## TankGame

Generated by Doxygen 1.8.13

## **Contents**

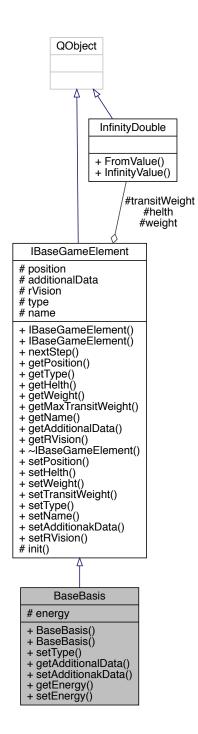
## 1 Class Documentation

## 1.1 BaseBasis Class Reference

Inheritance diagram for BaseBasis:



### Collaboration diagram for BaseBasis:



## **Public Member Functions**

- BaseBasis ( GameElementData &data)
- virtual void **setType** (int value) override
- virtual QByteArray \* getAdditionalData () const
- virtual void setAdditionakData (QByteArray \*data) override
- virtual int getEnergy () const

- virtual void setEnergy (int \_enery)
- virtual void nextStep ()
- virtual QVector3D \* getPosition () const
- virtual int getType () const
- virtual InfinityDouble \* getHelth () const
- virtual InfinityDouble \* getWeight () const
- virtual InfinityDouble \* getMaxTransitWeight () const
- virtual QString getName () const
- virtual int getRVision () const
- virtual void setPosition (QVector3D \*value)
- virtual void setHelth ( InfinityDouble \*value)
- virtual void setWeight ( InfinityDouble \*value)
- virtual void setTransitWeight (InfinityDouble \*value)
- virtual void **setName** (QString name)
- virtual void setRVision (int rVison)

#### **Protected Member Functions**

· virtual void init ( GameElementData &data)

## **Protected Attributes**

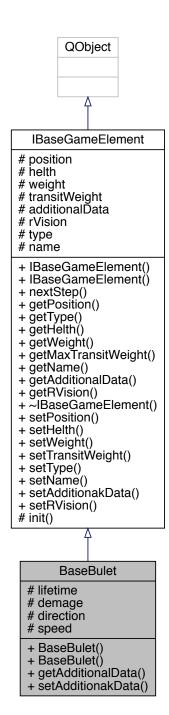
- int **energy** = 100
- QVector3D \* position = nullptr
- InfinityDouble \* helth = nullptr
- InfinityDouble \* weight = nullptr
- InfinityDouble \* transitWeight = nullptr
- QByteArray \* additionalData = nullptr
- int rVision = 1
- int **type** = -1
- QString name

## 1.1.1 Detailed Description

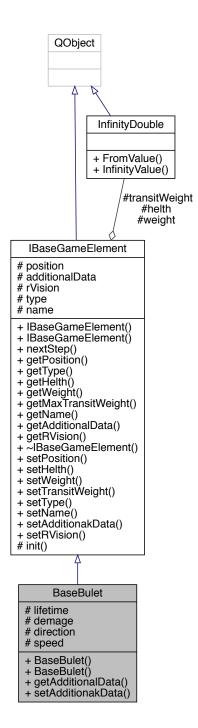
- · Core/GameElements/basebasis.h
- Core/GameElements/basebasis.cpp

## 1.2 BaseBulet Class Reference

Inheritance diagram for BaseBulet:



Collaboration diagram for BaseBulet:



## **Public Member Functions**

- BaseBulet ( GameElementData &data)
- QByteArray \* getAdditionalData () const
- void setAdditionakData (QByteArray \*data) override
- virtual void **nextStep** ()
- virtual QVector3D \* getPosition () const

- virtual int getType () const
- virtual InfinityDouble \* getHelth () const
- virtual InfinityDouble \* getWeight () const
- virtual InfinityDouble \* getMaxTransitWeight () const
- virtual QString getName () const
- · virtual int getRVision () const
- virtual void setPosition (QVector3D \*value)
- virtual void setHelth ( InfinityDouble \*value)
- virtual void setWeight (InfinityDouble \*value)
- virtual void setTransitWeight (InfinityDouble \*value)
- virtual void setType (int value)
- virtual void **setName** (QString name)
- virtual void setRVision (int \_rVison)

#### **Protected Member Functions**

· virtual void init ( GameElementData &data)

#### **Protected Attributes**

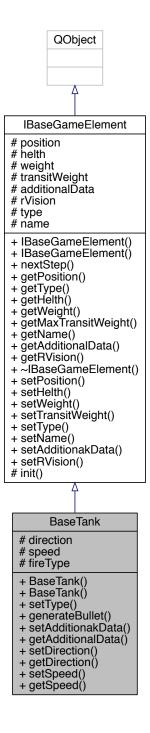
- int **lifetime** = 0
- double demage = 0
- · double direction
- double speed
- QVector3D \* **position** = nullptr
- InfinityDouble \* helth = nullptr
- InfinityDouble \* weight = nullptr
- InfinityDouble \* transitWeight = nullptr
- QByteArray \* additionalData = nullptr
- int **rVision** = 1
- int **type** = -1
- · QString name

#### 1.2.1 Detailed Description

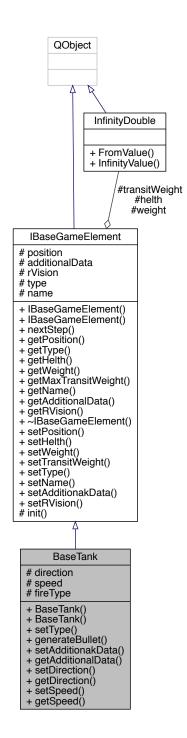
- · Core/GameElements/basebulet.h
- Core/GameElements/basebulet.cpp

## 1.3 BaseTank Class Reference

Inheritance diagram for BaseTank:



### Collaboration diagram for BaseTank:



## **Public Member Functions**

- BaseTank ( GameElementData &data)
- virtual void **setType** (int value) override
- virtual BaseBulet generateBullet () const
- virtual void setAdditionakData (QByteArray \*data) override
- virtual QByteArray \* getAdditionalData () const

