My Project

Generated by Doxygen 1.8.16

Chapter 1

Class Index

1.1 Class List

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

Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

Chapter 3

Class Documentation

3.1 LinkList< T > Class Template Reference

Public Member Functions

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

Static Public Member Functions

- static void main (String a[ ])

3.1.1 Detailed Description

A class implementing a Deque using a doubly linked list.
Deque (DeQueue) stands for Double-ended Queue.
It is just like a queue but does not support FIFO structure.
Insertion and deletion can be done from both side(FRONT & REAR).
Implementation uses the Node class. Data members are a couple of nodes to store the data at the front and rear of the deque. Member functions have been documentated.

Template Parameters

T	type of the elements that can be stored in the deque

3.1.2 Member Function Documentation

3.1.2.1 insertFront()

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

Insert item at the front of the linked list

Parameters

item	element to be inserted

Returns

void

3.1.2.2 insertRear()

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

Insert item at the rear of the linked list

Parameters

item	element to be inserted

Returns

void

3.1.2.3 main()

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

The main function.
Contains several calls to member of LinkList class to an instance created inside the function

3.1.2.4 removeFront()

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

Removes the item at the front of the linked list

Returns

void

3.1.2.5 removeRear()

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

Removes the item at the rear of the linked list

Returns

void

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 >
- class **Node**< **T** >

4.1.1 Detailed Description

Author

Team Dominatrix

Illustrates doxygen-style comments for documenting a Java program file and the functions in that file. Because this is a java file all it contains are classes.

Index