

My Project

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

Application	5
Smart_Card	10
Base_Card_Decorator	7
Bank_Decorator	6
General_Info_Decorator	8
Medical_Decorator	9

Chapter 2

Class Index

2.1 Class List

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

Application	The main class you use to contact with system	5
Bank_Decorator	All bank information about person	6
Base_Card_Decorator	Just simple decorator	7
General_Info_Decorator	Decorator of Info	8
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Chapter 3

Class Documentation

3.1 Application Class Reference

The main class you use to contact with system.

```
#include <Application.h>
```

Public Member Functions

- `std::string get_general_information ()`
A function with general info about person like name, birth date and gender.
- `std::string get_medical_information ()`
A func about medical information like insurance number and blood_type.
- `std::string get_bank_information ()`
All info about banks.

3.1.1 Detailed Description

The main class you use to contact with system.

3.1.2 Member Function Documentation

3.1.2.1 `get_bank_information()`

```
std::string Application::get_bank_information ( ) [inline]
```

All info about banks.

Returns

Returns u card_number and individual taxes number

3.1.2.2 `get_general_information()`

```
std::string Application::get_general_information ( ) [inline]
```

A function with general info about person like name, birth date and gender.

Returns

Returns all general info

3.1.2.3 `get_medical_information()`

```
std::string Application::get_medical_information ( ) [inline]
```

A func about medical information like insurance number and blood_type.

Returns

Gives u insurance number and blood type

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

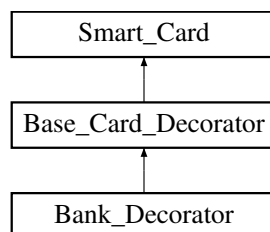
- Application.h

3.2 Bank_Decorator Class Reference

All bank information about person.

```
#include <Bank_Decorator.h>
```

Inheritance diagram for Bank_Decorator:



Public Member Functions

- `std::string get_bank_information ()` override
Bank information like card number and itn.
- **Bank_Decorator** ([Smart_Card](#) *S)

Additional Inherited Members

3.2.1 Detailed Description

All bank information about person.

3.2.2 Member Function Documentation

3.2.2.1 get_bank_information()

```
std::string Bank_Decorator::get_bank_information ( ) [inline], [override], [virtual]
```

Bank information like card number and itn.

Returns

Returns card number and individual taxes number

Reimplemented from [Base_Card_Decorator](#).

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

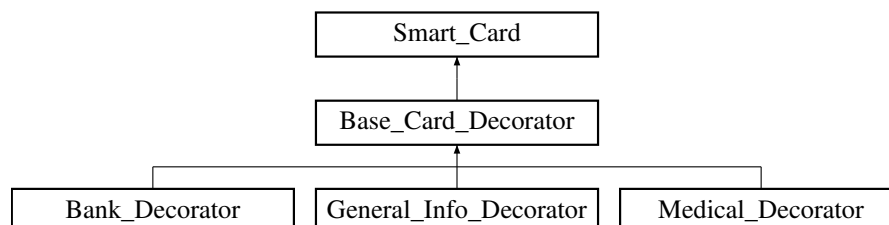
- [Bank_Decorator.h](#)

3.3 Base_Card_Decorator Class Reference

Just simple decorator.

```
#include <base_decorator.h>
```

Inheritance diagram for Base_Card_Decorator:



Public Member Functions

- **Base_Card_Decorator** ([Smart_Card](#) *s)
- virtual std::string **get_general_information** () override
- virtual std::string **get_medical_information** () override
- virtual std::string **get_bank_information** () override

Public Attributes

- [Smart_Card](#) * **wrappee**

3.3.1 Detailed Description

Just simple decorator.

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

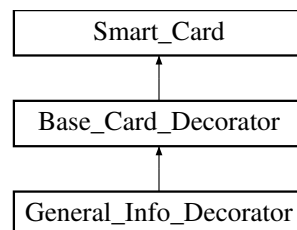
- `base_decorator.h`

3.4 General_Info_Decorator Class Reference

Decorator of Info.

```
#include <General_Info_Decorator.h>
```

Inheritance diagram for General_Info_Decorator:



Public Member Functions

- `std::string` [get_general_information](#) () override
- **General_Info_Decorator** ([Smart_Card](#) *s)

Additional Inherited Members

3.4.1 Detailed Description

Decorator of Info.

3.4.2 Member Function Documentation

3.4.2.1 get_general_information()

```
std::string General_Info_Decorator::get_general_information ( ) [inline], [override], [virtual]
```

gives u general information

Returns

Returns a string from name and date of birth

Reimplemented from [Base_Card_Decorator](#).

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

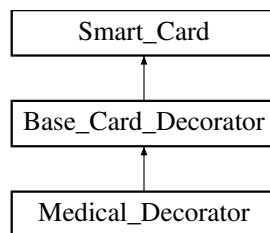
- General_Info_Decorator.h

3.5 Medical_Decorator Class Reference

Medical life.

```
#include <Medical_Decorator.h>
```

Inheritance diagram for Medical_Decorator:



Public Member Functions

- std::string [get_medical_information](#) () override
- void [get_blood_type](#) ()
- **Medical_Decorator** ([Smart_Card](#) *s)

Additional Inherited Members

3.5.1 Detailed Description

Medical life.

3.5.2 Member Function Documentation

3.5.2.1 get_blood_type()

```
void Medical_Decorator::get_blood_type ( ) [inline]
```

brief Gets blood type from base

3.5.2.2 get_medical_information()

```
std::string Medical_Decorator::get_medical_information ( ) [inline], [override], [virtual]
```

Medical info

Returns

Blood type and insurance

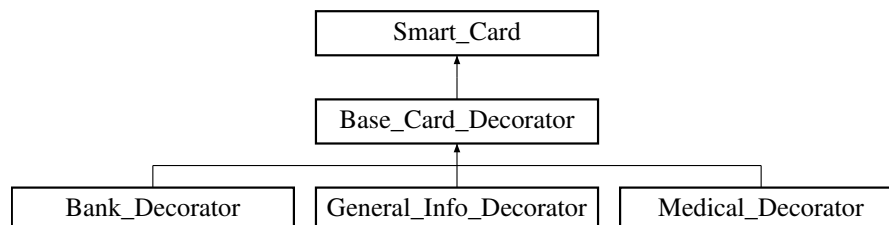
Reimplemented from [Base_Card_Decorator](#).

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

- Medical_Decorator.h

3.6 Smart_Card Class Reference

Inheritance diagram for Smart_Card:



Public Member Functions

- **Smart_Card** (int _id=0)
- const std::string **get_name** ()
- const std::string **get_date_of_birth** ()
- const std::string **get_taxes_number** ()
- const std::string **get_insurance** ()
- const std::string **get_bank_card_number** ()
- const std::string **get_driving_licence** ()
- virtual std::string **get_general_information** ()
- virtual std::string **get_medical_information** ()
- virtual std::string **get_bank_information** ()

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

- Smart_Card.h

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