CopyDog

1.0

Sat Jul 26 2014 04:06:48

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1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

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Chapter 3

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3.1 Class List

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

Chapter 4

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Chapter 5

Namespace Documentation

5.1 PythonParser Namespace Reference

Functions

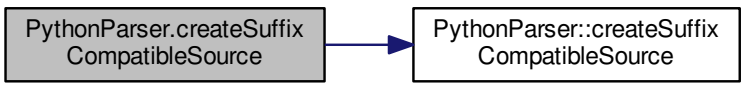
- def parseAndStripWhiteSpaceComments
- def createSuffixCompatibleSource
- def getPlainText

5.1.1 Function Documentation

5.1.1.1 def PythonParser.createSuffixCompatibleSource (*code*)

Definition at line 90 of file PythonParser.py.

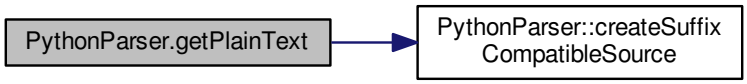
Here is the call graph for this function:



5.1.1.2 def PythonParser.getPlainText (*programCode*, *suffixCode*)

Definition at line 124 of file PythonParser.py.

Here is the call graph for this function:



5.1.1.3 def PythonParser.parseAndStripWhiteSpaceComments (*code*)

Definition at line 28 of file PythonParser.py.

5.2 Unparse Namespace Reference

Classes

- class Unparser

Functions

- def interleave
- def roundtrip
- def testdir
- def main

Variables

- string INFSTR = "1e"

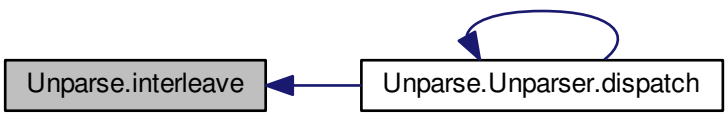
5.2.1 Function Documentation

5.2.1.1 def Unparse.interleave (*inter, f, seq*)

```
Call f on each item in seq, calling inter() in between.
```

Definition at line 20 of file Unparse.py.

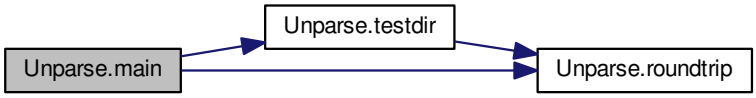
Here is the caller graph for this function:



5.2.1.2 def Unparse.main (*args*)

Definition at line 609 of file Unparse.py.

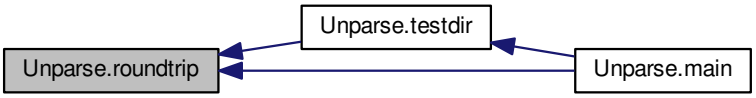
Here is the call graph for this function:



5.2.1.3 def Unparse.roundtrip (*filename*, *output* = `sys.stdout`)

Definition at line 583 of file Unparse.py.

Here is the caller graph for this function:



5.2.1.4 def Unparse.testdir (*a*)

Definition at line 591 of file Unparse.py.

Here is the call graph for this function:

Here is the caller graph for this function:

5.2.2 Variable Documentation

5.2.2.1 string Unparse.INFSTR = "1e"

Definition at line 18 of file Unparse.py.

Chapter 6

Class Documentation

6.1 FileBrowser Class Reference

`#include <FileBrowser.h>`

Public Member Functions

- FileBrowser ()
- void browseFile (BrowsingType, LanguageType=ePython)

  Based on the parameters, opens up file browser capable of handling files of particular type and by differnt browsing modes.
- PlagiarismDetails getPlagiarismDetails ()
- std::vector< std::string > getFileList ()

6.1.1 Detailed Description

Definition at line 16 of file FileBrowser.h.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 FileBrowser::FileBrowser ( )

Definition at line 3 of file FileBrowser.cpp.

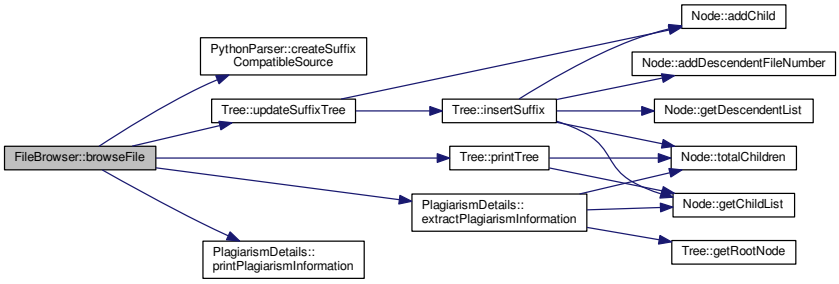
6.1.3 Member Function Documentation

6.1.3.1 void FileBrowser::browseFile (BrowsingType *browsingType,* LanguageType *language* = ePython)

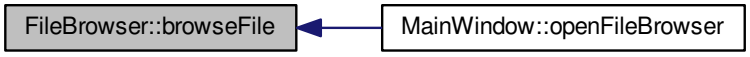
Based on the parameters, opens up file browser capable of handling files of particular type and by differnt browsing modes.

Definition at line 12 of file FileBrowser.cpp.

Here is the call graph for this function:



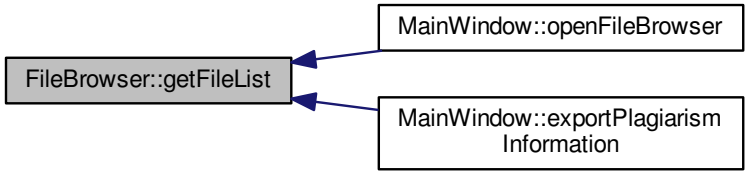
Here is the caller graph for this function:



6.1.3.2 std::vector<std::string> FileBrowser::getFileList ( ) [inline]

Definition at line 22 of file FileBrowser.h.

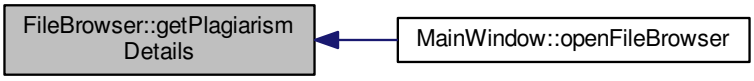
Here is the caller graph for this function:



6.1.3.3 PlagiarismDetails FileBrowser::getPlagiarismDetails ( ) [inline]

Definition at line 21 of file FileBrowser.h.

Here is the caller graph for this function:

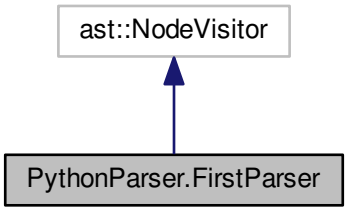


The documentation for this class was generated from the following files:

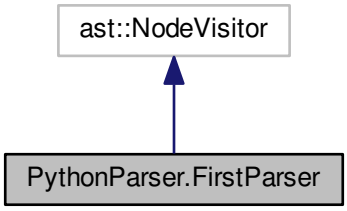
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/FileBrowser.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/FileBrowser.cpp

6.2 PythonParser.FirstParser Class Reference

Inheritance diagram for PythonParser.FirstParser:



Collaboration diagram for PythonParser.FirstParser:



Public Member Functions

- def __init__
- def visit_Name

6.2.1 Detailed Description

Definition at line 13 of file PythonParser.py.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 def PythonParser.FirstParser.__init__ (*self*)

Definition at line 15 of file PythonParser.py.

6.2.3 Member Function Documentation

6.2.3.1 def PythonParser.FirstParser.visit_Name (*self, node*)

Definition at line 18 of file PythonParser.py.

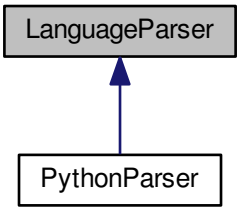
The documentation for this class was generated from the following file:

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/PythonParser.py

6.3 LanguageParser Class Reference

`#include <LanguageParser.h>`

Inheritance diagram for LanguageParser:



Public Member Functions

- LanguageParser ()
- virtual std::string createSuffixCompatibleSource (std::string inputSourceCode)=0

6.3.1 Detailed Description

Definition at line 6 of file LanguageParser.h.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 LanguageParser::LanguageParser ( )

Definition at line 3 of file LanguageParser.cpp.

6.3.3 Member Function Documentation

6.3.3.1 virtual std::string LanguageParser::createSuffixCompatibleSource (std::string *inputSourceCode*) [pure virtual]

Implemented in PythonParser.

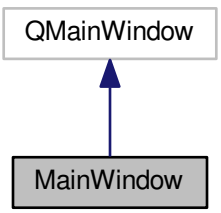
The documentation for this class was generated from the following files:

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/LanguageParser.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/LanguageParser.cpp

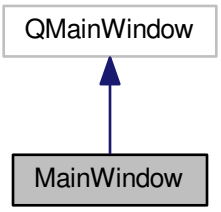
6.4 MainWindow Class Reference

`#include <MainWindow.h>`

Inheritance diagram for MainWindow:



Collaboration diagram for MainWindow:



Public Slots

- void openFileBrowser (unsigned int, unsigned int, unsigned int)

  Based on the selection in the UI, opens up file browser. Then constructs a Suffix tree from these files.
- void exportPlagiarismInformation ()

  Exports the plagiarsim information in the current folder. Exits the application then.

Public Member Functions

- MainWindow (QWidget ∗parent=0)
- ∼MainWindow ()

6.4.1 Detailed Description

Definition at line 15 of file MainWindow.h.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 MainWindow::MainWindow (QWidget ∗ *parent* = 0) [explicit]

Definition at line 4 of file MainWindow.cpp.

6.4.2.2 MainWindow::∼MainWindow ( )

Definition at line 190 of file MainWindow.cpp.

