graphs

0.1.0

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Class Index

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1	1	Class	I IQT

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

File Index

2.1 File List

Н	ere	is a	list	of a	ıll files	with	brief	C	lescriptions:	
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/home/benson/CPTR227/HW14Graphs-1/src/main.cpg)								
This is a test of CMake, doxygen, and GitHub		 	 		 				ç

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Class Documentation

3.1 Graph Class Reference

Public Member Functions

- Graph (int n0)
- void addEdge (int i, int j)
- void removeEdge (int i, int j)
- bool hasEdge (int i, int j)
- void outEdges (int i, vector< int > &edges)
- void inEdges (int i, vector< int > &edges)
- void printGraph ()

3.1.1 Detailed Description

Definition at line 14 of file main.cpp.

3.1.2 Constructor & Destructor Documentation

3.1.2.1 Graph()

```
\label{eq:Graph:Graph} \mbox{ Graph::Graph (} \\ \mbox{ int } n0\mbox{ ) } \mbox{ [inline]}
```

Definition at line 19 of file main.cpp.

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3.1.3 Member Function Documentation

3.1.3.1 addEdge()

```
void Graph::addEdge (
        int i,
          int j) [inline]
```

Definition at line 27 of file main.cpp.

```
a[i][j] = true;
```

3.1.3.2 hasEdge()

```
bool Graph::hasEdge (
          int i,
           int j) [inline]
```

Definition at line 35 of file main.cpp.

```
return a[i][j];
```

3.1.3.3 inEdges()

```
void Graph::inEdges (
            vector< int > & edges ) [inline]
```

Definition at line 43 of file main.cpp.

```
for (int j = 0; j < n; j++)
    if (a[j][i]) edges.push_back(j);</pre>
45
45
46 }
```

3.1.3.4 outEdges()

```
void Graph::outEdges (
           int i,
           vector< int > & edges ) [inline]
```

Definition at line 39 of file main.cpp.

```
for (int j = 0; j < n; j++)
    if (a[i][j]) edges.push_back(j);</pre>
40
42
```

3.1.3.5 printGraph()

3.1.3.6 removeEdge()

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

• /home/benson/CPTR227/HW14---Graphs-1/src/main.cpp

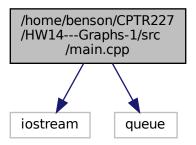
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File Documentation

4.1 /home/benson/CPTR227/HW14---Graphs-1/src/main.cpp File Reference

This is a test of CMake, doxygen, and GitHub.

#include <iostream>
#include <queue>
Include dependency graph for main.cpp:



Classes

• class Graph

Functions

• int main ()

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4.1.1 Detailed Description

This is a test of CMake, doxygen, and GitHub.

This is the long brief at the top of main.cpp.

Author

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Date

3/30/21

4.1.2 Function Documentation

4.1.2.1 main()

```
int main ( )
```

Definition at line 60 of file main.cpp.

```
60 {
61 Graph g(12);
62
63 g.addEdge(0, 1);
64 g.addEdge();
65
66
67 g.printGraph();
68 }
```

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