Hello <customer name>,

Thank you for contacting us. I have implemented a **Deque<T>** for you using the **LinkedList<T>** class, contained in the .NetFramework (**System.Collections.Generic).**  Here are some tips and guidelines about the implementation.

Since the **Deque<T>** is to be implemented with **LinkedList<T>** (the **LinkedList<T>** could be a **private field in the class**) the **LinkedList<T>** itself is responsible for raising the limits of the number of elements it can contain so you don’t need to worry about that. Another thing you don’t need to worry about is exception handling because it is also made in the **LinkedList<T>**. You can find more information about the **LinkedList<T>** class here: <http://msdn.microsoft.com/en-us/library/he2s3bh7.aspx>

One way for implementing a **Deque<T>** that inherits the **IDeuque<T>** interface which you described would be to implement all the properties and methods required using their according ones which are a part of the **LinkedList<T>** class. For example to get the Count of the **Deque<T>** instanceuse the Count property in the **LinkedList<T> private field**.

I am sending you an implementation of the **Deque<T>** that fits your requirements so you can get a better understanding of how things work. Please feel free to contact us at any time if you need further assistance or have any other questions.

Kind Regards,

<my name>