- virtual void setDirection (double \_direction)
- virtual double getDirection () const
- virtual void setSpeed (double speed)
- · virtual double getSpeed () const
- virtual void nextStep ()
- virtual QVector3D \* getPosition () const
- virtual int getType () const
- virtual InfinityDouble \* getHelth () const
- virtual InfinityDouble \* getWeight () const
- virtual InfinityDouble \* getMaxTransitWeight () const
- virtual QString getName () const
- · virtual int getRVision () const
- virtual void setPosition (QVector3D \*value)
- virtual void setHelth ( InfinityDouble \*value)
- virtual void setWeight (InfinityDouble \*value)
- virtual void setTransitWeight (InfinityDouble \*value)
- virtual void **setName** (QString name)
- virtual void setRVision (int rVison)

#### **Protected Member Functions**

virtual void init ( GameElementData &data)

## **Protected Attributes**

- double direction = 0
- double speed = 0
- int fireType = 0

fireType 0 for non fire -1 for single fire if fireType > 0 then fire will be call evry fireType tik of game

- QVector3D \* position = nullptr
- InfinityDouble \* helth = nullptr
- InfinityDouble \* weight = nullptr
- InfinityDouble \* transitWeight = nullptr
- QByteArray \* additionalData = nullptr
- int rVision = 1
- int **type** = -1
- QString name

#### 1.3.1 Detailed Description

- · Core/GameElements/basetank.h
- Core/GameElements/basetank.cpp

## 1.4 Core Class Reference

Collaboration diagram for Core:

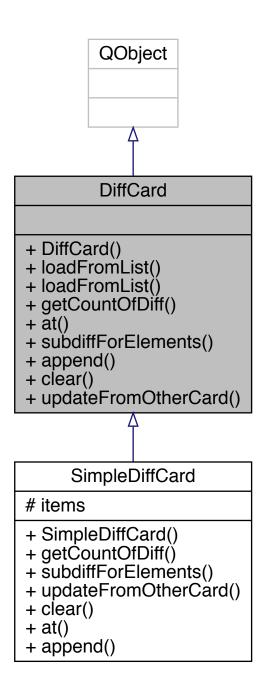


## 1.4.1 Detailed Description

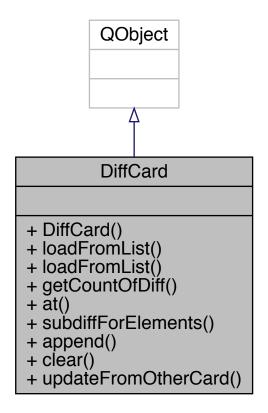
- · Core/core.h
- Core/core.cpp

## 1.5 DiffCard Class Reference

Inheritance diagram for DiffCard:



### Collaboration diagram for DiffCard:



#### **Public Member Functions**

- **DiffCard** (QObject \*parent=0)
- virtual void loadFromList (QList< DiffElement \*> &newItems)
- virtual void loadFromList (QList< DiffElement \*> \*newItems)
- virtual int **getCountOfDiff** ()=0
- virtual **DiffElement** \* at (int i)=0
- virtual DiffCard \* subdiffForElements (QList< IBaseGameElement \*> items)=0
- virtual void append ( DiffElement \*diff)=0
- virtual void clear ()=0
- virtual void updateFromOtherCard ( DiffCard \*card)=0

#### 1.5.1 Detailed Description

- · Core/diffs/diffcard.h
- Core/diffs/diffcard.cpp

## 1.6 DiffElement Class Reference

Collaboration diagram for DiffElement:



**Public Member Functions** 

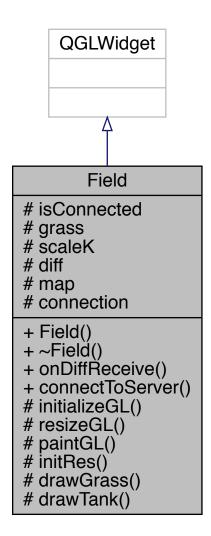
• DiffElement (eDiffType type, IBaseGameElement \*data)

Public Attributes
eDiffType type
IBaseGameElement * data
• uint64_t <b>time</b>
Friends
riieius
<ul> <li>QDataStream &amp; operator&lt;&lt; (QDataStream &amp; stream, const DiffElement &amp; myclass)</li> </ul>
<ul> <li>QDataStream &amp; operator&gt;&gt; (QDataStream &amp; stream, DiffElement &amp; myclass)</li> </ul>
1.6.1 Detailed Description
The documentation for this class was generated from the following files:
The documentation for this diass was generated from the following files.
Core/diffs/diffelement.h
Core/diffs/diffelement.cpp

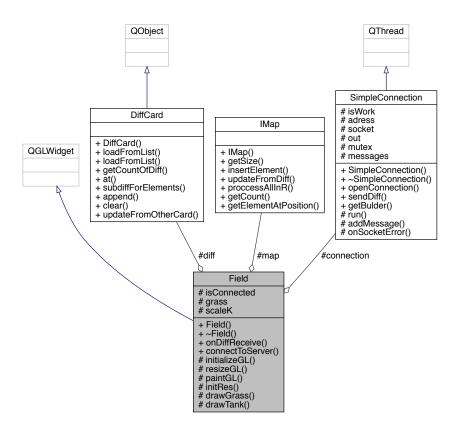
1.7 Field Class Reference 15

## 1.7 Field Class Reference

Inheritance diagram for Field:



#### Collaboration diagram for Field:



## **Public Slots**

- void onDiffReceive (QList< DiffElement \*> \*diff)
- void connectToServer ()

## **Public Member Functions**

• Field (QWidget \*parent=0)

## **Protected Member Functions**

- void initializeGL () Q\_DECL\_OVERRIDE
- void resizeGL (int w, int h) Q\_DECL\_OVERRIDE
- void paintGL () Q DECL OVERRIDE
- void initRes ()
- void drawGrass (float x, float y)
- void drawTank (float x, float y)

#### **Protected Attributes**

- bool isConnected = false
- GLuint grass
- float scaleK = 0.02
- DiffCard \* diff
- IMap \* map
- · SimpleConnection connection

