

- \* Able to use Linux terminal effectively.
- \* D.S. Bal. Search Tree, Set, Hash Tables, Graphs.
- \* Graph algorithms + linear sort.
- \* Work effectively in teams — communication + respect.
- \* Do document — Diagrams, class list, ADTs.
- \* Become craftspeople. — peer review.

Base on the quality of completed work.  
as determined by final weighted percent.

### Team project

- \* Design docs. 30%
- \* Static GUI 20%
- \* Dynamic GUI 50%

Top Hat 75% of all = 10 pts.

Piazza 1 endorsed Q or A = 10 pts.

Topic Paper or Instructional Video = 10 pts for good or better  
by week 10.

what is Linux?

An Awesome Operating System. — CS400 workstation.

what is a terminal?

Workstation connected to a main frame.

How do we remotely connect to a CS Linux terminal?

ssh best-linux.cs.wisc.edu.

Win User: Download PuTTY.

what can we do once we connect to a CS Linux terminal?

\* Copy files from CS400. to our local directory in cs network

\* Hand in files to CS400 directories.

\* Edit - compile - Run programs

\* Automate tasks with scripts + schedule

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creat ...

pico

nano

emacs

VI — Best.

How can we test a class that implements one of our ADT or data structures?

1. separate test class w/ main

2. write "test" code

a. write test methods

b. call test methods from main.

3. what tests?

constructor

insert

remove

lookup

PO with no items.