INFS 519 Research Paper/Presentation Spring '19

10 Points.
Instructor: Hal Greenwald

There are two components to this project:

1) Submit a formal Paper (PDF) discussing one of the topics listed below. The paper should be 6 to 7 pages (single space) including source code snippets, images, and tables. Your paper must be well written and formatted in a manner that upholds Graduate level scholarship.

Organizational format should be as follows:

- Title
- Abstract (one or two paragraphs)
- Text
- Bibliography (minimum 4 published sources, excluding Wikipedia)

Select a topic that demonstrates your research/understanding of Java Data Structures in one of the following areas:

- Red-black trees
- M-ary tree
- Aa-tree
- Hash Table - Linear Probing
- Skew heap
- D-heap
- Dijkstra's algorithm
- Splay tree
- B+ tree
- Topological Sort
- Topic of your choice (I must approve)

Let me know if you have difficulty selecting a topic, and I will assist.
Please note: Credit will not be given in the event of <u>plagiarism.</u>
Paper due May 7 11:59 PM. (No papers will be accepted after that time)

2) You will give a ~10 minute technical talk/presentation to the class on April 30 which will include a slide presentation (PowerPoint or PDF) discussing your selected research topic.