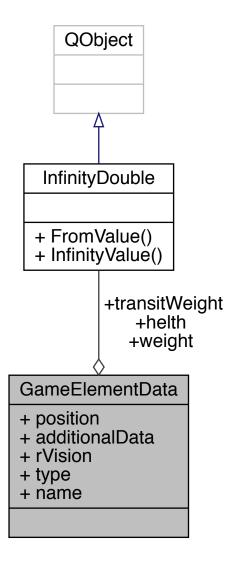
## 1.7.1 Detailed Description

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

- · GameView/field.h
- · GameView/field.cpp

## 1.8 GameElementData Struct Reference

Collaboration diagram for GameElementData:



#### **Public Attributes**

```
• QVector3D * position = new QVector3D(0, 0, 0)
```

- InfinityDouble \* helth = InfinityDouble::FromValue(1)
- **InfinityDouble** \* **weight** = InfinityDouble::FromValue(0)
- InfinityDouble \* transitWeight = InfinityDouble::FromValue(0)
- QByteArray \* additionalData = new QByteArray()
- qint32 rVision = 1
- qint32 **type** = -1
- QString name = ""

#### 1.8.1 Detailed Description

#### 1.8.2 Member Data Documentation

#### 1.8.2.1 additionalData

```
QByteArray* GameElementData::additionalData = new QByteArray()
```

#### 1.8.2.2 helth

```
InfinityDouble* GameElementData::helth = InfinityDouble::FromValue(1)
```

#### 1.8.2.3 name

```
QString GameElementData::name = ""
```

## 1.8.2.4 position

```
QVector3D* GameElementData::position = new QVector3D(0, 0, 0)
```

## 1.8.2.5 rVision

```
qint32 GameElementData::rVision = 1
```

## 1.8.2.6 transitWeight

```
\textbf{InfinityDouble*} \ \ \textbf{GameElementData::} transitWeight = InfinityDouble::FromValue (0)
```

## 1.8.2.7 type

```
qint32 GameElementData::type = -1
```

## 1.8.2.8 weight

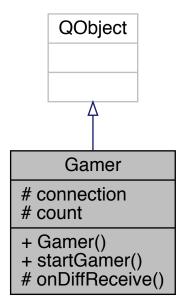
```
InfinityDouble* GameElementData::weight = InfinityDouble::FromValue(0)
```

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

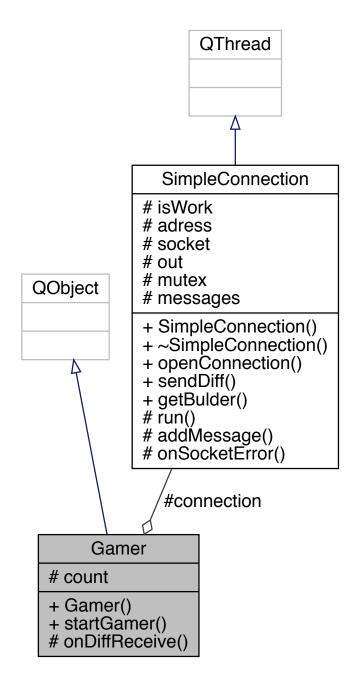
· Core/ibasegameelement.h

## 1.9 Gamer Class Reference

Inheritance diagram for Gamer:



Collaboration diagram for Gamer:



## **Public Member Functions**

- Gamer (QObject \*parent=0)
- void startGamer ()

## **Protected Slots**

• void onDiffReceive (QList< DiffElement \*>\*)

#### **Protected Attributes**

- · SimpleConnection connection
- int **count** = 0

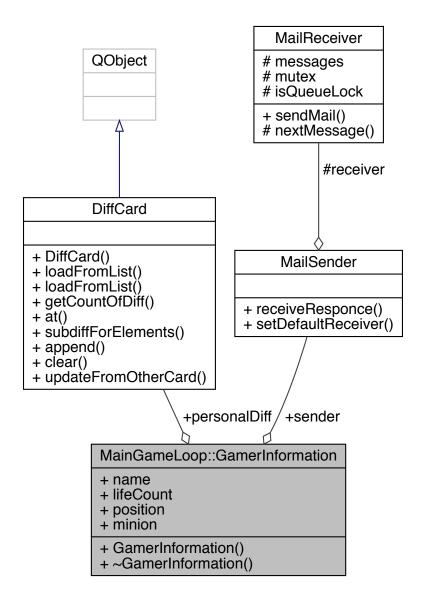
## 1.9.1 Detailed Description

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

- · simpleGamer/gamer.h
- simpleGamer/gamer.cpp

## 1.10 MainGameLoop::GamerInformation Class Reference

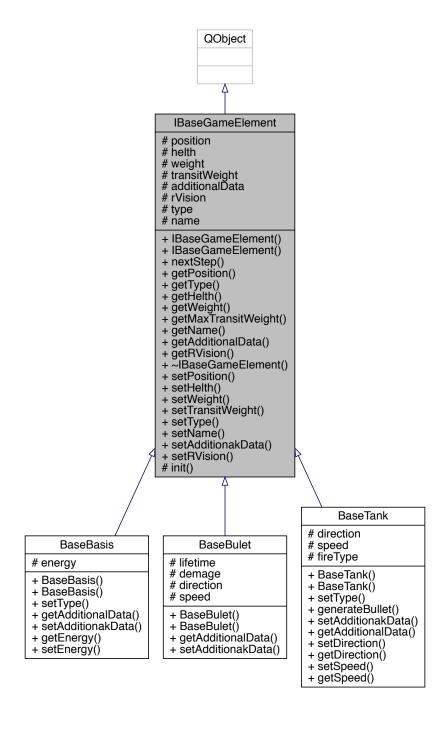
Collaboration diagram for MainGameLoop::GamerInformation:



