

Implementing Priority Queues

Priority Queue – a data structure with three key operations:

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Examples: hospital triage, security threats, Dijkstra's (lowest cost)

How do we build one from scratch? Consider our data structure options so far. How might you use each of these? Which seems best from a performance perspective?

- Linked List
- Array List
- Tree/Binary Search Tree
- Hashmap/Dictionary
- HashSet/set
- Class of our own design (e.g., graph)