Before Class:

- Journal Up

1. Heap Basics
   - Two Properties
   - Array Representation
   - Heap Insert
   - Heap Remove

2. Heapsort
   - Naive sort - insert all, remove all
   - Improved O(n) adding
   - O(n) analysis
   - Advantages of Heapsort

3. Sorting Lower Bounds
   - Comparison Sorts
   - Decision Trees
   - Height of Decision Tree

Next Class:

- Let’s cheat the system
- Homework collaboration review
- Homework Q2 instruction
- Evaluations!