Doxygen Demo

v1.0

Generated by Doxygen 1.8.13

Contents

1 Mainpage 1

2 API 3

3 Documentation 5

4 doxygen-demo 7

5 Class Index 9

5.1 Class List . . . 9

6 File Index 11

6.1 File List . . . 11

7 Class Documentation 13

7.1 Car Class Reference . . . 13

7.1.1 Detailed Description . . . 13

7.1.2 Constructor & Destructor Documentation . . . 13

7.1.2.1 Car() . . . 13

7.1.3 Member Function Documentation . . . 14

7.1.3.1 getCost() . . . 14

7.1.3.2 getMake() . . . 14

7.1.3.3 getModel() . . . 15

7.1.3.4 getYear() . . . 15

7.1.3.5 highClass() . . . 15

8 File Documentation 17

8.1 Car.cpp File Reference . . . 17

8.1.1 Detailed Description . . . 17

8.2 Car.h File Reference . . . 17

8.2.1 Detailed Description . . . 17

8.3 Main.cpp File Reference . . . 17

8.3.1 Detailed Description . . . 18

8.3.2 Function Documentation . . . 18

8.3.2.1 main() . . . 18

Index 19

Chapter 1

Mainpage

This is a simple example of a mainpage for a project.

Chapter 2

API

Commenting

- commenting should be done in QT style

```
/*!
 * this is an example multiline comment
 *
 * @return with javadoc style arguments
 */

 //! or a single line comment if you prefer
```

Chapter 3

Documentation

DE2Bot

Table	Header
Example	Style

Chapter 4

doxygen-demo

example of doxygen usage for my own purposes

ok so this is one of the pages

Chapter 5

Class Index

5.1 Class List

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

Car 13

Chapter 6

File Index

6.1 File List

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

Car.cpp 17
Car.h 17
Main.cpp 17

Chapter 7

Class Documentation

7.1 Car Class Reference

`#include <Car.h>`

Public Member Functions

- Car (string make, string model, int year, int cost)
- string getMake ()
- string getModel ()
- int getYear ()
- int getCost ()
- bool highClass ()

7.1.1 Detailed Description

represents a car with an make, model, year, and cost

Author

tlee753

Version

1.0

Definition at line 20 of file Car.h.

7.1.2 Constructor & Destructor Documentation

7.1.2.1 Car()

```
Car::Car (
            string make,
            string model,
            int year,
            int cost )
```

constructor

Parameters

make	the make of the car
model	the model of the car
year	the year the car was made
cost	the cost of the car

Definition at line 20 of file Car.cpp.

```
20                                                  {
21     this->make = make;
22     this->model = model;
23     this->year = year;
24     this->cost = cost;
25 }
```

7.1.3 Member Function Documentation

7.1.3.1 getCost()

```
int Car::getCost ( )
```

returns cost of car

Returns

cost of car

Definition at line 59 of file Car.cpp.

```
59                  {
60     return cost;
61 }
```

7.1.3.2 getMake()

```
string Car::getMake ( )
```

returns make of car

Returns

make of car

Definition at line 32 of file Car.cpp.

```
32                    {
33     return make;
34 }
```

7.1.3.3 getModel()

```
string Car::getModel ( )
```

returns model of car

Returns

model of car

Definition at line 41 of file Car.cpp.

```
41                      {
42     return model;
43 }
```

7.1.3.4 getYear()

```
int Car::getYear ( )
```

returns year car was made

Returns

year of car

Definition at line 50 of file Car.cpp.

```
50                  {
51     return year;
52 }
```

7.1.3.5 highClass()

```
bool Car::highClass ( )
```

tells whether or not the car is top quality

Returns

whether or not the car is high class

Definition at line 68 of file Car.cpp.

```
68                      {
69     return (cost > 100000);
70 }
```

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

- Car.h
- Car.cpp

Chapter 8

File Documentation

8.1 Car.cpp File Reference

```
#include <string>
#include "Car.h"
```

8.1.1 Detailed Description

contains function definitions for car class

8.2 Car.h File Reference

```
#include <string>
```

Classes

- class Car

8.2.1 Detailed Description

contains the header for the car class

8.3 Main.cpp File Reference

```
#include <iostream>
#include <string>
#include "Car.h"
```

Functions

- int main ()

8.3.1 Detailed Description

contains main function to run entire program

8.3.2 Function Documentation

8.3.2.1 main()

```
int main ( )
```

main function that runs the program

Returns

the program error code

Definition at line 18 of file Main.cpp.

```
19 {
20     cout << "Program Starting...\n";
21
22     Car mustang("Ford", "Mustang", 2010, 120000);
23     cout << mustang.highClass() << endl;
24
25     cout << "Program End.\n";
26     return 0;
27 }
```

Index

Car, 13
    Car, 13
    getCost, 14
    getMake, 14
    getModel, 14
    getYear, 15
    highClass, 15
Car.cpp, 17
Car.h, 17

getCost
    Car, 14
getMake
    Car, 14
getModel
    Car, 14
getYear
    Car, 15

highClass
    Car, 15

main
    Main.cpp, 18
Main.cpp, 17
    main, 18