Lecture 8 Thursday Oct 3

What information should be in comments according to John Ousterhout? How does this fit into the broader approach to software engineering that Patterson is promoting in the CS169 lectures?

What is mutation testing? How does it relate to behavior driven development?
What are mock objects and how are they used in testing?

Which of the following are specification-based testing techniques (check those that are):

___ ad hoc testing
___ boundary-value testing
___ control-flow-based testing
___ equivalence testing
___ exploratory testing
___ mutation testing
___ random testing

For the terms: A) test coverage, B) test method, C) test plan, and D) test responsibility, indicate which term starts which sentence:

----- documents the strategy that will be used to verify and ensure that a product or system meets its design specifications and other requirements.

----- in the test plan states how test coverage will be implemented.

----- in the test plan states what requirements will be verified during what stages of the product life.

----- includes what organizations will perform the test methods and at each stage of the product life.