Queues - Queue Implementation

Dr. Mark R. Floryan

August 17, 2019

1 SUMMARY

For this homework, you will be implementing a linked list based queue.

- 1. Download the starter code and import the project into Eclipse
- 2. Implement the Queue.java class
- 3. Verify your implementation using the provided tester class
- 4. FILES TO DOWNLOAD: Queues.zip
- 5. FILES TO SUBMIT: Queue.java

1.1 QUEUE.JAVA

Implement the *Queue* class inside the Queue.java file. The methods you are responsible for are listed below. This Queue **must be a linked-list based queue**. You may use Java's built-in Linked List (import java.util.LinkedList) or you may use your own implementation from the previous labs.

1.2 Testing and submitting

We are providing a tester class with a main function. This class will add and remove many random elements to your data structure and check that it works correctly. The tester will output an error message if anything goes wrong.

To submit, please submit your Queue.java file.