Q1 Instructions

0 Points

To receive full credit on this quiz, you must score at least 50%.

The Github repo for Lecture 7 is at https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-07

Q2 Generics

1 Point

Refer to the ArrayList implementations of stacks and queues used in class:

Which of the following are true of possible implementations of ALQueue and ALStack? Select all that apply:

enqueue and push could use the same implementation (but dequeue and pop would have to differ)
 dequeue and pop could use the same implementation (but enqueue and push would have to differ)
 ALQueue can initialize the ArrayList to be empty, but ALStack cannot
 Both MUST add new items at the end of the ArrayList (at the highest index)
 They can use exactly the same implementation for size()

Q3 Generics

1 Point

Refer to the ArrayList implementations of stacks and queues used in class and the following code:

```
ALQueue myQ = new ALQueue();
myQ.enqueue("A");
myQ.enqueue("A");
myQ.dequeue();
myQ.enqueue("C");
myQ.enqueue("B");
myQ.enqueue(myQ.dequeue());
myQ.enqueue(myQ.dequeue());
System.out.println(myQ.toString());
```

What is printed?

- O front → A, A, C, B, D ← back
- O front → A, B, C, D ← back
- O front → A, C, B, D ← back
- front → B, A, D, C ← back
- O front → B, D, A, A ← back