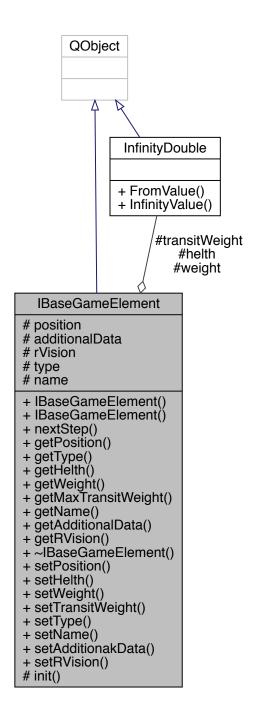
Public Member Functions			
GamerInformation ( IMap *map)			
Public Attributes			
QString name			
• uint64_t lifeCount			
QVector3D position			
MailSender * sender			
• QList< IBaseGameElement * > * minion			
DiffCard * personalDiff			
1.10.1 Detailed Description			
The documentation for this class was generated from the following files:			
Server/maingameloop.h			
Server/maingameloop.rp			

## 1.11 IBaseGameElement Class Reference

Inheritance diagram for IBaseGameElement:



Collaboration diagram for IBaseGameElement:



## **Public Member Functions**

- IBaseGameElement ( GameElementData &data)
- virtual void nextStep ()
- virtual QVector3D \* getPosition () const
- virtual int getType () const
- virtual InfinityDouble \* getHelth () const

- virtual InfinityDouble \* getWeight () const
- virtual InfinityDouble \* getMaxTransitWeight () const
- virtual QString getName () const
- virtual QByteArray \* getAdditionalData () const
- · virtual int getRVision () const
- virtual void setPosition (QVector3D \*value)
- virtual void setHelth ( InfinityDouble \*value)
- virtual void setWeight (InfinityDouble \*value)
- virtual void setTransitWeight (InfinityDouble \*value)
- virtual void **setType** (int value)
- virtual void **setName** (QString name)
- virtual void setAdditionakData (QByteArray \*data)
- virtual void setRVision (int \_rVison)

#### **Protected Member Functions**

· virtual void init ( GameElementData &data)

#### **Protected Attributes**

- QVector3D \* position = nullptr
- InfinityDouble \* helth = nullptr
- InfinityDouble \* weight = nullptr
- InfinityDouble \* transitWeight = nullptr
- QByteArray \* additionalData = nullptr
- int rVision = 1
- int **type** = -1
- · QString name

## Friends

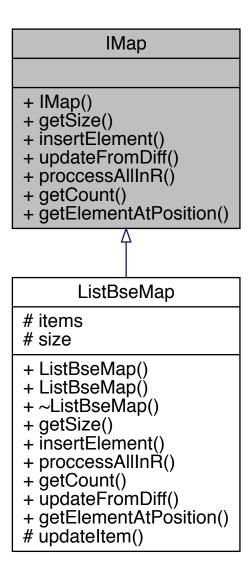
• QDataStream & operator << (QDataStream & stream, const | IBaseGameElement & myclass)

## 1.11.1 Detailed Description

- · Core/ibasegameelement.h
- · Core/ibasegameelement.cpp

## 1.12 IMap Class Reference

Inheritance diagram for IMap:



Collaboration diagram for IMap:

# IMap

- + IMap()
- + getSize()
- + insertElement()
- + updateFromDiff()
- + proccessAllInR()
- + getCount()
- + getElementAtPosition()

#### **Public Member Functions**

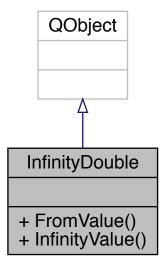
- virtual QSizeF \* getSize ()=0
- virtual void insertElement ( IBaseGameElement \*element)=0
- virtual void updateFromDiff ( DiffCard \*diff)=0
- virtual void proccessAllInR ( IBaseGameElement \*element, double r, mapOperator)=0
- virtual int **getCount** ()=0
- virtual IBaseGameElement \* getElementAtPosition (int pos)=0

## 1.12.1 Detailed Description

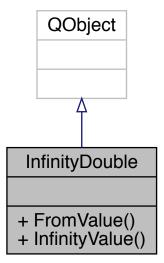
- · Core/imap.h
- · Core/imap.cpp

## 1.13 InfinityDouble Class Reference

Inheritance diagram for InfinityDouble:



Collaboration diagram for InfinityDouble:



**Static Public Member Functions** 

- static InfinityDouble \* FromValue (double w)
- static InfinityDouble \* InfinityValue ()

#### Friends

- QDataStream & operator<< (QDataStream & stream, const InfinityDouble & myclass)</li>
- QDataStream & operator>> (QDataStream & stream, InfinityDouble & myclass)

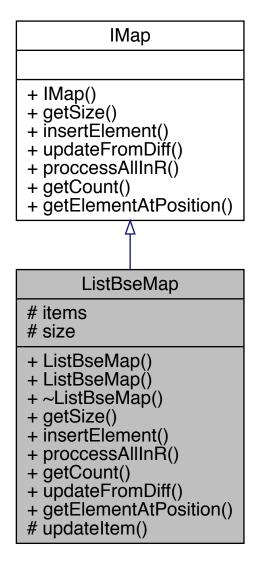
## 1.13.1 Detailed Description

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

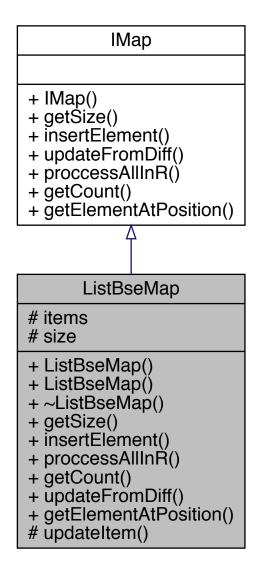
- · Core/infinitydouble.h
- · Core/infinitydouble.cpp

## 1.14 ListBseMap Class Reference

Inheritance diagram for ListBseMap:



Collaboration diagram for ListBseMap:



## **Public Member Functions**

- ListBseMap (double width, double heigth)
- virtual QSizeF \* getSize ()
- · virtual void insertElement ( IBaseGameElement \*element)
- virtual void proccessAllInR ( IBaseGameElement \*element, double r, mapOperator op)
- virtual int getCount ()
- virtual void updateFromDiff ( DiffCard \*diff)
- IBaseGameElement \* getElementAtPosition (int pos)

