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HOME INFORMATION ON QUEUE LOG IN SIGN IN

QUEUE

This Website will make you understand the concept of Queues

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QUEUES

Queue is also an abstract data type or a linear data structure, just like stack data structure, in which the first element is inserted from one end called the REAR(also called tail), and the removal of existing element takes place from the other end called as FRONT(also called head).

- TYPES OF QUEUES
- BASIC FEATURES OF QUEUES

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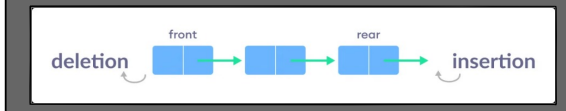
TYPES OF QUEUES

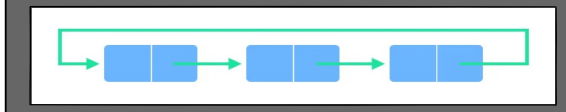
1: Simple Queue

In a simple queue, insertion takes place at the rear and removal occurs at the front. It strictly follows the FIFO (First in First out) rule.



2: Circular Queue

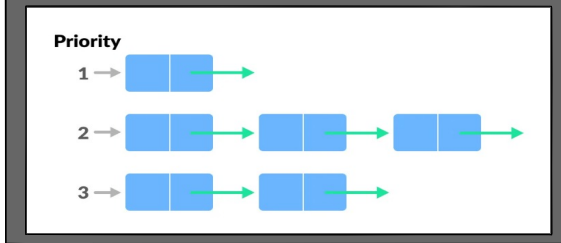
In a circular queue, the last element points to the first element making a circular link..



The main advantage of a circular queue over a simple queue is better memory utilization. If the last position is full and the first position is empty, we can insert an element in the first position. This action is not possible in a simple queue.

3: Priority Queue

A priority queue is a special type of queue in which each element is associated with a priority and is served according to its priority. If elements with the same priority occur, they are served according to their order in the queue.Insertion occurs based on the arrival of the values and removal occurs based on priority.



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BASIC FEATURES OF QUEUES

- Like stack, queue is also an ordered list of elements of similar data types.
- Queue is a FIFO(First in First Out) structure.
- Once a new element is inserted into the Queue, all the elements inserted before the new element in the queue must be removed, to remove the new element.

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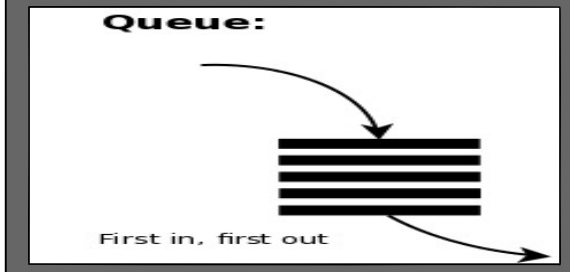

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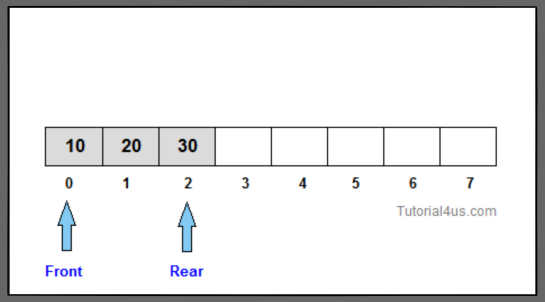
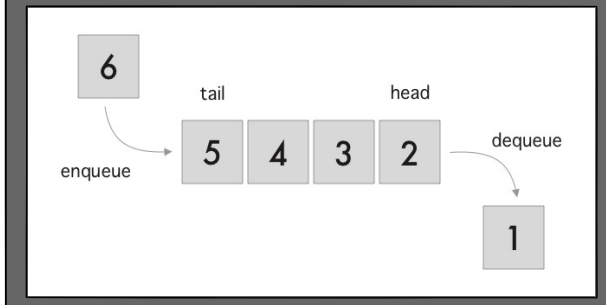
Enter Email

