AddressBook

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Contact 6

2 File Index

2.1 File List

Here is a list of all files with brief descriptions:

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3 Class Documentation

3.1 AddressBook Class Reference

#include <addressbook.h>

Public Member Functions

- AddressBook ()
- void addContact (Contact)

Adds a contact.

• bool deleteContact (Contact)

deletes a contact

• int findContact (std::string firstName)

Finds a contact.

• int findContact (Contact)

Finds a contact.

bool editContact (std::string firstName)

Adds a contact.

• void getCurrent ()

Gets the current contact.

• void makeEmpty ()

Makes address book empty.

• void printContact ()

Prints a contact.

∼AddressBook ()

Private Attributes

- Contact * head
- Contact * tail
- Contact * currentPosition
- 3.1.1 Constructor & Destructor Documentation
- **3.1.1.1 AddressBook()** AddressBook::AddressBook ()
- **3.1.1.2** ~AddressBook() AddressBook::~AddressBook ()
- 3.1.2 Member Function Documentation

Adds a contact.

Parameters

in	newContact	The new contact
----	------------	-----------------

deletes a contact

Parameters

in toDelete contact to delete

Returns

returns 0 on completion

```
3.1.2.3 editContact() bool AddressBook::editContact ( std::string firstName )
```

Adds a contact.

Parameters

in	firstName	The first name of the contact to add.
----	-----------	---------------------------------------

Returns

returns false on failure

Finds a contact.

Parameters

in <i>com</i>	<i>pare</i> T	he contact to	find
---------------	---------------	---------------	------

3.1.2.5 findContact() [2/2] int AddressBook::findContact (std::string *firstName*)

Finds a contact.

Parameters

in <i>firstName</i>	The first name to find
---------------------	------------------------

Returns

return one on success

 $\textbf{3.1.2.6} \quad \textbf{getCurrent()} \quad \texttt{void AddressBook::getCurrent ()}$

Gets the current contact.

3.1.2.7 makeEmpty() void AddressBook::makeEmpty ()

Makes address book empty.

3.1.2.8 printContact() void AddressBook::printContact ()

Prints a contact.

3.1.3 Member Data Documentation

3.1.3.1 currentPosition Contact* AddressBook::currentPosition [private]

```
3.1.3.2 head Contact* AddressBook::head [private]
```

3.1.3.3 tail Contact* AddressBook::tail [private]

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

- · addressbook.h
- addressbook.cpp

3.2 addressbook Class Reference

This class describes an address book.

```
#include <addressbook.h>
```

3.2.1 Detailed Description

This class describes an address book.

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

· addressbook.h

3.3 contact Class Reference

This class describes a contact.

```
#include <contact.h>
```

3.3.1 Detailed Description

This class describes a contact.

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

· contact.h

3.4 Contact Class Reference

```
#include <contact.h>
```

Public Member Functions

• Contact ()

Constructs a new instance.

Contact (std::string)

Constructs a new instance.

• Contact (std::string, std::string)

Constructs a new instance.

Contact (std::string, std::string, int, std::string)

Constructs a new instance.

Public Attributes

- std::string firstName
- std::string lastName
- int phoneNumber
- std::string address
- Contact * next = nullptr

3.4.1 Constructor & Destructor Documentation

3.4.1.1 Contact() [1/4] Contact::Contact ()

Constructs a new instance.

```
3.4.1.2 Contact() [2/4] Contact::Contact ( std::string mfirstName )
```

Constructs a new instance.

Parameters

3.4.1.3 Contact() [3/4] Contact::Contact (std::string mfirstName, std::string mlastName)

Constructs a new instance.

Parameters

in <i>mfirstName</i>		The first name	
in	mlastName	The last name	

Constructs a new instance.

Creates a complete contact with all the info inside an object that is created.

Parameters

in	mfirstName	The mfirst name	
in <i>mlastName</i>		The mlast name	
in	mphoneNumber	The mphone number	
in	maddress	The maddress	

3.4.2 Member Data Documentation

3.4.2.1 address std::string Contact::address

3.4.2.2 firstName std::string Contact::firstName

```
3.4.2.3 lastName std::string Contact::lastName
```

```
3.4.2.4 next Contact::next = nullptr
```

3.4.2.5 phoneNumber int Contact::phoneNumber

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

- · contact.h
- · contact.cpp

4 File Documentation

4.1 addressbook.cpp File Reference

```
#include "addressbook.h"
```

4.2 addressbook.h File Reference

```
#include "contact.h"
```

Classes

class AddressBook

4.3 contact.cpp File Reference

```
#include "contact.h"
```

4.4 contact.h File Reference

```
#include <iostream>
#include <string>
```

Classes

· class Contact

4.5 main.cpp File Reference

```
#include "main.h"
```

Functions

- int **main** ()
- int menu ()
- void clearScreen ()
- void pauseScreen ()

4.5.1 Function Documentation

```
4.5.1.1 clearScreen() void clearScreen ( )
```

```
4.5.1.2 main() int main ()
```

```
4.5.1.3 menu() int menu ()
```

4.5.1.4 pauseScreen() void pauseScreen ()

4.6 main.h File Reference

```
#include <string>
#include "addressbook.h"
#include "contact.h"
```

Functions

- void clearScreen (void)
- int **main** ()
- int **menu** (void)
- void pauseScreen (void)

Variables

• AddressBook a = AddressBook()

4.6.1 Function Documentation

```
4.6.1.1 clearScreen() void clearScreen ( void )
```

```
4.6.1.2 main() int main ( )
```

```
4.6.1.3 menu() int menu ( void )
```

```
4.6.1.4 pauseScreen() void pauseScreen ( void )
```

4.6.2 Variable Documentation

4.6.2.1 a AddressBook a = AddressBook()

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