#### **Protected Member Functions**

• void **updateItem** ( **IBaseGameElement** \*gameEleement, bool isReplace=true) updateItem update items in map

## **Protected Attributes**

- QList< IBaseGameElement \* > \* items
- QSizeF \* size
- 1.14.1 Detailed Description
- 1.14.2 Member Function Documentation

## 1.14.2.1 updateltem()

updateItem update items in map

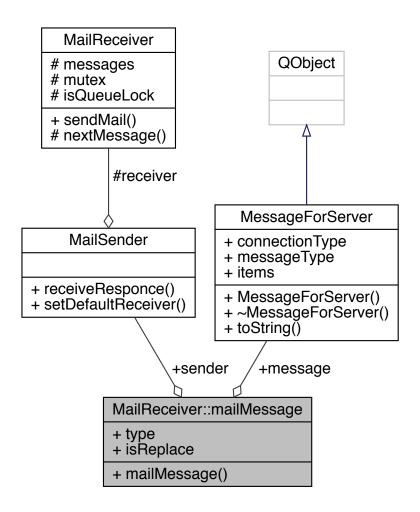
#### **Parameters**

gameEleement	element with information for update	
isReplace	if true than replace old item with . Otherway delete from map list	

- · Core/maps/listbsemap.h
- Core/maps/listbsemap.cpp

## 1.15 MailReceiver::mailMessage Class Reference

Collaboration diagram for MailReceiver::mailMessage:



#### **Public Member Functions**

• mailMessage ( MessageForServer \*message, MailSender \*sender, int type, bool isReplace=true)

## **Public Attributes**

- MessageForServer \* message
- MailSender \* sender
- int type
- bool isReplace

#### Friends

QDebug operator<< (QDebug debug, const mailMessage &c)</li>

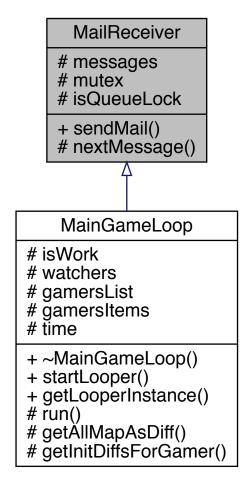
#### 1.15.1 Detailed Description

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

- · Core/connection/mailboxelement.h
- · Core/connection/mailboxelement.cpp

## 1.16 MailReceiver Class Reference

Inheritance diagram for MailReceiver:



Collaboration diagram for MailReceiver:

# # messages # mutex # isQueueLock + sendMail() # nextMessage()

#### Classes

· class mailMessage

#### **Public Member Functions**

 $\bullet \ \ \text{virtual void } \textbf{sendMail} \ ( \ \textbf{MessageForServer} * \textbf{message}, \ \ \textbf{MailSender} * \textbf{sender}, \ \textbf{int type}, \ \textbf{bool isReplace=true}) \\$ 

#### **Protected Member Functions**

• virtual mailMessage \* nextMessage ()

## **Protected Attributes**

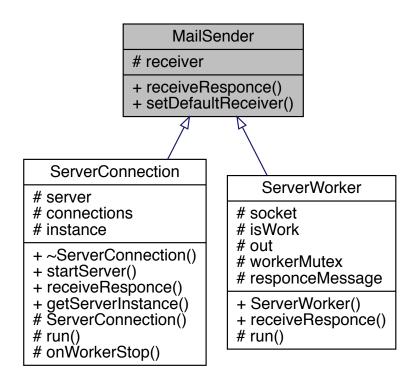
- QQueue< mailMessage \*> messages
- QMutex mutex
- volatile bool isQueueLock = false

## 1.16.1 Detailed Description

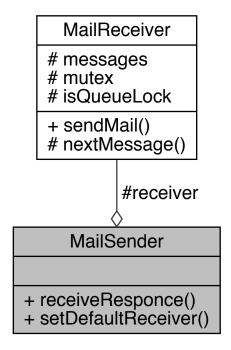
- · Core/connection/mailboxelement.h
- Core/connection/mailboxelement.cpp

## 1.17 MailSender Class Reference

Inheritance diagram for MailSender:



Collaboration diagram for MailSender:



# **Public Member Functions**

- virtual void receiveResponce ( DiffCard \*diff, MessageForServer \*message)=0
- virtual void setDefaultReceiver ( MailReceiver \*receiver)

#### **Protected Attributes**

• MailReceiver \* receiver

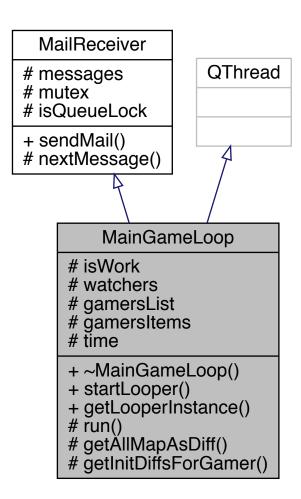
# 1.17.1 Detailed Description

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

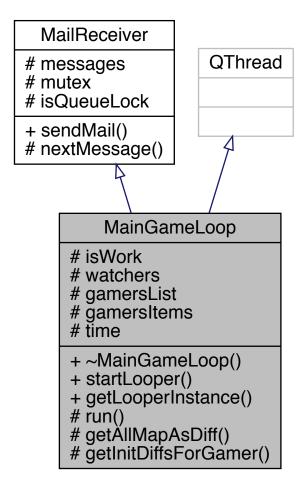
· Core/connection/mailboxelement.h

# 1.18 MainGameLoop Class Reference

Inheritance diagram for MainGameLoop:



Collaboration diagram for MainGameLoop:



# Classes

- · class GamerInformation
- · class WathcerInformation

#### **Public Member Functions**

- void startLooper ()
- virtual void **sendMail** ( **MessageForServer** \*message, **MailSender** \*sender, int type, bool isReplace=true)

# **Static Public Member Functions**

• static MainGameLoop \* getLooperInstance ()

#### **Protected Member Functions**

- void run ()
- DiffCard \* getAllMapAsDiff ()
- QList< DiffElement \* > \* getInitDiffsForGamer ( BaseBasis \*basis)
- virtual mailMessage \* nextMessage ()