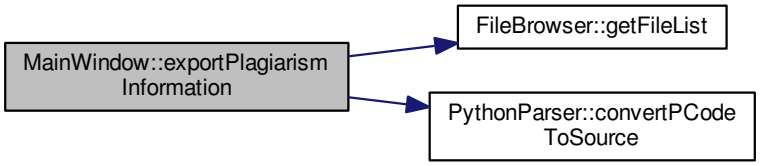
6.4.3 Member Function Documentation

6.4.3.1 void MainWindow::exportPlagiarismInformation ( ) [slot]

Exports the plagiarsim information in the current folder. Exits the application then.

Definition at line 114 of file MainWindow.cpp.

Here is the call graph for this function:

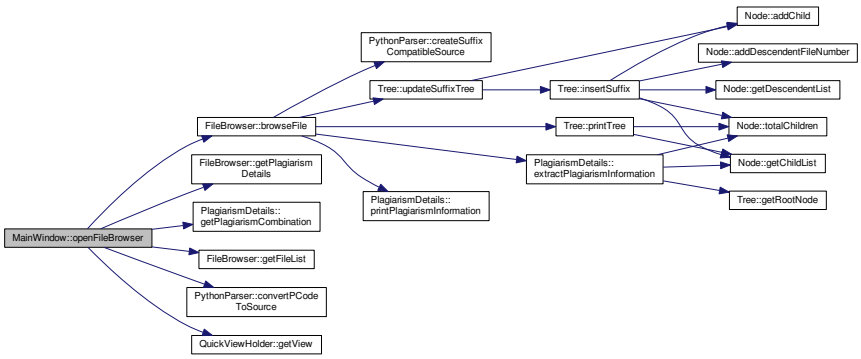


6.4.3.2 void MainWindow::openFileBrowser (unsigned int *languageChoice,* unsigned int *charactersToMatch,* unsigned int *fileSelectionChoice*) [slot]

Based on the selection in the UI, opens up file browser. Then constructs a Suffix tree from these files.

Definition at line 13 of file MainWindow.cpp.

Here is the call graph for this function:



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

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/MainWindow.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/MainWindow.cpp

6.5 Match Struct Reference

`#include <Match.h>`

Public Attributes

- int position
- matchType matchingType
- stringSuffixLengthMatchType lengthMatchType

6.5.1 Detailed Description

Definition at line 21 of file Match.h.

6.5.2 Member Data Documentation

6.5.2.1 stringSuffixLengthMatchType Match::lengthMatchType

Definition at line 25 of file Match.h.

6.5.2.2 matchType Match::matchingType

Definition at line 24 of file Match.h.

6.5.2.3 int Match::position

Definition at line 23 of file Match.h.

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

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/Match.h

6.6 Node Class Reference

`#include <Node.h>`

Public Member Functions

- Node (std::string suffix="\0", Node *parent=NULL, unsigned int fileNumber=-1)
- void addChild (Node *)
- void addDescendentFileNumber (unsigned int fileNumber)

  Adds the descendent file number to the descendents list.
- void trimAndAddSelfChild (unsigned int position, std::vector< unsigned int > inheritedFileNumberList)

  Trim a sub part of suffix string and add it as a child.
- unsigned int getSuffixLength ()
- std::string getSuffix ()
- void setSuffix (std::string)
- Match getMatchPosition (std::string)

  Returns the position at which match occurs. -2 : Complete match. -1 : No match at all.
- unsigned int totalChildren ()
- std::vector< Node * > & getChildList ()
- std::vector< unsigned int > & getDescendentList ()

6.6.1 Detailed Description

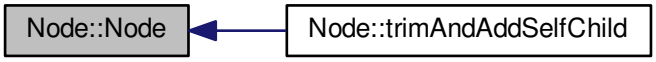
Definition at line 10 of file Node.h.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 Node::Node (std::string *suffix* = "\0", Node * *parent* = NULL, unsigned int *fileNumber* = -1)

Definition at line 3 of file Node.cpp.

Here is the caller graph for this function:

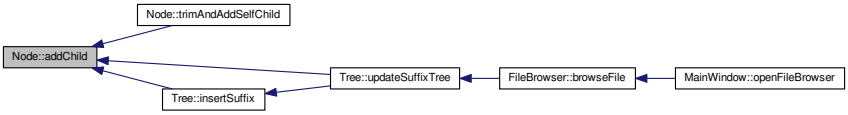


6.6.3 Member Function Documentation

6.6.3.1 void Node::addChild (Node * *child*)

Definition at line 10 of file Node.cpp.

Here is the caller graph for this function:

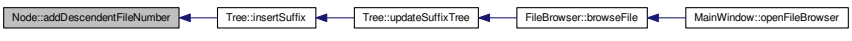


6.6.3.2 void Node::addDescendentFileNumber (unsigned int *fileNumber*)

Adds the descendent file number to the descendents list.

Definition at line 20 of file Node.cpp.

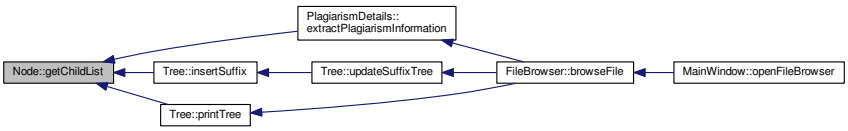
Here is the caller graph for this function:



6.6.3.3 std::vector<Node*>& Node::getChildList ( ) [inline]

Definition at line 24 of file Node.h.

Here is the caller graph for this function:



6.6.3.4 std::vector<unsigned int>& Node::getDescendentList ( ) [inline]

Definition at line 25 of file Node.h.

Here is the caller graph for this function:

6.6.3.5 Match Node::getMatchPosition (std::string *matchingString*)

Returns the position at which match occurs. -2 : Complete match. -1 : No match at all.

Definition at line 72 of file Node.cpp.

6.6.3.6 std::string Node::getSuffix ( )

Definition at line 58 of file Node.cpp.

6.6.3.7 unsigned int Node::getSuffixLength ( )

Definition at line 53 of file Node.cpp.

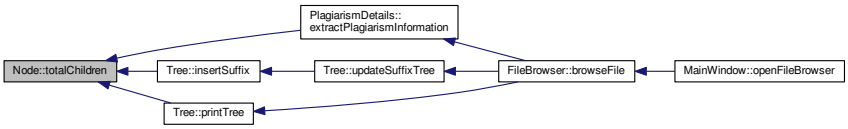
6.6.3.8 void Node::setSuffix (std::string *suffix*)

Definition at line 63 of file Node.cpp.

6.6.3.9 unsigned int Node::totalChildren ( ) [inline]

Definition at line 23 of file Node.h.

Here is the caller graph for this function:

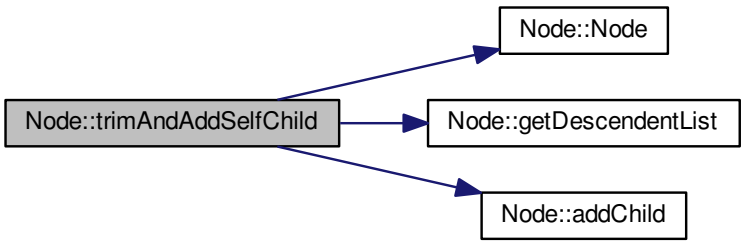


6.6.3.10 void Node::trimAndAddSelfChild (unsigned int *position*, std::vector< unsigned int > *inheritedFileNumberList*)

Trim a sub part of suffix string and add it as a child.

Definition at line 31 of file Node.cpp.

Here is the call graph for this function:



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

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/Node.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/Node.cpp

6.7 PlagiarismDetails Class Reference

`#include <PlagiarismDetails.h>`

Public Member Functions

- PlagiarismDetails ()
- void extractPlagiarismInformation ()

  Extracts the plagiarism information from the Suffox tree and stores it in a new data structure (Map with files copying as key and copied code as value)
- void printPlagiarismInformation ()

  Prints the plagiarism information on console. Enable the debug flag for printign to work.

- bool comparePlagirismInformation (std::vector< unsigned int >, std::string, std::vector< unsigned int >, std::string)
- std::map< std::vector < unsigned int >, std::string > getPlagiarismCombination ()

6.7.1 Detailed Description

Definition at line 14 of file PlagiarismDetails.h.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 PlagiarismDetails::PlagiarismDetails ( )

Definition at line 5 of file PlagiarismDetails.cpp.

6.7.3 Member Function Documentation

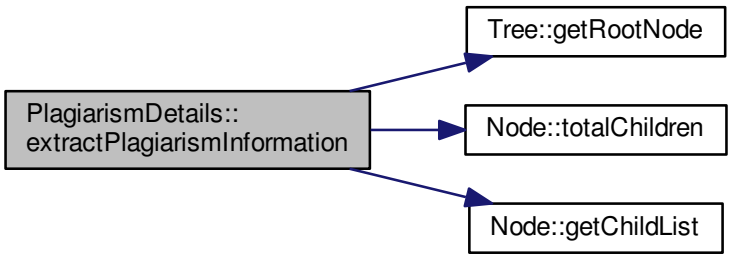
6.7.3.1 bool PlagiarismDetails::comparePlagirismInformation (std::vector< unsigned int >, std::string, std::vector< unsigned int >, std::string)

6.7.3.2 void PlagiarismDetails::extractPlagiarismInformation ( )

Extracts the plagiarism information from the Suffox tree and stores it in a new data structure (Map with files copying as key and copied code as value)

Definition at line 14 of file PlagiarismDetails.cpp.

