CS214: Project

February 8, 2025

1 Requirements

- Implement your project using the `C++` programming language.

- Create a presentation to explain your project.

- Each student must present a part of the presentation.

- You will have up to 15 minutes for the presentation and 5 minutes for questions.

- Upload your presentation and code before the deadline.

- Each student in the group must understand the full project.

2 Code Requirements

- Use at least two of the data structures you studied in this course.

- You must implement and use at least one of the following:
  - Heap / Heap sort
  - Priority queues
  - Hash tables / maps / dictionaries
  - Segment Trees
  - Red-Black Trees
  - B-trees
  - Any other data structure not covered in this course.

- Read and write to a file.

- Use a version control system such as git.

- Object-oriented programming (OOP) is optional. However, you must organize your code in functions or methods if you choose to use OOP.

- Avoid global state (global variables). See Why is Global State so Evil?

3   Grading

Criteria	Points
Submission on time	2
Presentation	5
Cover all the requirement	2
Discussion	1
Total	10

4   Grading

To be announced soon in Shaa Allah.