zappy_gui

0.1.0

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

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std::exception
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Chapter 2

Class Index

2.1 Class List

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

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myLib::Clock 5
gui::Gui 6
gui::IClient 6
gui::IPlugin 6
gui::IRenderer 7
gui::KeyBoard 7
gui::Parser 8
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gui::PluginLoader::PluginLoaderException 9
myLib::Random 9
gui::RunTimeException 10
gui::SFML 10
gui::SFMLClient 11
myLib::Time 11

Chapter 3

Class Documentation

3.1 gui::Argument Class Reference

Public Member Functions

- **Argument** (const uint16_t p, std::string h)

Public Attributes

- const uint16_t **port**
- const std::string **hostName**

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

- include/GUI/Argument.hpp

3.2 myLib::Clock Class Reference

Public Member Functions

- void **restart** ()
- void **pause** ()
- void **resume** ()
- Time **getElapsedTime** () const

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

- lib/static/myLib/include/myLib/Clock/Clock.hpp

3.3 gui::Gui Class Reference

Public Member Functions

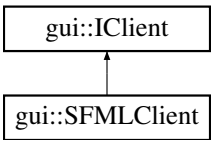
- **Gui** (const Argument &args)
- void **Run** ()
- std::unique_ptr< IRenderer > & **getRenderer** ()

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

- include/GUI/Gui.hpp

3.4 gui::IClient Class Reference

Inheritance diagram for gui::IClient:



Public Member Functions

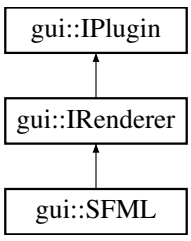
- virtual bool **connect** (uint16_t port, const std::string &machineName)=0
- virtual void **disconnect** ()=0
- virtual bool **sendCommand** (const std::string &cmd)=0
- virtual bool **getResponse** (const std::string &cmd)=0
- virtual std::string **getResponse** ()=0
- virtual bool **isConnected** ()=0

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

- include/GUI/Abstraction/IClient.hpp

3.5 gui::IPlugin Class Reference

Inheritance diagram for gui::IPlugin:



Public Member Functions

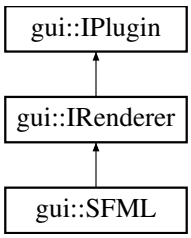
- virtual std::string **getPluginName** () const =0

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

- include/GUI/Abstraction/IPlugin.hpp

3.6 gui::IRenderer Class Reference

Inheritance diagram for gui::IRenderer:



Public Member Functions

- virtual void **setFPS** (unsigned int FPS)=0
- virtual IClient & **getClient** ()=0
- virtual bool **isRunning** ()=0
- virtual void **init** (const std::string &name, std::pair< const unsigned int, const unsigned int > resolution, unsigned int bitsPerPixel)=0
- virtual void **render** ()=0
- virtual KeyBoard::Key **getEvents** ()=0
- virtual void **close** ()=0

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

- include/GUI/Abstraction/IRenderer.hpp

3.7 gui::KeyBoard Class Reference

Public Types

- enum **Key** {
  NONE = -1 , **CLOSE** = 0 , **KEY_LEFT** = 1 , **KEY_RIGHT** = 2 ,
  KEY_UP = 3 , **KEY_DOWN** = 4 , **KEY_SPACE** = 5 , **KEY_ENTER** = 6 ,
  KEY_ESCAPE = 7 , **COUNT** = 8 }

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

- include/GUI/KeyBoard.hpp

3.8 gui::Parser Class Reference

Classes

- class ParserException

Static Public Member Functions

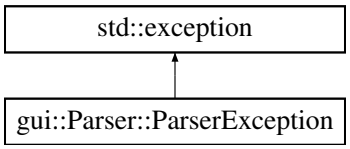
- static Argument **ParseArgs** (int argc, char ∗const argv[ ])
- static uint16_t **ParsePort** (const char ∗port)
- static std::string **ParseMachineName** (const char ∗machineName)

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

- include/GUI/Parser.hpp

3.9 gui::Parser::ParserException Class Reference

Inheritance diagram for gui::Parser::ParserException:



Public Member Functions

- **ParserException** (std::string msg)
- **ParserException** (const ParserException &)=delete
- ParserException & **operator=** (const ParserException &)=delete
- **ParserException** (const ParserException &&)=delete
- ParserException & **operator=** (const ParserException &&)=delete
- const char ∗ **what** () const noexcept override

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

- include/GUI/Parser.hpp

3.10 gui::PluginLoader Class Reference

Classes

- class PluginLoaderException

Public Types

- using **PluginCreator** = std::unique_ptr< IPlugin >(*)()

Public Member Functions

- template<typename T >
  std::unique_ptr< T > **getPlugin** (const std::string &pluginName)
- void **closePlugins** ()

Static Public Member Functions

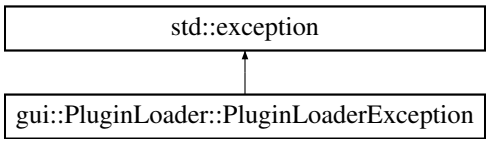
- static PluginLoader & **getInstance** ()

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

- include/GUI/PluginLoader.hpp

3.11 gui::PluginLoader::PluginLoaderException Class Reference

Inheritance diagram for gui::PluginLoader::PluginLoaderException:



Public Member Functions

- **PluginLoaderException** (std::string msg)
- const char * **what** () const noexcept override

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

- include/GUI/PluginLoader.hpp

3.12 myLib::Random Class Reference

Static Public Member Functions

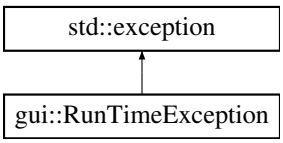
- static int **randomInt** (int min, int max)
- static int **randomInt** ()
- static float **randomFloat** (float min, float max)
- static float **randomFloat** ()

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

- lib/static/myLib/include/myLib/Random.hpp

3.13 gui::RunTimeException Class Reference

Inheritance diagram for gui::RunTimeException:



Public Member Functions

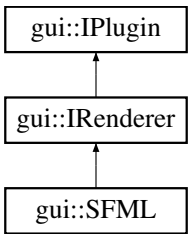
- **RunTimeException** (std::string msg)
- **RunTimeException** (const RunTimeException &)=delete
- RunTimeException & **operator=** (const RunTimeException &)=delete
- **RunTimeException** (const RunTimeException &&)=delete
- RunTimeException & **operator=** (const RunTimeException &&)=delete
- const char ∗ **what** () const noexcept override

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

- include/GUI/RunTimeException.hpp

3.14 gui::SFML Class Reference

Inheritance diagram for gui::SFML:



Public Member Functions

- void **setFPS** (const unsigned int FPS) override
- std::string **getPluginName** () const override
- IClient & **getClient** () override
- KeyBoard::Key **getEvents** () override
- bool **isRunning** () override
- void **init** (const std::string &name, std::pair< const unsigned int, const unsigned int > resolution, const unsigned int bitsPerPixel) override
- void **close** () override
- void **render** () override
- bool **checkConnection** (sf::Clock clock)

Static Public Member Functions

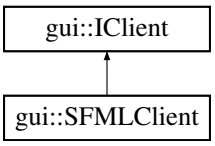
- static KeyBoard::Key **getKeyboardEvent** (const sf::Event &event)

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

- lib/shared/Renderer/SFML/include/GUI/SFML.hpp

3.15 gui::SFMLClient Class Reference

Inheritance diagram for gui::SFMLClient:



Public Member Functions

- bool **connect** (uint16_t port, const std::string &machineName) override
- void **disconnect** () override
- bool **sendCommand** (const std::string &cmd) override
- bool **getResponse** (const std::string &cmd) override
- std::string **getResponse** () override
- bool **isConnected** () override

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

- lib/shared/Renderer/SFML/include/GUI/SFMLClient.hpp

3.16 myLib::Time Class Reference

Public Member Functions

- **Time** (const double seconds)
- int **asSeconds** () const
- int **asMilliseconds** () const
- int **asMicroseconds** () const

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

- lib/static/myLib/include/myLib/Clock/Time.hpp

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