Here is the call graph for this function:

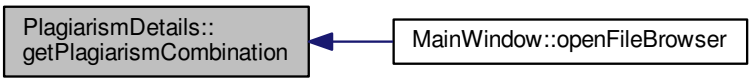


Here is the caller graph for this function:

6.7.3.3 std::map<std::vector<unsigned int>, std::string> PlagiarismDetails::getPlagiarismCombination ( ) [inline]

Definition at line 21 of file PlagiarismDetails.h.

Here is the caller graph for this function:

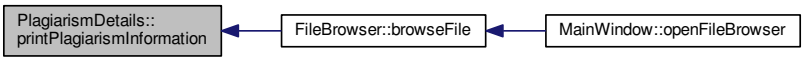


6.7.3.4 void PlagiarismDetails::printPlagiarismInformation ( )

Prints the plagiarism information on console. Enable the debug flag for printign to work.

Definition at line 57 of file PlagiarismDetails.cpp.

Here is the caller graph for this function:



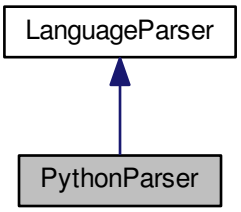
The documentation for this class was generated from the following files:

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/PlagiarismDetails.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/PlagiarismDetails.cpp

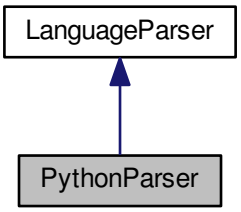
6.8 PythonParser Class Reference

`#include <PythonParser.h>`

Inheritance diagram for PythonParser:



Collaboration diagram for PythonParser:



Classes

- class FirstParser
- class StripWhiteSpaceParser

Public Member Functions

- PythonParser ()
- std::string createSuffixCompatibleSource (std::string inputSourceCode)

  Creates and instance to execute some Python code. Passes the source code, and then gets back the stripped down suffix compatible code.
- std::string convertPCodeToSource (std::string completeSourceCode, std::string inputPCode)

  Creates an instance for Python execution and converts the P-Code if Python to the Python code.

6.8.1 Detailed Description

Definition at line 8 of file PythonParser.h.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 PythonParser::PythonParser ( )

Definition at line 3 of file PythonParser.cpp.

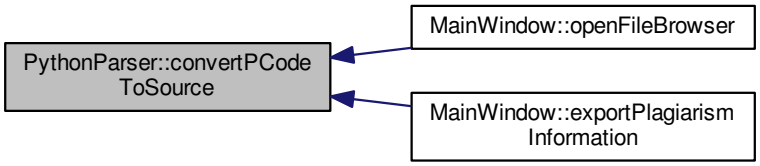
6.8.3 Member Function Documentation

6.8.3.1 std::string PythonParser::convertPCodeToSource (std::string *completeSourceCode,* std::string *inputPCode*)

Creates an instance for Python execution and converts the P-Code if Python to the Python code.

Definition at line 127 of file PythonParser.cpp.

Here is the caller graph for this function:



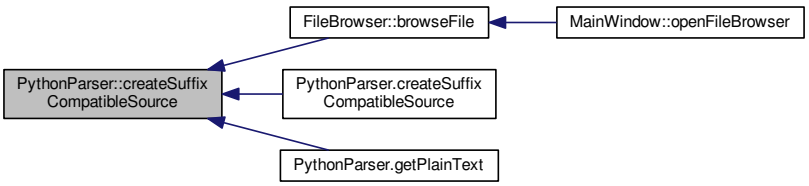
6.8.3.2 std::string PythonParser::createSuffixCompatibleSource (std::string *inputSourceCode*) [virtual]

Creates and instance to execute some Python code. Passes the source code, and then gets back the stripped down suffix compatible code.

Implements LanguageParser.

Definition at line 11 of file PythonParser.cpp.

Here is the caller graph for this function:



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

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/PythonParser.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/PythonParser.cpp

6.9 QuickViewHolder Class Reference

`#include <QuickViewHolder.h>`

Public Member Functions

- QuickViewHolder ()
- QQuickItem * getView ()
- void setView (QQuickItem *tempView)

6.9.1 Detailed Description

Definition at line 6 of file QuickViewHolder.h.

6.9.2 Constructor & Destructor Documentation

6.9.2.1 QuickViewHolder::QuickViewHolder ( )

Definition at line 3 of file QuickViewHolder.cpp.

6.9.3 Member Function Documentation

6.9.3.1 QQuickItem* QuickViewHolder::getView ( ) [inline]

Definition at line 10 of file QuickViewHolder.h.

Here is the caller graph for this function:

6.9.3.2 void QuickViewHolder::setView (QQuickItem * *tempView*) [inline]

Definition at line 11 of file QuickViewHolder.h.

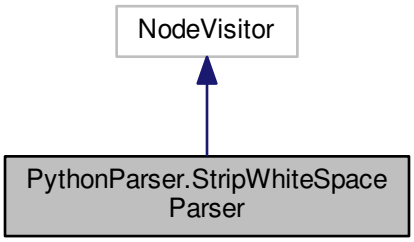
Here is the caller graph for this function:

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

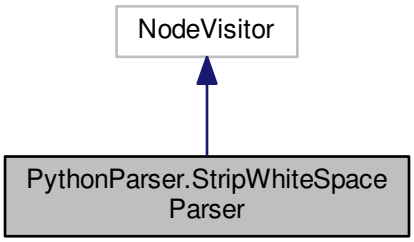
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/QuickViewHolder.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/QuickViewHolder.cpp

6.10 PythonParser.StripWhiteSpaceParser Class Reference

Inheritance diagram for PythonParser.StripWhiteSpaceParser:



Collaboration diagram for PythonParser.StripWhiteSpaceParser:



Public Member Functions

- def __init__

6.10.1 Detailed Description

Definition at line 22 of file PythonParser.py.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 def PythonParser.StripWhiteSpaceParser.__init__ (*self*)

Definition at line 24 of file PythonParser.py.

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

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/PythonParser.py

6.11 Tree Class Reference

`#include <Tree.h>`

Public Member Functions

- Tree ()
- void updateSuffixTree (std::string sourceCode)

  Creates a new node based on the given source code and adds it to the Suffix tree.
- void insertSuffix (Node *nodeToInsertAt, std::string suffix, unsigned int fileNumber)

  Inserts a given suffix at a node.
- void printTree ()

  Prints Suffix tree information. Enable the debug mode for printf to work.
- Node * getRootNode ()

6.11.1 Detailed Description

Definition at line 14 of file Tree.h.

6.11.2 Constructor & Destructor Documentation

6.11.2.1 Tree::Tree ( )

Definition at line 3 of file Tree.cpp.

6.11.3 Member Function Documentation

6.11.3.1 Node* Tree::getRootNode ( ) [inline]

Definition at line 23 of file Tree.h.

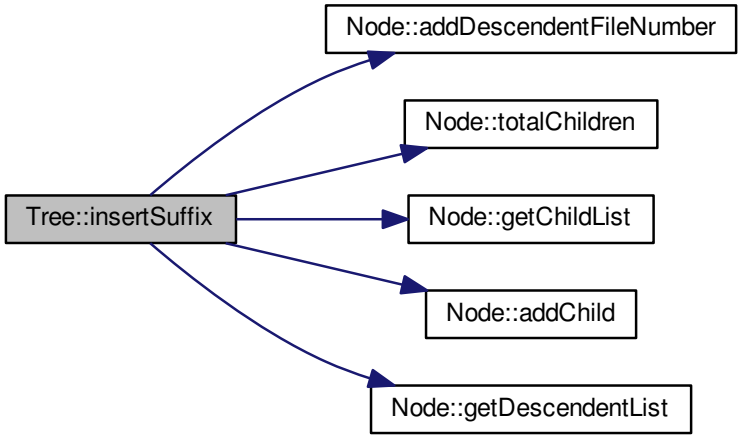
Here is the caller graph for this function:

6.11.3.2 void Tree::insertSuffix (Node * *nodeToInsertAt,* std::string *suffix,* unsigned int *fileNumber*)

Inserts a given suffix at a node.

Definition at line 31 of file Tree.cpp.

Here is the call graph for this function:



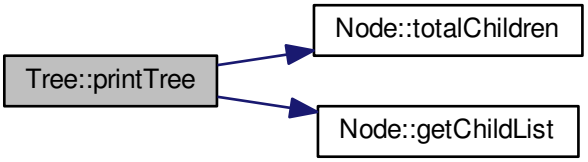
Here is the caller graph for this function:

6.11.3.3 void Tree::printTree ( )

Prints Suffix tree information. Enable the debug mode for printf to work.

Definition at line 120 of file Tree.cpp.

Here is the call graph for this function:



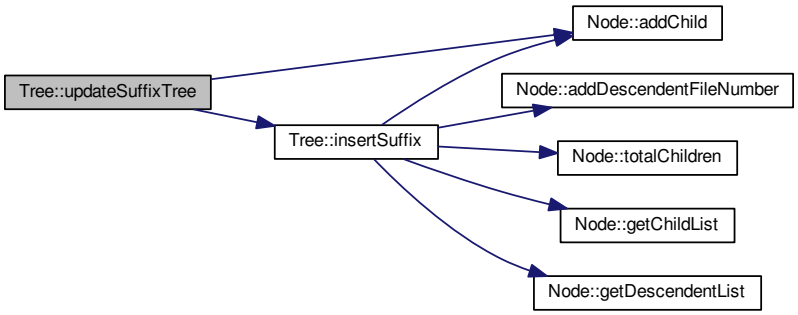
Here is the caller graph for this function:

6.11.3.4 void Tree::updateSuffixTree (std::string *sourceCode*)

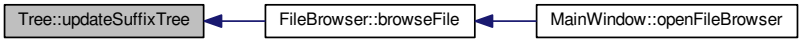
Creates a new node based on the given source code and adds it to the Suffix tree.

