zappy_gui

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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
  gui::Parser::ParserException . . . 8
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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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gui::Arguments 5
myLib::Clock 6
gui::Gui 6
gui::IClient 6
gui::IPlugin 7
gui::IRenderer 7
gui::Parser 8
gui::Parser::ParserException 8
gui::PluginLoader 9
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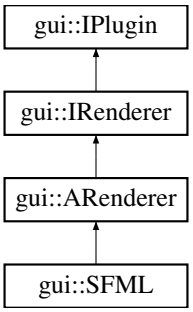
myLib::Random 10
gui::RunTimeException 10
gui::SFML 11
gui::SFMLClient 11
myLib::Time 12

Chapter 3

Class Documentation

3.1 gui::ARenderer Class Reference

Inheritance diagram for gui::ARenderer:



Public Member Functions

- void **setName** (const std::string &name) override
- void **setResolution** (const std::pair< unsigned int, unsigned int > &resolution) override
- void **setFramerate** (const unsigned int framerate) override
- const std::string & **getName** () const override
- const std::pair< unsigned int, unsigned int > & **getResolution** () const override
- const unsigned int & **getFramerate** () const override

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

- include/GUI/Abstraction/ARenderer.hpp

3.2 gui::Arguments Struct Reference

Public Member Functions

- **Arguments** (uint16_t port, std::string machineName)

Public Attributes

- const uint16_t **m_port**
- const std::string **m_machineName**

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

- include/GUI/Parser.hpp

3.3 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

3.4 gui::Gui Class Reference

Public Member Functions

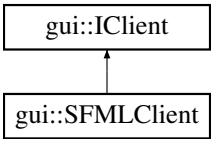
- **Gui** (const Arguments &args)
- void **Run** ()

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

- include/GUI/Gui.hpp

3.5 gui::IClient Class Reference

Inheritance diagram for gui::IClient:



Public Member Functions

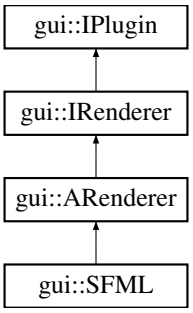
- virtual void **connect** (uint16_t port, const std::string &machineName)=0
- virtual bool **sendCommand** (const std::string &cmd)=0
- virtual bool **receiveCommand** (const std::string &cmd)=0
- virtual std::string **getResponse** ()=0

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

- include/GUI/Abstraction/IClient.hpp

3.6 gui::IPlugin Class Reference

Inheritance diagram for gui::IPlugin:



Public Member Functions

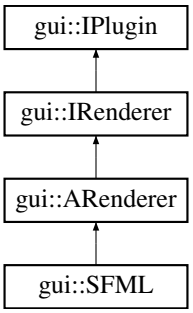
- virtual std::string **getPluginName** () const =0

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

- include/GUI/Abstraction/IPlugin.hpp

3.7 gui::IRenderer Class Reference

Inheritance diagram for gui::IRenderer:



Public Member Functions

- virtual void **setName** (const std::string &name)=0
- virtual void **setResolution** (const std::pair< unsigned int, unsigned int > &resolution)=0
- virtual void **setFramerate** (unsigned int framerate)=0
- virtual const std::string & **getName** () const =0
- virtual const std::pair< unsigned int, unsigned int > & **getResolution** () const =0
- virtual const unsigned int & **getFramerate** () const =0
- virtual IClient & **getClient** ()=0
- virtual void **render** ()=0
- virtual void **handleEvents** ()=0

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

- include/GUI/Abstraction/IRenderer.hpp

3.8 gui::Parser Class Reference

Classes

- class ParserException

Static Public Member Functions

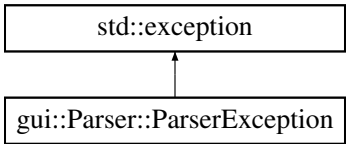
- static Arguments **ParseArgs** (int argc, char *const argv[])
- static uint16_t **ParsePort** (const char *port)
- static std::string **ParseMachineName** (const char *machineName)

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

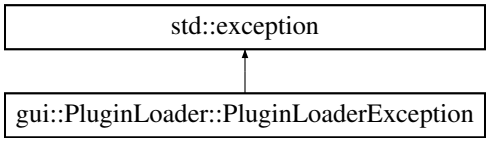
- static PluginLoader & **getInstance** ()

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

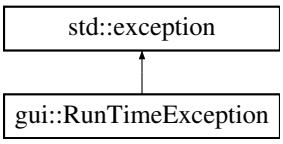
- static int **randomInt** (int min, int max)
- static int **randomInt** ()
- static float **randomFloat** (float min, float max)
- static float **randomFloat** ()

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

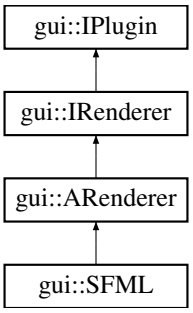
- **RunTimeException** (std::string msg)
- **RunTimeException** (const RunTimeException &)=delete
- RunTimeException & **operator=** (const RunTimeException &)=delete
- **RunTimeException** (const RunTimeException &&)=delete
- RunTimeException & **operator=** (const RunTimeException &&)=delete
- const 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

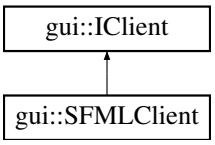
- std::string **getPluginName** () const override
- IClient & **getClient** () override
- void **render** () override
- void **handleEvents** () override

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

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