My Project

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Chapter 1

Class Index

1.1 Class List

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

node 5
tree 6

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

main.cpp 7
node.h 7
tree.cpp 7
tree.h 8

Chapter 3

Class Documentation

3.1 node Struct Reference

`#include <node.h>`

Public Attributes

- int size
- int depth
- int key
- node * parent
- node * child [4]

3.1.1 Member Data Documentation

3.1.1.1 node* node::child[4]

3.1.1.2 int node::depth

3.1.1.3 int node::key

3.1.1.4 node* node::parent

3.1.1.5 int node::size

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

- node.h
- tree.h

3.2 tree Class Reference

`#include <tree.h>`

Public Member Functions

- tree ()
- ~tree ()
- void insert (int key)
- void search (int key)

Public Attributes

- node root

3.2.1 Constructor & Destructor Documentation

3.2.1.1 tree::tree ( )

3.2.1.2 tree::~tree ( )

3.2.2 Member Function Documentation

3.2.2.1 void tree::insert (int *key*)

3.2.2.2 void tree::search (int *key*)

3.2.3 Member Data Documentation

3.2.3.1 node tree::root

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

- tree.h
- tree.cpp

Chapter 4

File Documentation

4.1 main.cpp File Reference

```
#include "tree.h"
```

Functions

- int main ()

4.1.1 Function Documentation

4.1.1.1 int main ( )

4.2 node.h File Reference

```
#include <iostream> #include <vector>
```

Classes

- struct node

4.3 tree.cpp File Reference

```
#include "tree.h"
```

4.4 tree.h File Reference

```
#include <iostream> #include <vector> #include <new>
```

Classes

- struct node
- class tree