Definition at line 13 of file Tree.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



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

- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/Tree.h
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/Tree.cpp

6.12 Unparse.Unparser Class Reference

Public Member Functions

- def __init__

- def fill
- def write
- def enter
- def leave
- def dispatch

Public Attributes

- f
- future_imports

Static Public Attributes

- dictionary unop = {"Invert":"~", "Not": "not", "UAdd":"+", "USub":"-"}
- dictionary binop
- dictionary cmpops
- dictionary boolops = {ast.And: 'and', ast.Or: 'or'}

6.12.1 Detailed Description

```
Methods in this class recursively traverse an AST and
output source code for the abstract syntax; original formatting
is disregarded.
```

Definition at line 33 of file Unparse.py.

6.12.2 Constructor & Destructor Documentation

6.12.2.1 def Unparse.Unparser.__init__ (*self, tree, file* = `sys.stdout`)

```
Unparser(tree, file=sys.stdout) -> None.
 Print the source for tree to file.
```

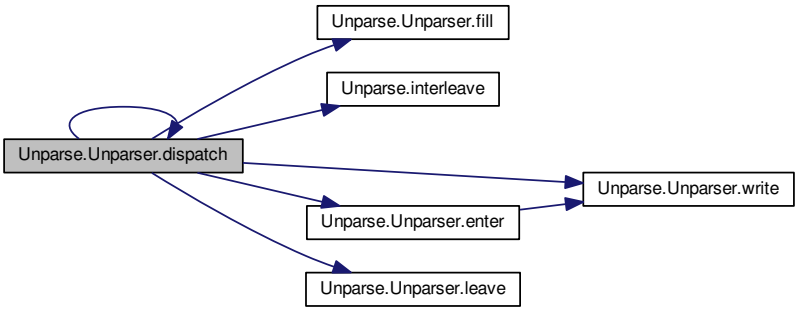
Definition at line 39 of file Unparse.py.

6.12.3 Member Function Documentation

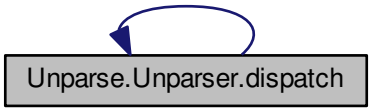
6.12.3.1 def Unparse.Unparser.dispatch (*self, tree*)

Definition at line 68 of file Unparse.py.

Here is the call graph for this function:



Here is the caller graph for this function:

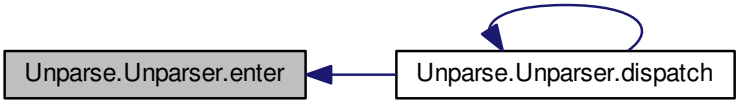


6.12.3.2 def Unparse.Unparser.enter (*self*)

Definition at line 59 of file Unparse.py.

Here is the call graph for this function:

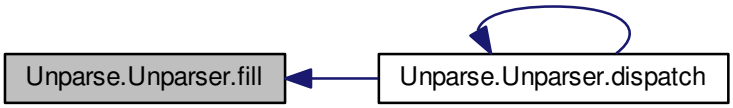
Here is the caller graph for this function:



6.12.3.3 def Unparse.Unparser.fill (*self, text = " "*)

Definition at line 50 of file Unparse.py.

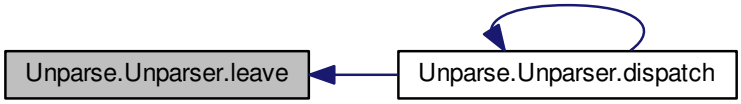
Here is the caller graph for this function:



6.12.3.4 def Unparse.Unparser.leave (*self*)

Definition at line 64 of file Unparse.py.

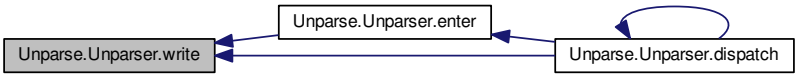
Here is the caller graph for this function:



6.12.3.5 def Unparse.Unparser.write (*self, text*)

Definition at line 54 of file Unparse.py.

Here is the caller graph for this function:



6.12.4 Member Data Documentation

6.12.4.1 dictionary Unparse.Unparser.binop [static]

Initial value:

```
1 = { "Add":"+", "Sub":"-", "Mult":"*", "Div":"/", "Mod":"%",
2                     "LShift":"<<", "RShift":">>", "BitOr":"|", "BitXor":"^", "BitAnd":"&",
3                     "FloorDiv":"//", "Pow": "**"}
```

Definition at line 452 of file Unparse.py.

6.12.4.2 dictionary Unparse.Unparser.boolops = {ast.And: 'and', ast.Or: 'or'} [static]

Definition at line 472 of file Unparse.py.

6.12.4.3 dictionary Unparse.Unparser.cmpops [static]

Initial value:

```
1 = {"Eq":"==", "NotEq":"!=", "Lt":"<", "LtE":"<=", "Gt":">", "GtE":">=",
2                         "Is":"is", "IsNot":"is not", "In":"in", "NotIn":"not in"}
```

Definition at line 462 of file Unparse.py.

6.12.4.4 Unparse.Unparser.f

Definition at line 42 of file Unparse.py.

6.12.4.5 Unparse.Unparser.future_imports

Definition at line 43 of file Unparse.py.

6.12.4.6 dictionary Unparse.Unparser.unop = {"Invert":"~", "Not": "not", "UAdd":"+", "USub":"-"} [static]

Definition at line 434 of file Unparse.py.

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

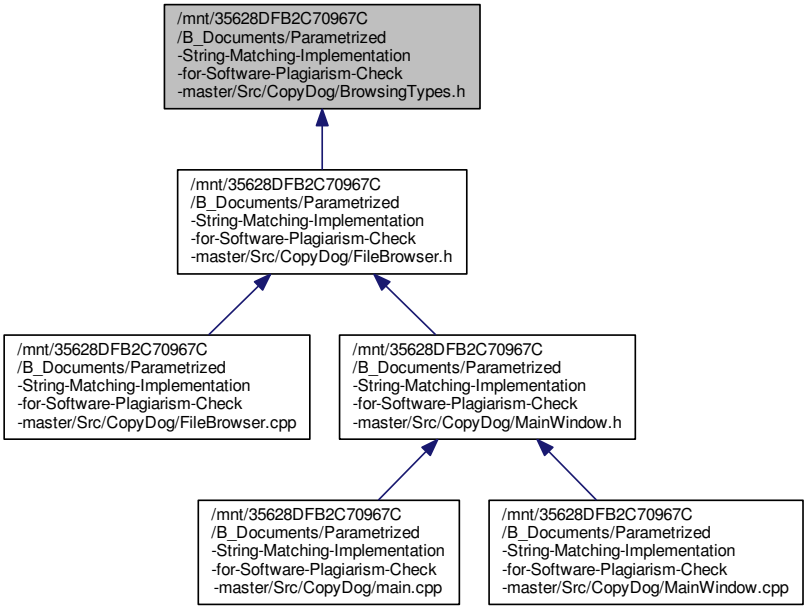
- /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software--Plagiarism-Check-master/Src/CopyDog/Unparse.py

Chapter 7

File Documentation

7.1 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/BrowsingTypes.h File Reference

This graph shows which files directly or indirectly include this file:



Enumerations

- enum BrowsingType { eSelectAllFiles, eSelectFilesManually, eDecompressAndSelectAll }

7.1.1 Enumeration Type Documentation

7.1.1.1 enum BrowsingType

Enumerator

eSelectAllFiles

eSelectFilesManually

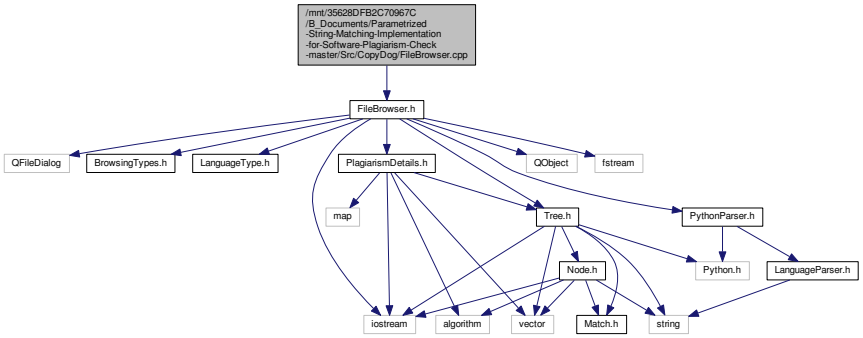
eDecompressAndSelectAll

Definition at line 4 of file BrowsingTypes.h.

