Outlab-07

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1.1 Class List

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

Chapter 2

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2.1 File List

Here is a list of all files with brief descriptions:

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Class Documentation

3.1 LinkList< T > Class Template Reference

template class representing a linked list

Public Member Functions

- void insertFront (T item)
- void insertRear (T item)
- void removeFront ()
- void removeRear ()

Static Public Member Functions

- static void main (String a[ ])

Package Functions

- deque. removeFront ()
- deque. removeFront ()

Private Attributes

- Node< T > front
- Node< T > rear

3.1.1 Detailed Description

template class representing a linked list

Parameters

T	data type

3.1.2 Member Function Documentation

3.1.2.1 void LinkList< T >.insertFront (T *item*) [inline]

inserting an element at the front

Parameters

item	the element to be inserted (of type T)

3.1.2.2 void LinkList< T >.insertRear (T *item*) [inline]

inserting an element at the rear

Parameters

item	the element to be inserted (of type T)

3.1.2.3 static void LinkList< T >.main (String *a[ ]*) [inline], [static]

3.1.2.4 void LinkList< T >.removeFront ( ) [inline]

pop an element from the front

3.1.2.5 deque. LinkList< T >.removeFront ( ) [package]

3.1.2.6 deque. LinkList< T >.removeFront ( ) [package]

3.1.2.7 void LinkList< T >.removeRear ( ) [inline]

pop an element from the rear

3.1.3 Member Data Documentation

3.1.3.1 Node<T> LinkList< T >.front [private]

Node pointing to the first member

3.1.3.2 Node<T> LinkList< T >.rear [private]

Node pointing to the end

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

- LinkList.java

3.2 Node< T > Class Template Reference

template class representing a node in a linked list

Public Member Functions

- Node< T > getPrev ()
- void setPrev (Node< T > prev)
- Node< T > getNext ()
- void setNext (Node< T > next)
- T getValue ()
- void setValue (T value)

Private Attributes

- Node< T > prev
- Node< T > next
- T value

3.2.1 Detailed Description

template class representing a node in a linked list

Parameters

T	data type

3.2.2 Member Function Documentation

3.2.2.1 Node<T> Node< T >.getNext ( ) [inline]

get the next element

3.2.2.2 Node<T> Node< T >.getPrev ( ) [inline]

get the previous element

3.2.2.3 T Node< T >.getValue ( ) [inline]

get the value of the node

3.2.2.4 void Node< T >.setNext (Node< T > *next*) [inline]

change the next element

Parameters

next	the element to be set as the next node for the current element

3.2.2.5 void Node< T >.setPrev (Node< T > *prev*) [inline]

change the previous element

Parameters

prev	the element to be set as the previous node for the current element

3.2.2.6 void Node< T >.setValue (T *value*) [inline]

change the value of the node

Parameters

value	new value of the node

3.2.3 Member Data Documentation

3.2.3.1 Node<T> Node< T >.next [private]

pointer to the next element

3.2.3.2 Node<T> Node< T >.prev [private]

pointer to the previous element

3.2.3.3 T Node< T >.value [private]

value of the node

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

- LinkList.java

Chapter 4

File Documentation

4.1 LinkList.java File Reference

Classes

- class LinkList< T >

  template class representing a linked list
- class Node< T >

  template class representing a node in a linked list

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