#### **Protected Attributes**

- bool isWork = true
- QList< WathcerInformation \* > watchers
- QList< GamerInformation \*> gamersList

gamersList

- QList< QList< IBaseGameElement \*> \*> gamersItems
   gamersItems
- uint64\_t time
- QQueue< mailMessage \* > messages
- QMutex mutex
- volatile bool isQueueLock = false
- 1.18.1 Detailed Description
- 1.18.2 Member Data Documentation

# 1.18.2.1 gamersItems

```
QList<QList< IBaseGameElement*>*> MainGameLoop::gamersItems [protected]
```

#### gamersItems

list of gamer object; Each list represent game element of each gamer; firs element of each gamer object is basis

# 1.18.2.2 gamersList

```
QList< GamerInformation*> MainGameLoop::gamersList [protected]
```

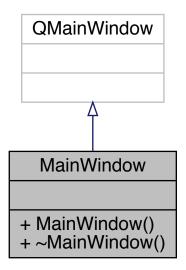
gamersList

list of client as gamers

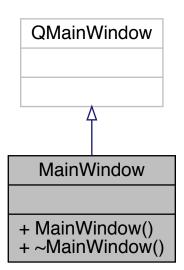
- · Server/maingameloop.h
- Server/maingameloop.cpp

# 1.19 MainWindow Class Reference

Inheritance diagram for MainWindow:



Collaboration diagram for MainWindow:



**Public Member Functions** 

• MainWindow (QWidget \*parent=0)

# 1.19.1 Detailed Description

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

- · GameView/mainwindow.h
- · GameView/mainwindow.cpp

#### **MapIniter Class Reference** 1.20

Collaboration diagram for MapIniter:

# MapIniter

- + MapIniter() + initSimapleMap() # getRandomGrass()

**Public Member Functions** 

IMap \* initSimapleMap ()

**Protected Member Functions** 

• IBaseGameElement \* getRandomGrass (double maxWidth, double maxHeigth)

# 1.20.1 Detailed Description

- · Server/mapiniter.h
- Server/mapiniter.cpp

#### 1.21 SimpleConnection::MessageBuilder Class Reference

Collaboration diagram for SimpleConnection::MessageBuilder:

# SimpleConnection::Message Builder

- + asFirstMessage() + addNewItem() + updateWatcher()

- + build()

# **Public Member Functions**

- MessageBuilder \* asFirstMessage (eConnectionType type)
- **MessageBuilder** \* addNewItem (QList< IBaseGameElement \*> \*newEleements)
- MessageBuilder \* updateWatcher ()
- · void build ()

#### **Friends**

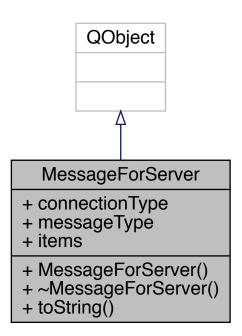
· class SimpleConnection

# 1.21.1 Detailed Description

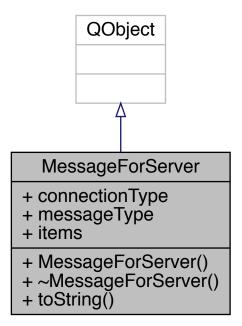
- · Core/connection/simpleconnection.h
- Core/connection/simpleconnection.cpp

# 1.22 MessageForServer Class Reference

Inheritance diagram for MessageForServer:



Collaboration diagram for MessageForServer:



# **Public Member Functions**

· QString toString ()

#### **Public Attributes**

- eConnectionType connectionType
- eMessageType messageType
- QList< IBaseGameElement \* > \* items

# Friends

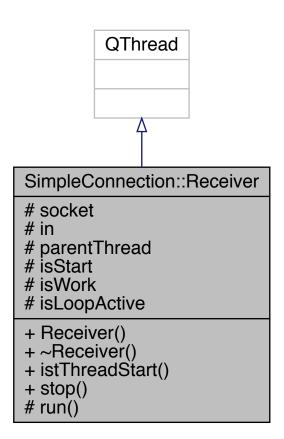
- QDataStream & operator<< (QDataStream &stream, const MessageForServer &myclass)</li>
- QDataStream & operator>> (QDataStream &stream, MessageForServer &myclass)
- QDebug operator<< (QDebug debug, MessageForServer &c)</li>

# 1.22.1 Detailed Description

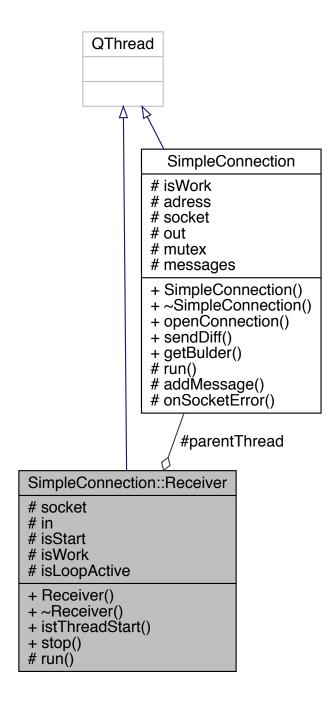
- · Core/connection/simpleconnection.h
- Core/connection/simpleconnection.cpp

# 1.23 SimpleConnection::Receiver Class Reference

Inheritance diagram for SimpleConnection::Receiver:



Collaboration diagram for SimpleConnection::Receiver:



## **Public Member Functions**

- Receiver (QTcpSocket \*socket, SimpleConnection \*parentThread, QObject \*parent=0)
- bool istThreadStart ()
- void stop ()

# **Protected Member Functions**

• void run ()

#### **Protected Attributes**

- QTcpSocket \* socket
- QDataStream \* in
- SimpleConnection \* parentThread
- volatile bool isStart = false
- volatile bool isWork = true
- volatile bool isLoopActive = false