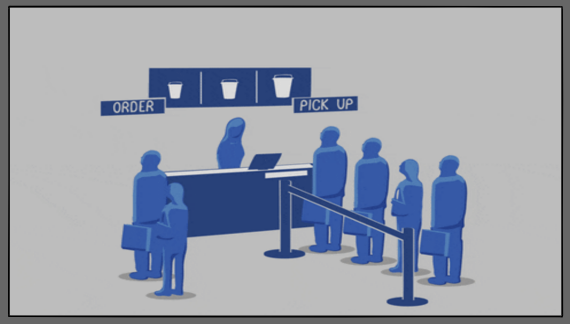
Password

Enter Password

LOG IN







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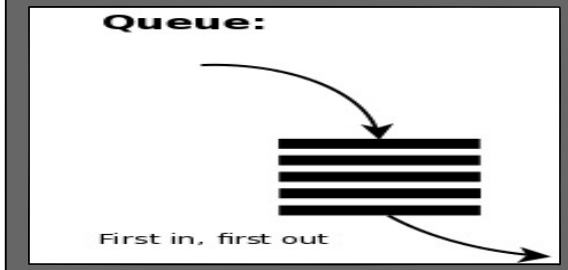

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UserName

Enter name

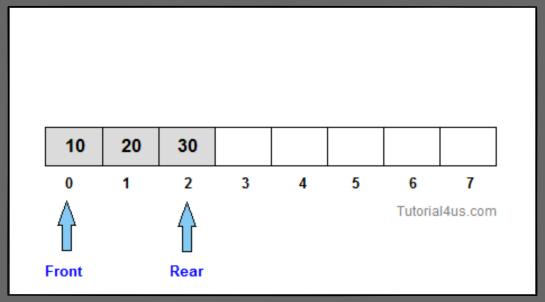
Email

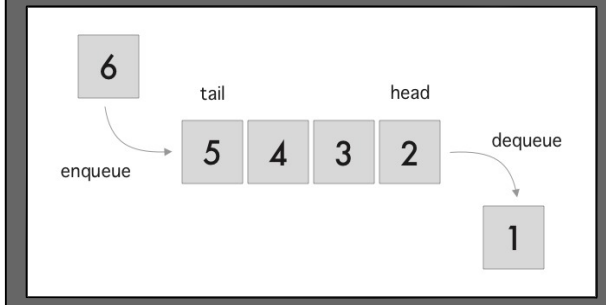
Enter Email

Password

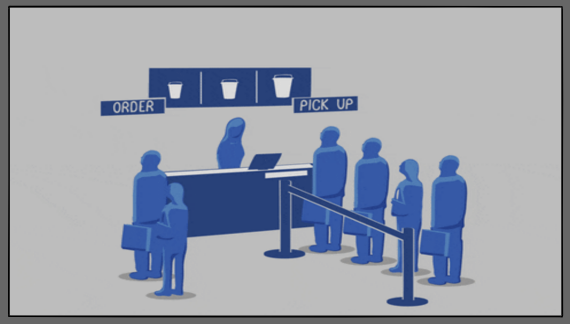
Enter Password

Sign IN





Admin Login



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Admin Log IN Page

UserName

Password

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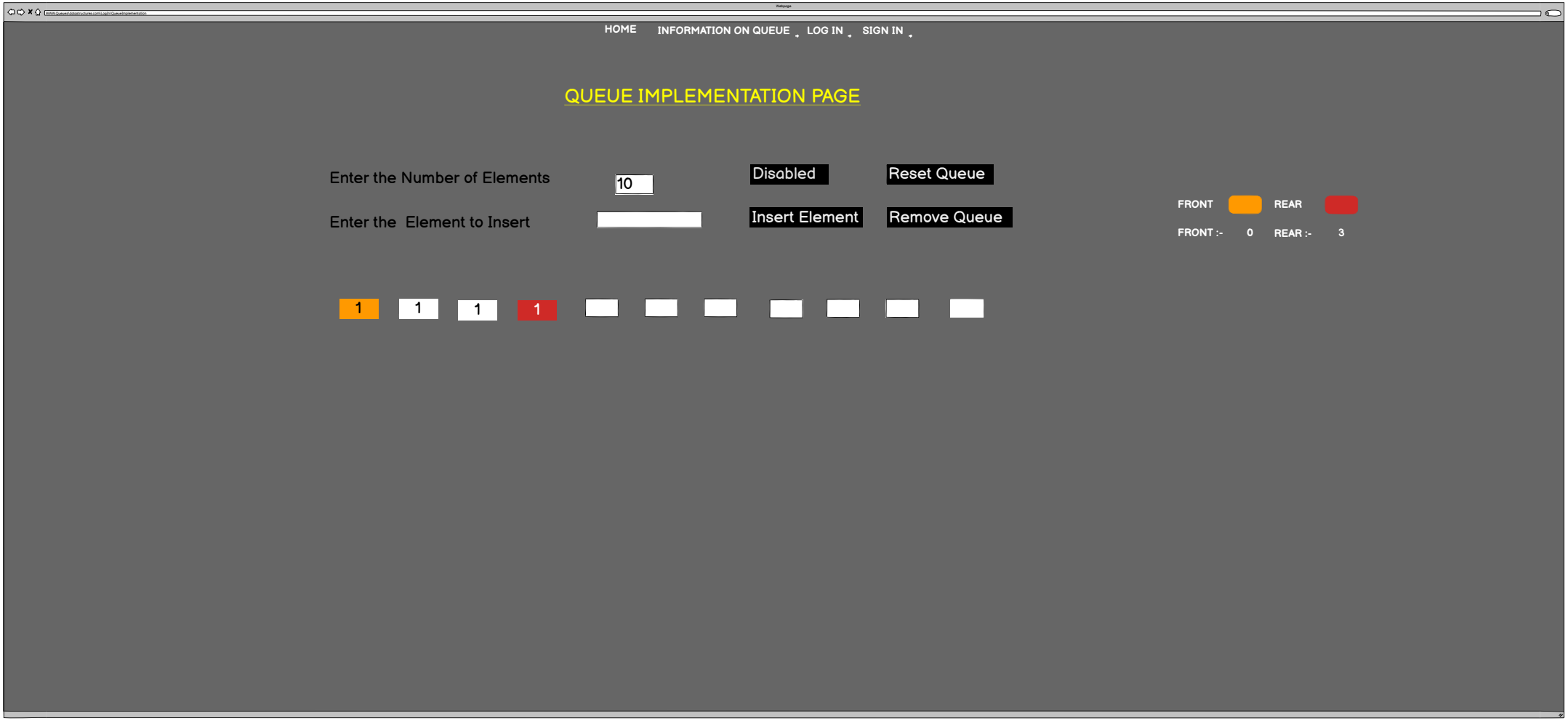
Queue
DATABASE
S.No
Username
Email


HOME
INFORMATION ON QUEUE
LOG IN
SIGN IN
QUEUE IMPLEMENTATION PAGE
Enter the Number of Elements
10
Disabled
Reset Queue
Enter the Element to Insert
Insert Element
Remove Queue
FRONT
REAR
FRONT :- 0
REAR :- 3
1
1
1
1

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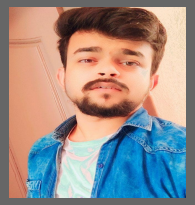
ABOUT US

This website aims to provide user friendly platfrom for the user to learn about Queue data structure



PIYUSH KUMAR SINGH
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PRAKHAR PANDEY
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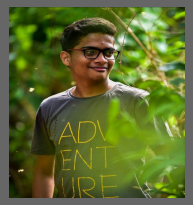

VIGNESH U.
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PREMALATHA H M

TAMAL DEY

Dr. LEKHA ACHUTH
MENTOR