GIT Department of Computer Engineering
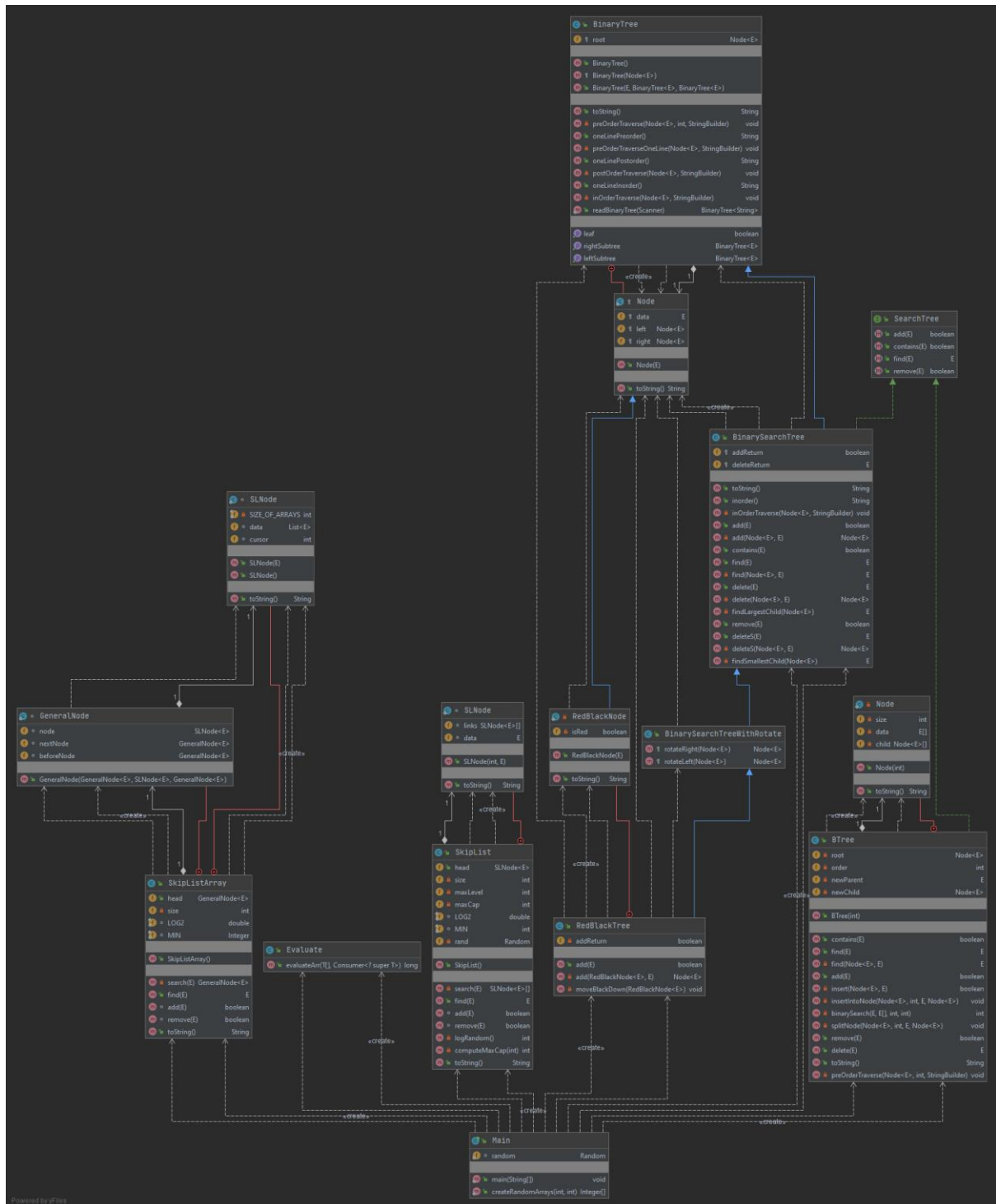# CSE 222/505 - Spring 2020
Homework 7 Question 3 Report

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1801042092

1. CLASS DIAGRAMS

If it is hard to see, I left as addition named 1801042092_Q3_Class_Diagram.png

2. PROBLEM SOLUTION APPROACH

We asked to Compare the performance of the following data structures.

-Regular binary search tree

-Red-Black tree implementation in the book

-Red Black tree implementation in java(TreeSet)

-B-tree implementation in the book

-Skip list implementation in the book

-Skip list implementation in java(ConcurrentSkipListSet)

-Skip list in question Q2

We have to make running time comparison for these data structures.

3. TEST CASES

Tests are added as main method of that question.

4. RUNNING AND RESULTS

Results can be done by run main method but I'll add a text file named 1801042092_Q3_Result.txt about running time comparison of that question