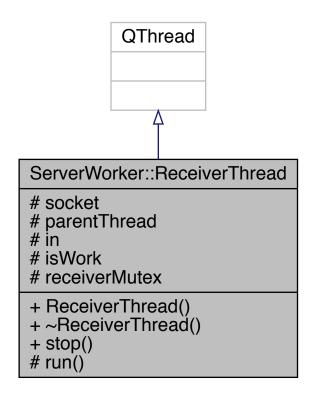
# 1.23.1 Detailed Description

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

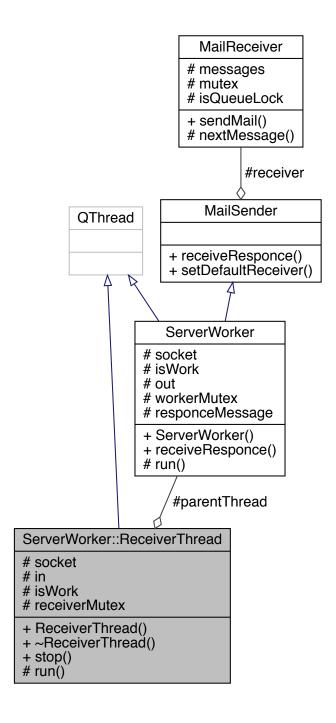
- · Core/connection/simpleconnection.h
- Core/connection/simpleconnection.cpp

# 1.24 ServerWorker::ReceiverThread Class Reference

Inheritance diagram for ServerWorker::ReceiverThread:



Collaboration diagram for ServerWorker::ReceiverThread:



# **Public Member Functions**

- ReceiverThread ( ServerWorker \*parent, QTcpSocket \*socket)
- void stop ()

# **Protected Member Functions**

• void run ()

#### **Protected Attributes**

- QTcpSocket \* socket
- ServerWorker \* parentThread
- QDataStream \* in
- bool isWork = true
- QMutex receiverMutex

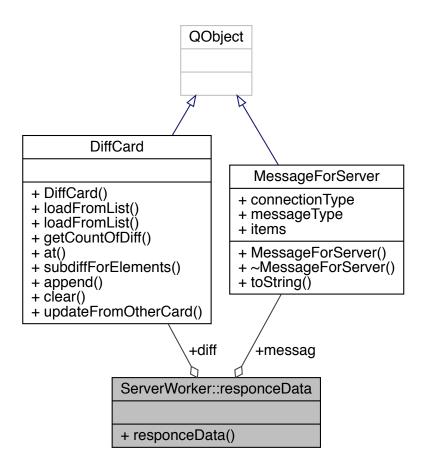
# 1.24.1 Detailed Description

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

- · Server/serverworker.h
- Server/serverworker.cpp

# 1.25 ServerWorker::responceData Struct Reference

Collaboration diagram for ServerWorker::responceData:



**Public Member Functions** 

responceData ( DiffCard \*\_diff, MessageForServer \*\_messag)

**Public Attributes** 

- DiffCard \* diff
- MessageForServer \* messag

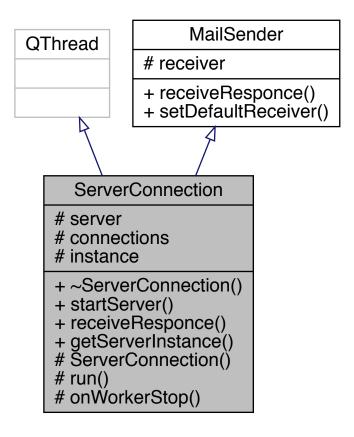
# 1.25.1 Detailed Description

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

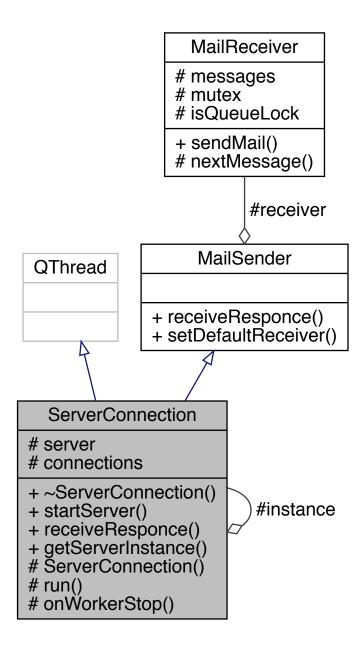
· Server/serverworker.h

# 1.26 ServerConnection Class Reference

Inheritance diagram for ServerConnection:



Collaboration diagram for ServerConnection:



# Signals

• void **onServerError** (serverError error)

# **Public Member Functions**

- void startServer ()
- void receiveResponce ( DiffCard \*diff, MessageForServer \*message)
- virtual void setDefaultReceiver ( MailReceiver \*receiver)

• static ServerConnection \* getServerInstance ()

# **Protected Slots**

void onWorkerStop ( ServerWorker \*worker)

#### **Protected Member Functions**

• void run ()

# **Protected Attributes**

- QTcpServer \* server
- QList< ServerWorker \* > \* connections
- MailReceiver \* receiver

# **Static Protected Attributes**

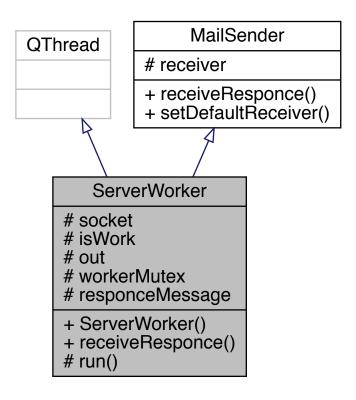
• static **ServerConnection** \* **instance** = nullptr

# 1.26.1 Detailed Description

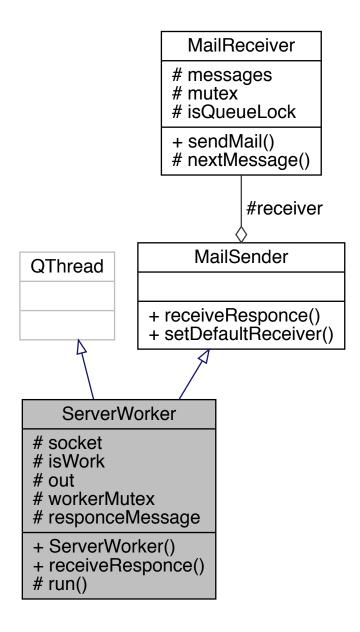
- · Server/serverconnection.h
- Server/serverconnection.cpp