7.2 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/FileBrowser.cpp File Reference

```
#include "FileBrowser.h"
```

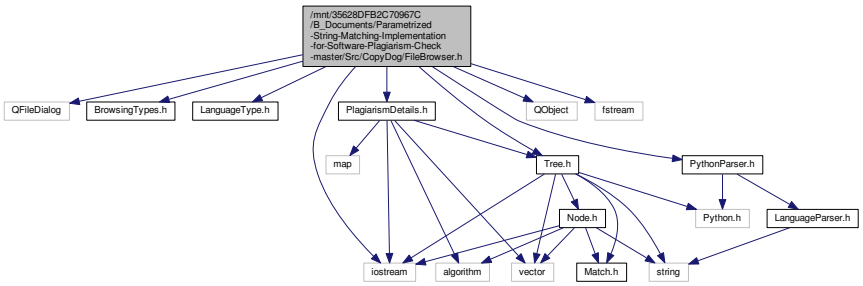
Include dependency graph for FileBrowser.cpp:



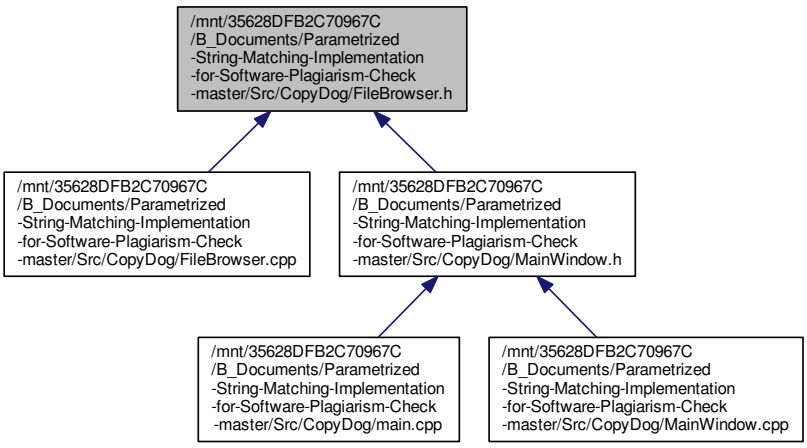
7.3 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/FileBrowser.h File Reference

```
#include <QFileDialog>
#include <BrowsingTypes.h>
#include <LanguageType.h>
#include <iostream>
#include <QObject>
#include <Tree.h>
#include <fstream>
#include <PythonParser.h>
#include <PlagiarismDetails.h>
```

Include dependency graph for FileBrowser.h:



This graph shows which files directly or indirectly include this file:



Classes

- class FileBrowser

Variables

- Tree suffixTree

7.3.1 Variable Documentation

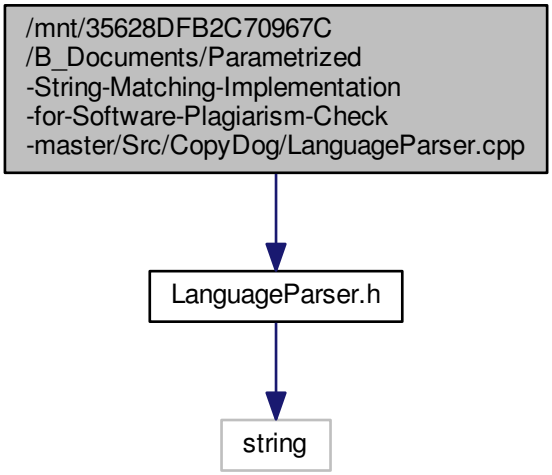
7.3.1.1 Tree suffixTree

Definition at line 15 of file main.cpp.

7.4 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/LanguageParser.cpp File Reference

```
#include "LanguageParser.h"
```

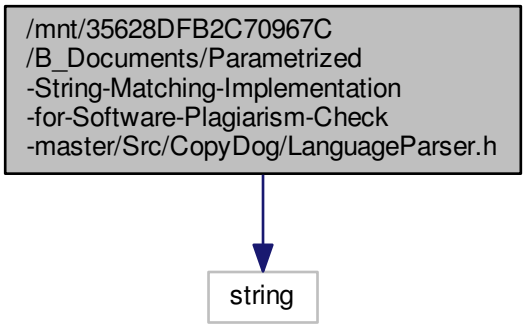
Include dependency graph for LanguageParser.cpp:



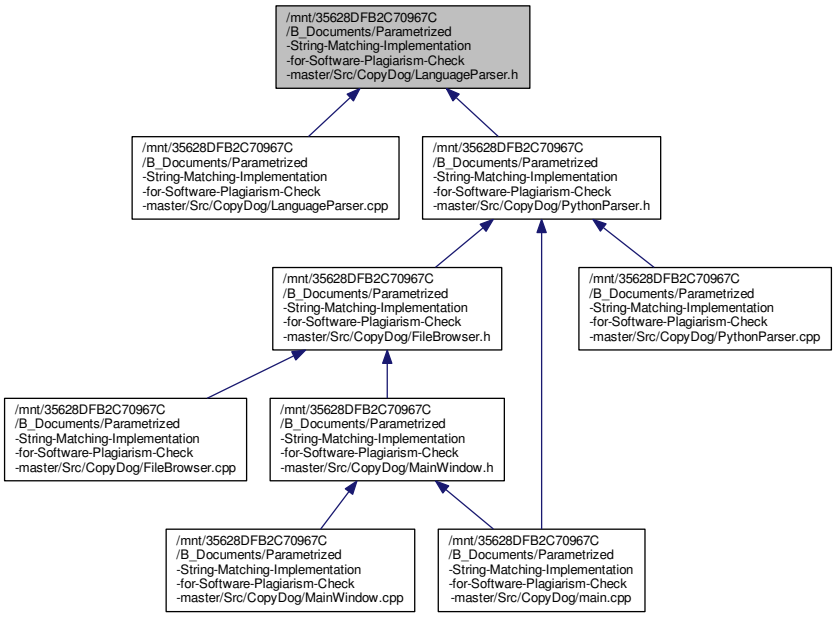
7.5 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/LanguageParser.h File Reference

```
#include <string>
```

Include dependency graph for LanguageParser.h:



This graph shows which files directly or indirectly include this file:

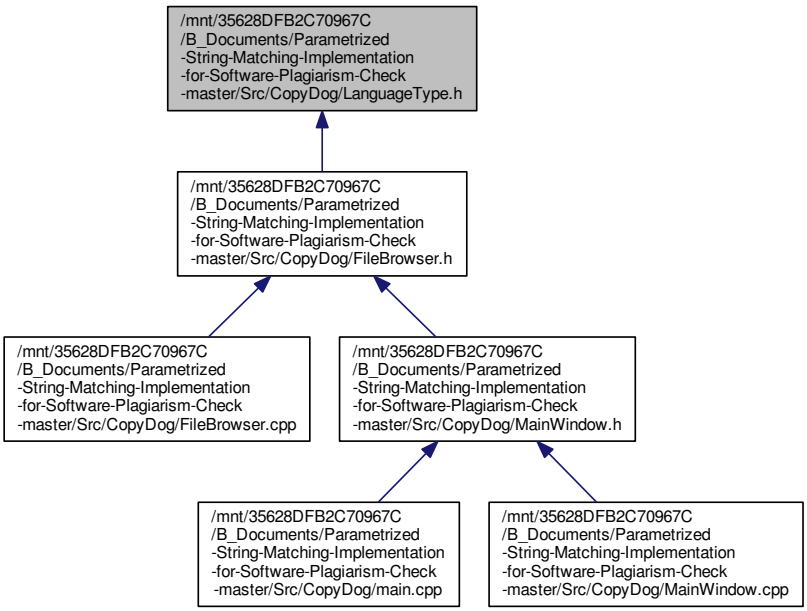


Classes

- class LanguageParser

7.6 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/LanguageType.h File Reference

This graph shows which files directly or indirectly include this file:



Enumerations

- enum LanguageType { eC, eCPP, ePython }

7.6.1 Enumeration Type Documentation

7.6.1.1 enum LanguageType

Enumerator

eC

eCPP

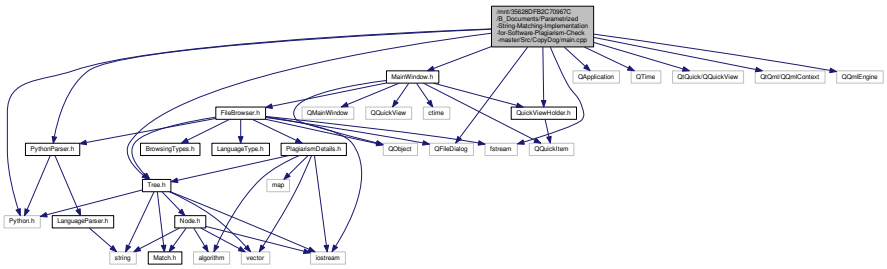
ePython

Definition at line 4 of file LanguageType.h.

7.7 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/main.cpp File Reference

```
#include "Python.h"
#include "MainWindow.h"
#include "PythonParser.h"
#include <QApplication>
#include "Tree.h"
#include <QTime>
#include <QFileDialog>
#include <fstream>
#include <QtQuick/QQuickView>
#include <QtQml/QQmlContext>
#include <QuickViewHolder.h>
#include <QQmlEngine>
```

Include dependency graph for main.cpp:



Functions

- int main (int argc, char ∗argv[])

Variables

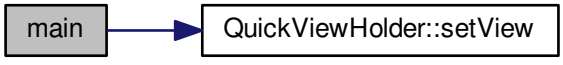
- Tree suffixTree
- QuickViewHolder viewHolder

7.7.1 Function Documentation

7.7.1.1 int main (int *argc*, char ∗ *argv[]*)

Definition at line 18 of file main.cpp.

Here is the call graph for this function:



7.7.2 Variable Documentation

7.7.2.1 Tree suffixTree

Definition at line 15 of file main.cpp.

