My Project

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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 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[ ])

Private Attributes

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

3.1.1 Detailed Description

This class implements the data structure LinkList, which consists of sequential nodes containing information, and links to the previous and the next nodes

3.1.2 Member Function Documentation

3.1.2.1 insertFront()

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

Parameters

item	The element to be inserted at the front of the LinkList Inserts the element to the front of the LinkList, links the old front node to the new one and updates the front node of LinkList Prints the element being added to the front

add element at the beginning of the queue

3.1.2.2 insertRear()

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

Parameters

item	The element to be inserted at the rear of the LinkList Inserts the element to the rear of the LinkList, links the old rear node to the new one and updates the rear node of LinkList Prints the element being added to the rear

add element at the end of the queue

3.1.2.3 main()

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

The main driver code for building the LinkList

3.1.2.4 removeFront()

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

Removes the element at the front of the LinkList, links the new front node to null and updates the front node of LinkList to the second node in the old List Prints the element being removed from the front remove an item from the beginning of the queue

3.1.2.5 removeRear()

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

Removes the element at the rear of the LinkList, links the new rear node to null and updates the rear node of LinkList to the second last node in the old List Prints the element being removed from the rear remove an item from the beginning of the queue

3.1.3 Member Data Documentation

3.1.3.1 front

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

3.1.3.2 rear

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

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** >

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