JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/SimpleServer.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-files/index-1.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/simplenlg/server/SimpleClient.html)
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simplenlg.server

## Class SimpleServer

* java.lang.Object
  + simplenlg.server.SimpleServer

All Implemented Interfaces: java.lang.Runnable

* public class SimpleServer  
  extends java.lang.Object  
  implements java.lang.Runnable  
  SimpleServer is a program that realises xml requests.Author: Roman Kutlak The program listens on a socket for client connections. When a client connects, the server creates an instance of RealisationRequest that serves the client. The RealisationRequest parses the xml structure and sends back corresponding surface string. The server port can be specified as the first parameter of the program; 50007 is used by default. Typing exit will terminate the server.

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**SimpleServer**](http://docs.google.com/simplenlg/server/SimpleServer.html#SimpleServer(int))(int port) Construct a new server. |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [**exit**](http://docs.google.com/simplenlg/server/SimpleServer.html#exit())() Exit the program without error. |
| * + void | * + [**exit**](http://docs.google.com/simplenlg/server/SimpleServer.html#exit(int))(int code) Exit the program signalling an error code. |
| * + static void | * + [**main**](http://docs.google.com/simplenlg/server/SimpleServer.html#main(java.lang.String[]))(java.lang.String[] args) The main method that starts the server. |
| * + void | * + [**run**](http://docs.google.com/simplenlg/server/SimpleServer.html#run())() Start the server. |
| * + void | * + [**shutdown**](http://docs.google.com/simplenlg/server/SimpleServer.html#shutdown())() Perform shutdown routines. |
| * + void | * + [**terminate**](http://docs.google.com/simplenlg/server/SimpleServer.html#terminate())() Terminate the server. |

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Constructor Detail

#### SimpleServer public SimpleServer(int port) throws java.io.IOException Construct a new server.Parameters:port - the port on which to listen Throws: java.io.IOException

### Method Detail

#### terminate public void terminate() Terminate the server. The server can be started again by invoking the run() method.

#### run public void run() Start the server. The server will listen on the port specified at construction until terminated by calling the terminate() method. Note that the exit() and exit(int) methods will terminate the program by calling System.exit().**Specified by:** run in interface java.lang.Runnable

#### shutdown public void shutdown() Perform shutdown routines.

#### exit public void exit() Exit the program without error.

#### exit public void exit(int code) Exit the program signalling an error code.Parameters:code - Error code; 0 means no error

#### main public static void main(java.lang.String[] args) The main method that starts the server. The program takes one optional parameter, which is the port number on which to listen. The default value is 50007. Once the program starts, it can be terminated by typing the command 'exit'Parameters:args - Program arguments

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