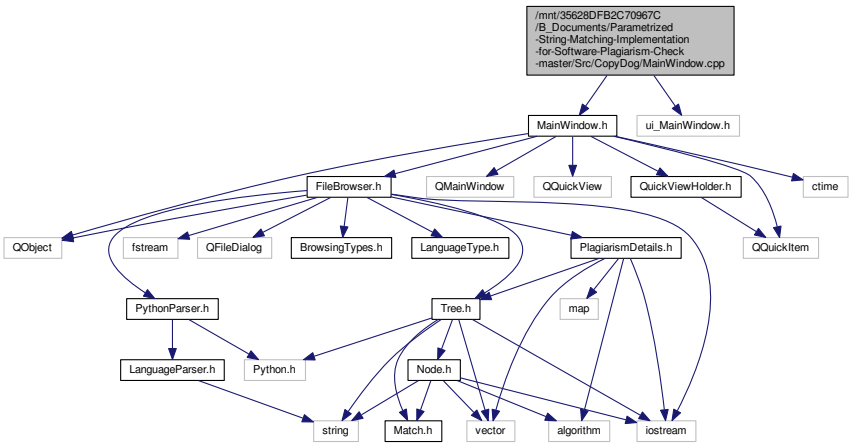
7.7.2.2 QuickViewHolder viewHolder

Definition at line 16 of file main.cpp.

7.8 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/MainWindow.cpp File Reference

```
#include "MainWindow.h"
#include "ui_MainWindow.h"
```

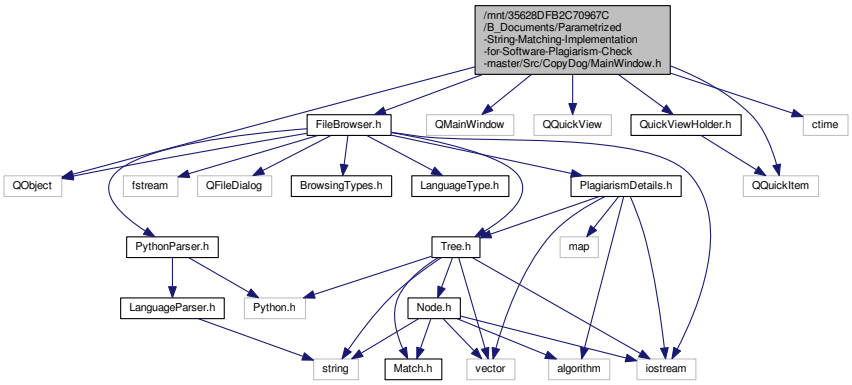
Include dependency graph for MainWindow.cpp:



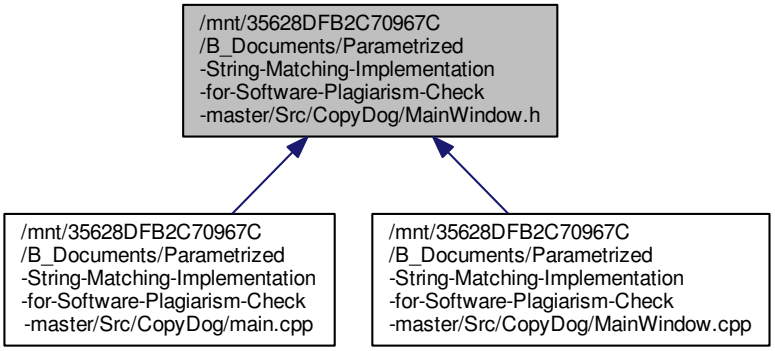
7.9 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/MainWindow.h File Reference

```
#include <QObject>
#include <QMainWindow>
#include <FileBrowser.h>
#include <QQuickView>
#include <QuickViewHolder.h>
#include <QQuickItem>
#include <ctime>
```

Include dependency graph for MainWindow.h:



This graph shows which files directly or indirectly include this file:



Classes

- class MainWindow

Variables

- QuickViewHolder viewHolder
- int MINIMUM_COPY_LENGTH

7.9.1 Variable Documentation

7.9.1.1 int MINIMUM_COPY_LENGTH

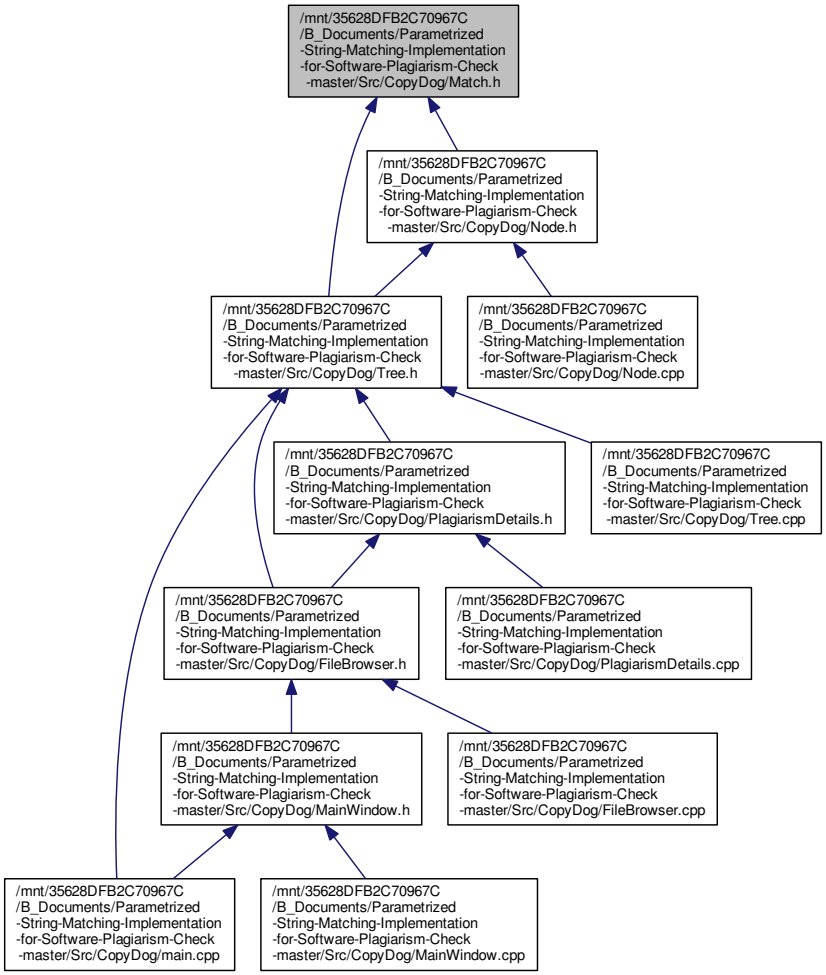
Definition at line 3 of file PlagiarismDetails.cpp.

7.9.1.2 QuickViewHolder viewHolder

Definition at line 16 of file main.cpp.

7.10 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/Match.h File Reference

This graph shows which files directly or indirectly include this file:



Classes

- struct Match

Enumerations

- enum matchType { eFullMatch, ePartialMatch, eNoMatch }
- enum stringSuffixLengthMatchType { eStringLarger, eSuffixLarger, eStringSuffixSame }

7.10.1 Enumeration Type Documentation

7.10.1.1 enum matchType

Enumerator

eFullMatch

ePartialMatch

eNoMatch

Definition at line 4 of file Match.h.

7.10.1.2 enum stringSuffixLengthMatchType

Enumerator

eStringLarger

eSuffixLarger

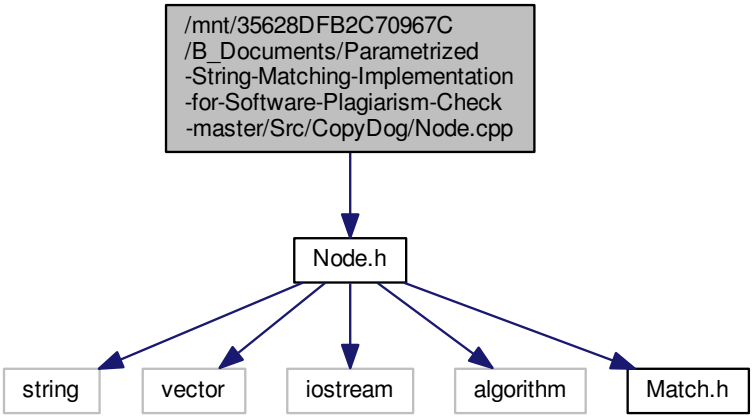
eStringSuffixSame

Definition at line 12 of file Match.h.

7.11 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/Node.cpp File Reference

```
#include "Node.h"
```

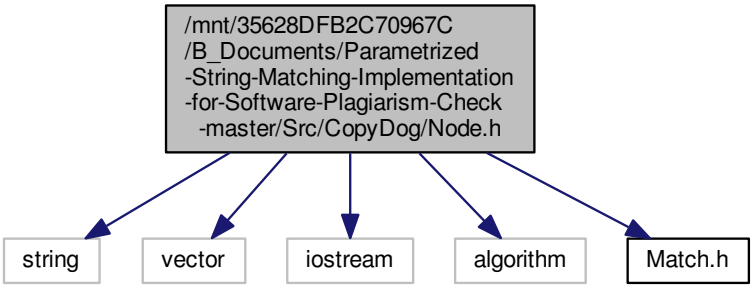
Include dependency graph for Node.cpp:



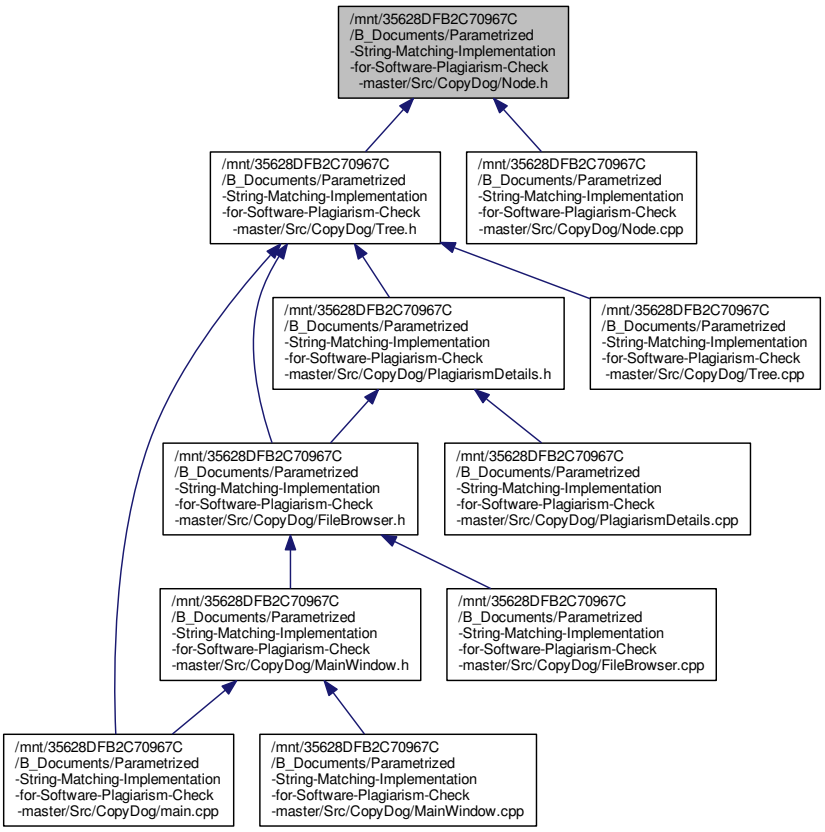
7.12 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/Node.h File Reference

```
#include <string>
#include <vector>
#include <iostream>
#include <algorithm>
#include "Match.h"
```

Include dependency graph for Node.h:



This graph shows which files directly or indirectly include this file:



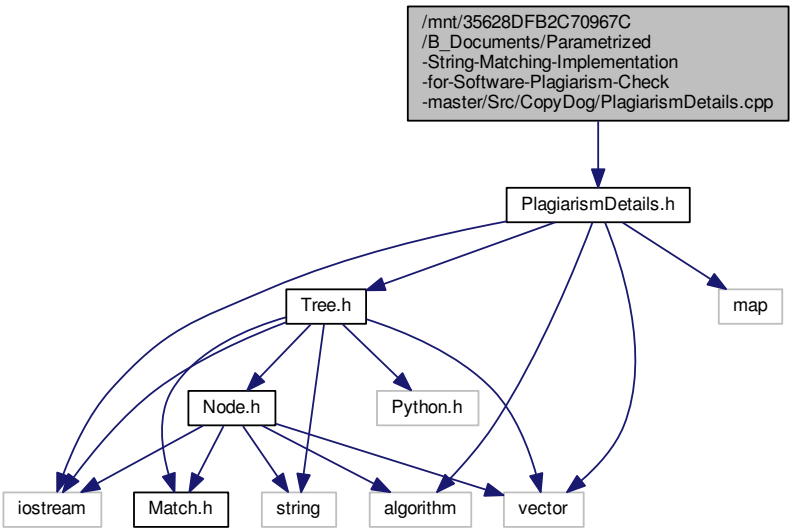
Classes

- class Node

7.13 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/PlagiarismDetails.cpp File Reference

```
#include "PlagiarismDetails.h"
```

Include dependency graph for PlagiarismDetails.cpp:



Variables

- int MINIMUM_COPY_LENGTH = 200

7.13.1 Variable Documentation

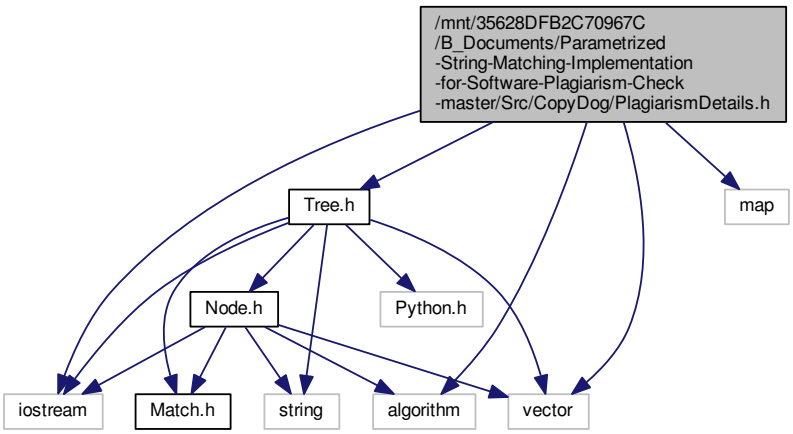
7.13.1.1 int MINIMUM_COPY_LENGTH = 200

Definition at line 3 of file PlagiarismDetails.cpp.

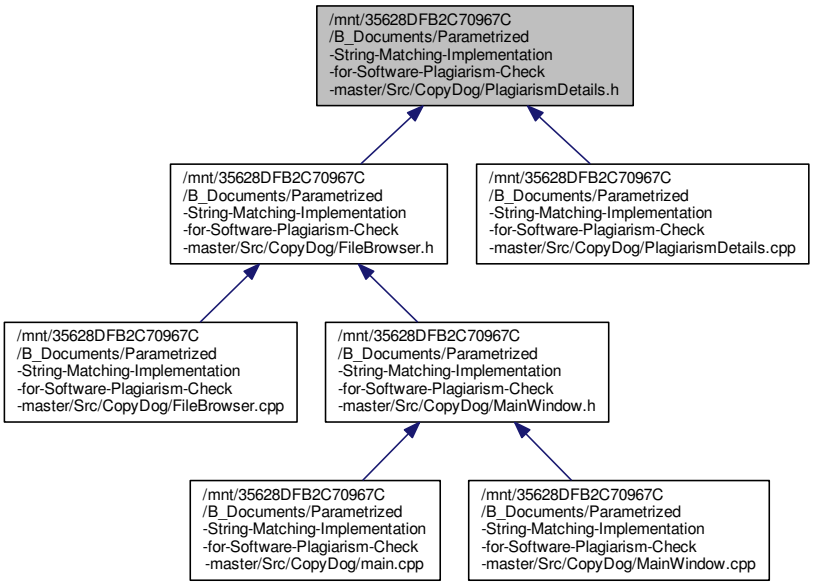
7.14 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/PlagiarismDetails.h File Reference

```
#include <iostream>
#include <algorithm>
#include <map>
#include <vector>
#include <Tree.h>
```

Include dependency graph for PlagiarismDetails.h:



This graph shows which files directly or indirectly include this file:



Classes

- class PlagiarismDetails

Macros

- #define MINIMUM_DEPTH_TO_CHECK 5

Variables

- Tree suffixTree

7.14.1 Macro Definition Documentation

7.14.1.1 #define MINIMUM_DEPTH_TO_CHECK 5

Definition at line 12 of file PlagiarismDetails.h.

7.14.2 Variable Documentation

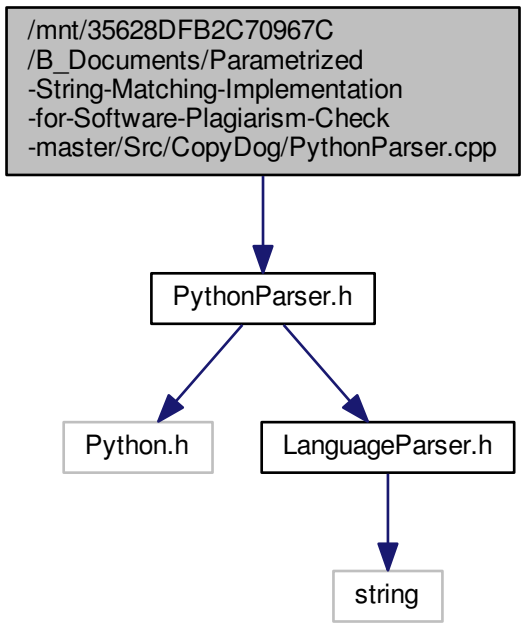
7.14.2.1 Tree suffixTree

Definition at line 15 of file main.cpp.

