

Proyecto sobre listas

1

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

List< Data, Position >	6
ArrayList< Data, Position >	5
List< Element, SinglePosition >	6
SingleLinkedList< Element, SinglePosition >	8
SimplePosition< Dato >	7
SimplePosition< Element >	7

Chapter 2

Class Index

2.1 Class List

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

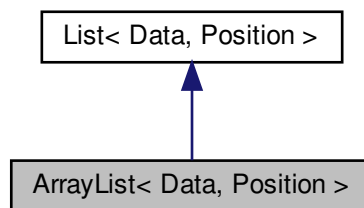
ArrayList< Data, Position >	5
List< Data, Position >	6
SimplePosition< Dato >	7
SingleLinkedList< Element, SinglePosition >	8

Chapter 3

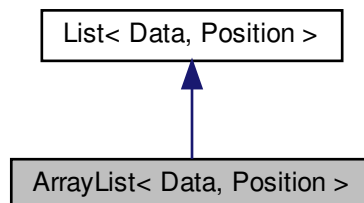
Class Documentation

3.1 ArrayList< Data, Position > Class Template Reference

Inheritance diagram for ArrayList< Data, Position >:



Collaboration diagram for ArrayList< Data, Position >:



Public Member Functions

- void **resizer** ()
- void **emptyList** ()
- void **reorder** (Data data, Position position)
- void **reorder_inv** (Data data, Position position)
- void **insertt** (Data data)
- void **insert** (Data, Position *)
- Position & **insert** (const Data &d)
- void **remove** (Position *)
- Data **getElement** (Position *)
- Position * **next** (Position *)
- Position * **prev** (Position *)
- void **insert** (Data data, Position position)
- void **remove** (Data data)
- void **remove** (Position position)
- Data **getElement** (Position position)
- Position * **find** (Data data)
- Position * **next** (Position position)
- Position * **prev** (Position position)
- void **print** ()

Public Attributes

- Data * **arreglo**
- int **numero_items** =0
- int **items_activos** =0

3.1.1 Detailed Description

```
template<typename Data, typename Position>
class ArrayList< Data, Position >
```

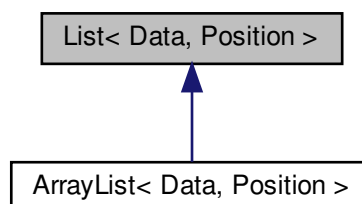
Definition at line 7 of file ArrayList.h.

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

- include/ArrayList.h

3.2 List< Data, Position > Class Template Reference

Inheritance diagram for List< Data, Position >:



Public Member Functions

- **List** (const [List](#) &orig)
- virtual void **emptyList** ()=0
- virtual void **insert** (Data, Position *)=0
- virtual Position & **insert** (const Data &d)=0
- virtual void **remove** (Data)=0
- virtual void **remove** (Position *)=0
- virtual Data **getElement** (Position *)=0
- virtual Position * **find** (Data)=0
- virtual Position * **next** (Position *)=0
- virtual Position * **prev** (Position *)=0
- virtual void **print** ()=0

Public Attributes

- int **items** = 0

3.2.1 Detailed Description

```
template<typename Data, typename Position>
class List< Data, Position >
```

Definition at line 8 of file List.h.

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

- include/List.h

3.3 SimplePosition< Dato > Class Template Reference

Public Member Functions

- **SimplePosition** (Dato *valor)

Public Attributes

- [SimplePosition](#)< Dato > * **siguiente** = 0x0
- Dato * **valor**

3.3.1 Detailed Description

```
template<typename Dato>
class SimplePosition< Dato >
```

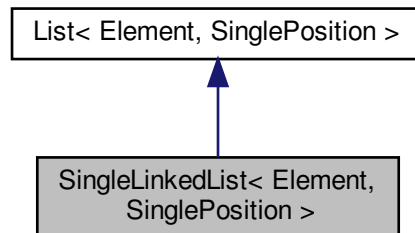
Definition at line 8 of file SimplePosition.h.

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

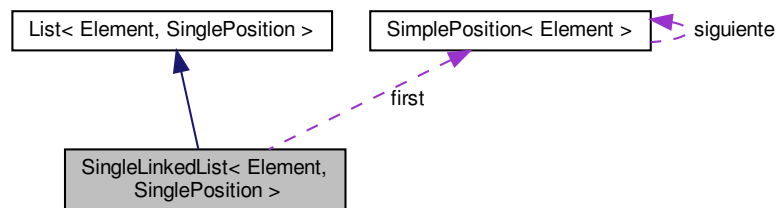
- include/SimplePosition.h

3.4 SingleLinkedList< Element, SinglePosition > Class Template Reference

Inheritance diagram for SingleLinkedList< Element, SinglePosition >:



Collaboration diagram for SingleLinkedList< Element, SinglePosition >:



Public Member Functions

- **SingleLinkedList** (const [SingleLinkedList](#) &orig)
- void **emptyList** ()
- void **insert** (SinglePosition *nuevaPosicion, SinglePosition *viejaPosicion)
- void **insert** (Element dato, SinglePosition *posicion)
- SinglePosition & **insert** (const Element &dato)
- void **remove** (Element dato)
- void **remove** (SinglePosition *posicion)
- Element **getElement** (SinglePosition *posicion)
- SinglePosition * **find** (Element elemento)
- SinglePosition * **next** (SinglePosition *posicion)
- SinglePosition * **prev** (SinglePosition *posicion)
- *Funcion que imprime la posicion previa de una posicion.*
- void **print** ()
- *Funcion que imprime los datos de la lista.*
- SinglePosition * **ultimo** ()
- void **actualizarItems** ()

Public Attributes

- [SimplePosition](#)< Element > * **first**
- int **items** =0

3.4.1 Detailed Description

```
template<typename Element, typename SinglePosition>  
class SingleLinkedList< Element, SinglePosition >
```

Definition at line 9 of file SingleLinkedList.h.

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

- include/SingleLinkedList.h

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`List< Data, Position >`, [6](#)

`SimplePosition< Dato >`, [7](#)

`SingleLinkedList< Element, SinglePosition >`, [8](#)