# 1.27 ServerWorker Class Reference

Inheritance diagram for ServerWorker:



Collaboration diagram for ServerWorker:



# Classes

- · class ReceiverThread
- struct responceData

# Signals

void onStop ( ServerWorker \*worker)

**Public Member Functions** 

- ServerWorker (QTcpSocket \*socket)
- void receiveResponce ( DiffCard \*diff, MessageForServer \*message)
- virtual void setDefaultReceiver ( MailReceiver \*receiver)

**Protected Member Functions** 

• void run ()

**Protected Attributes** 

- QTcpSocket \* socket
- volatile bool isWork = true
- QDataStream \* out
- QMutex workerMutex
- $\bullet \ \ \mathsf{QQueue} < \ \mathbf{responceData} > \mathbf{responceMessage}$
- MailReceiver \* receiver

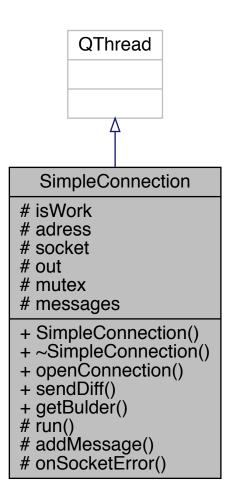
Friends

- · class receiveRespnceThread
- 1.27.1 Detailed Description

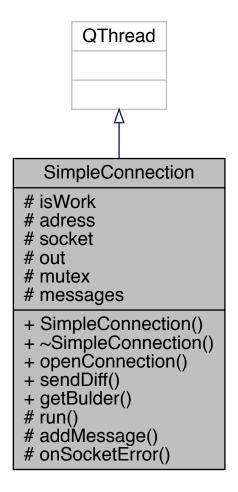
- · Server/serverworker.h
- Server/serverworker.cpp

# 1.28 SimpleConnection Class Reference

Inheritance diagram for SimpleConnection:



Collaboration diagram for SimpleConnection:



#### Classes

- class MessageBuilder
- · class Receiver

# **Signals**

void onDiffReceive (QList< DiffElement \*> \*diffs)

#### **Public Member Functions**

- SimpleConnection (QHostAddress adress, QObject \*parent=0)
- void openConnection ()
- void sendDiff (QList< DiffElement \*> \*diffs)
- MessageBuilder \* getBulder ()

Protected Slots	
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• void **onSocketError** (QAbstractSocket::SocketError error)

**Protected Member Functions** 

- void run ()
- void addMessage ( MessageBuilder \*messages)

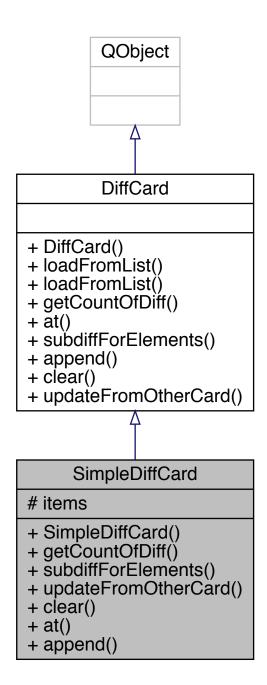
**Protected Attributes** 

- volatile bool isWork = true
- QHostAddress adress
- QTcpSocket \* socket
- QDataStream \* out
- QMutex mutex
- QQueue< MessageForServer \* > messages
- 1.28.1 Detailed Description

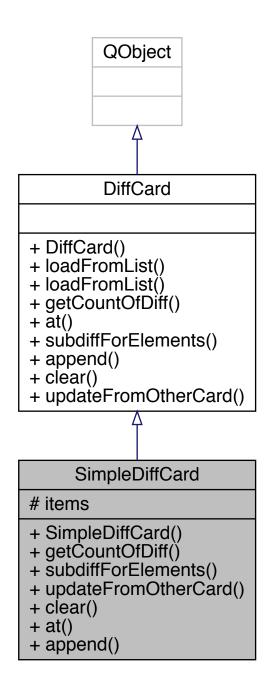
- · Core/connection/simpleconnection.h
- Core/connection/simpleconnection.cpp

# 1.29 SimpleDiffCard Class Reference

Inheritance diagram for SimpleDiffCard:



Collaboration diagram for SimpleDiffCard:



### **Public Member Functions**

- virtual int getCountOfDiff ()
- virtual DiffCard \* subdiffForElements (QList< IBaseGameElement \*> items)
- virtual void updateFromOtherCard ( DiffCard \*card)
- virtual void clear ()
- virtual DiffElement \* at (int i)

- virtual void append ( DiffElement \*diff)
- virtual void loadFromList (QList< DiffElement \*> &newItems)
- virtual void loadFromList (QList< DiffElement \*> \*newItems)

#### **Protected Attributes**

QList< DiffElement \* > items

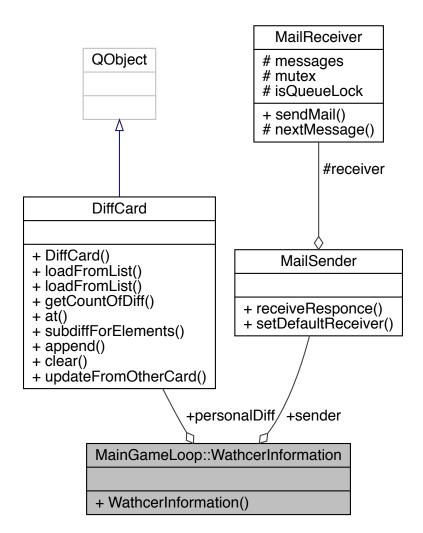
#### 1.29.1 Detailed Description

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

- · Core/diffs/simplediffcard.h
- · Core/diffs/simplediffcard.cpp

#### 1.30 MainGameLoop::WathcerInformation Class Reference

Collaboration diagram for MainGameLoop::WathcerInformation:



# **Public Attributes**

- MailSender \* sender
- DiffCard \* personalDiff

# 1.30.1 Detailed Description

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

• Server/maingameloop.h