7.15 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/PythonParser.cpp File Reference

```
#include "PythonParser.h"
```

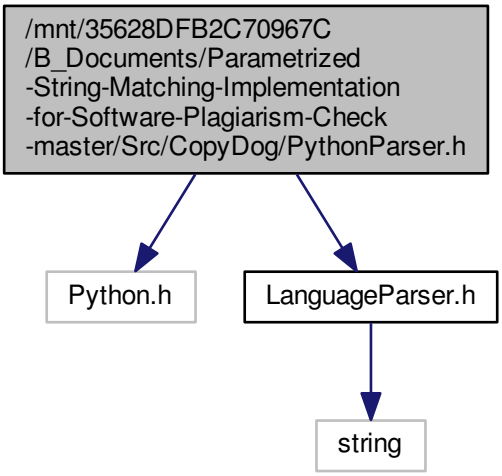
Include dependency graph for PythonParser.cpp:



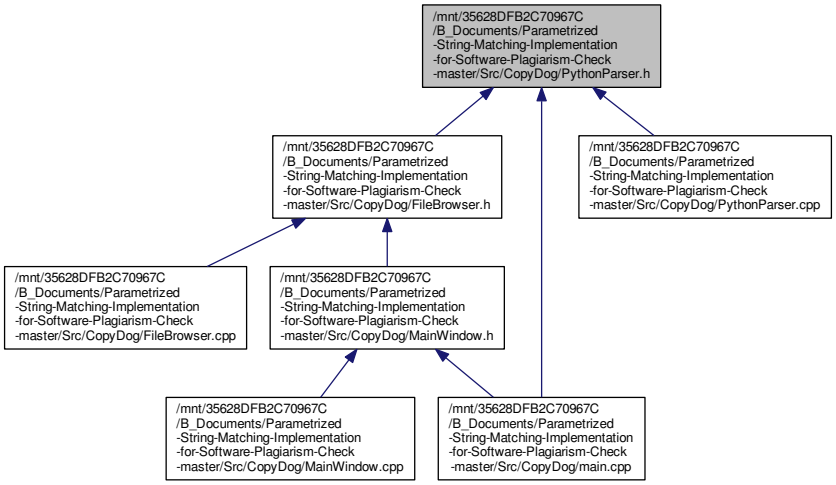
7.16 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/PythonParser.h File Reference

```
#include "Python.h"
#include <LanguageParser.h>
```

Include dependency graph for PythonParser.h:



This graph shows which files directly or indirectly include this file:



Classes

- class PythonParser

7.17 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/PythonParser.py File Reference

Classes

- class PythonParser.FirstParser
- class PythonParser.StripWhiteSpaceParser

Namespaces

- PythonParser

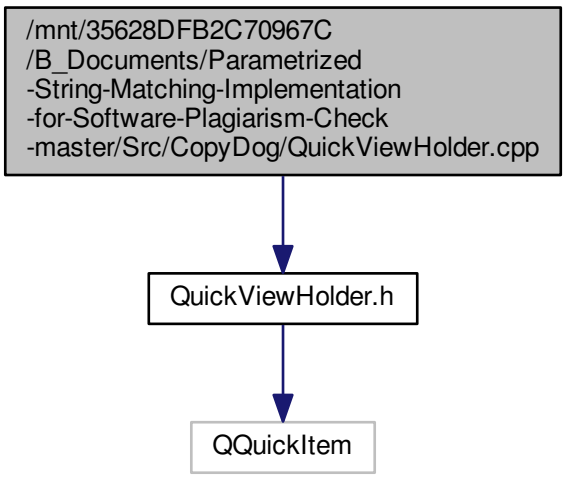
Functions

- def PythonParser.parseAndStripWhiteSpaceComments
- def PythonParser.createSuffixCompatibleSource
- def PythonParser.getPlainText

7.18 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/QuickViewHolder.cpp File Reference

```
#include "QuickViewHolder.h"
```

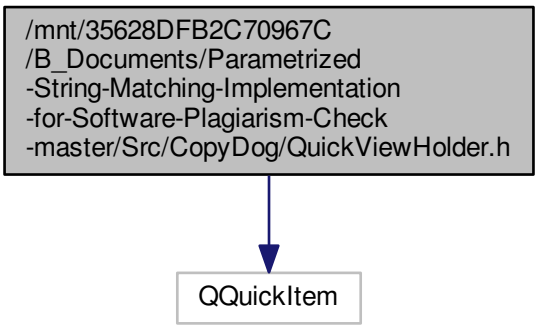
Include dependency graph for QuickViewHolder.cpp:



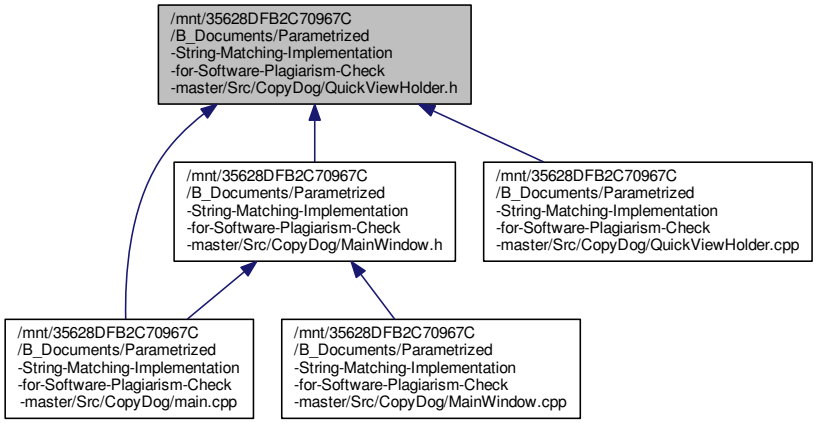
7.19 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/QuickViewHolder.h File Reference

```
#include <QQuickItem>
```

Include dependency graph for QuickViewHolder.h:



This graph shows which files directly or indirectly include this file:



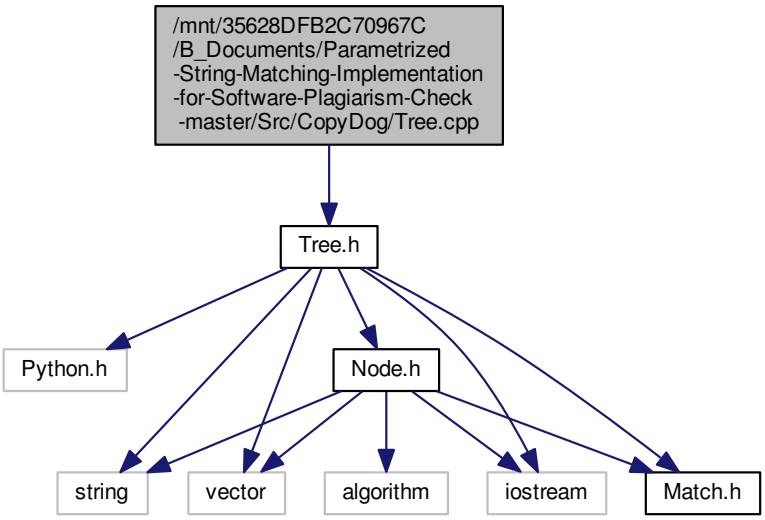
Classes

- class QuickViewHolder

7.20 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/Tree.cpp File Reference

```
#include "Tree.h"
```

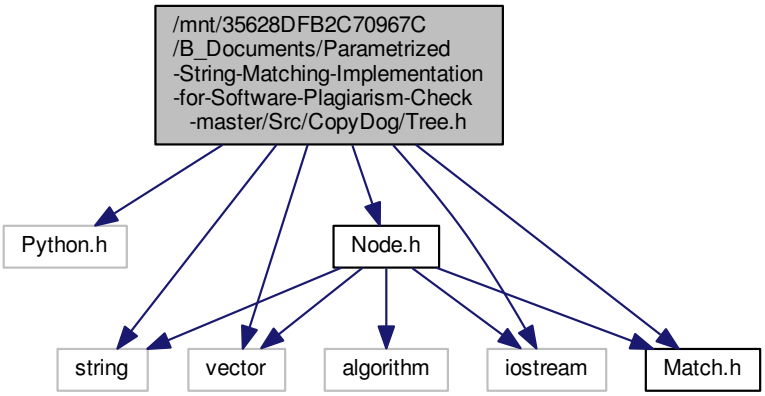
Include dependency graph for Tree.cpp:



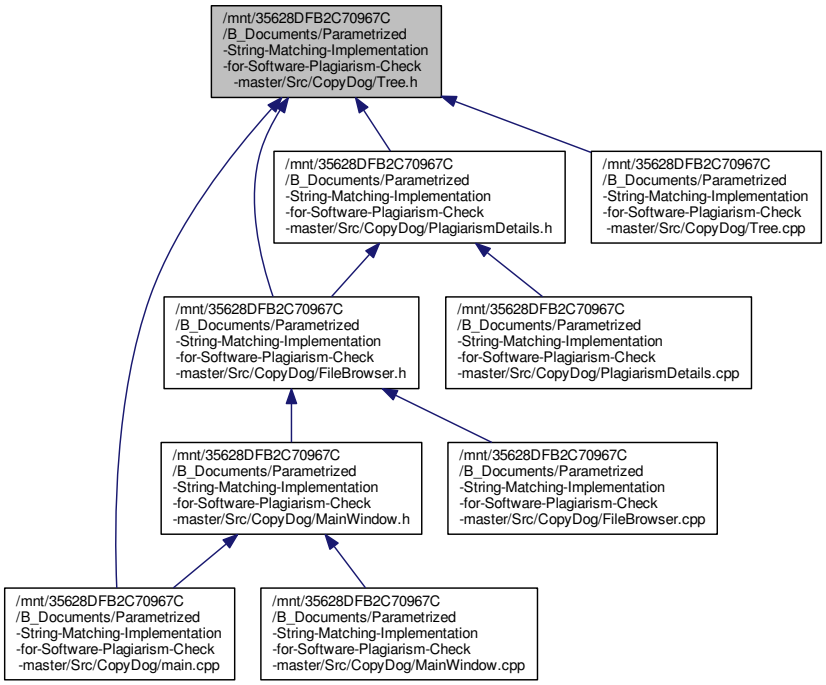
7.21 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/Tree.h File Reference

```
#include "Python.h"
#include <string>
#include <vector>
#include <iostream>
#include "Node.h"
#include "Match.h"
```

Include dependency graph for Tree.h:



This graph shows which files directly or indirectly include this file:



Classes

- class Tree

7.22 /mnt/35628DFB2C70967C/B_Documents/Parametrized-String-Matching-Implementation-for-Software-Plagiarism-Check-master/Src/CopyDog/Unparse.py File Reference

Classes

- class Unparse.Unparser

Namespaces

- Unparse

Functions

- def Unparse.interleave
- def Unparse.roundtrip
- def Unparse.testdir
- def Unparse.main

Variables

- string Unparse.INFSTR = "1e"