Member Class Reference

Inheritance diagram for Member:

Collaboration diagram for Member:

Public Member Functions

- Member (Subject ∗sub)
- void raisePrice (Subject ∗sub, int value)
- void update (int price) override

4.1.1 Detailed Description

Author

Version

1.0

Date

2023

, .

4.1.2 Constructor & Destructor Documentation

4.1.2.1 Member()

```
Member::Member (
            Subject * sub ) [inline]
```

4.1.3 Member Function Documentation

4.1.3.1 raisePrice()

```
void Member::raisePrice (
            Subject * sub,
            int value ) [inline]
```

4.1.3.2 update()

```
void Member::update (
            int price ) [inline], [override], [virtual]
```
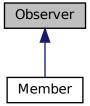
Implements Observer.

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

- main.cpp

4.2 Observer Class Reference

Inheritance diagram for Observer:

Public Member Functions

- virtual void update (int price)=0

4.2.1 Member Function Documentation

4.2.1.1 update()

```
virtual void Observer::update (
            int price ) [pure virtual]
```

Implemented in Member.

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

- main.cpp

4.3 Subject Class Reference

Public Member Functions

- void addMember (Observer ∗obs)
- void setNewPrice (int value)
- void notify (int price)

Public Attributes

- int price = 0

4.3.1 Detailed Description

Author

Version

1.0

Date

2023

, , , .

4.3.2 Member Function Documentation

4.3.2.1 addMember()

```
void Subject::addMember (
            Observer * obs ) [inline]
```

4.3.2.2 notify()

```
void Subject::notify (
             int price ) [inline]
```

4.3.2.3 setNewPrice()

```
void Subject::setNewPrice (
             int value ) [inline]
```

4.3.3 Member Data Documentation

4.3.3.1 price

```
int Subject::price = 0
```

The documentation for this class was generated from the following file:
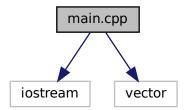
- main.cpp

Chapter 5

File Documentation

5.1 CMakeLists.txt File Reference

5.2 main.cpp File Reference

```
#include <iostream>
#include <vector>
```
Include dependency graph for main.cpp:

Classes

- class Observer
- class Subject

- class Member

Functions

- int main ()

5.2.1 Function Documentation

5.2.1.1 main()

```
int main ( )
```

Index