CS150 - Moe on unit tests 3/1/2012 Announcements -MT average - 58.5 - HW due next Thursday (Over new of midtern)

Theory of Unit testing Unit testing is part of top-down design.

Idea is to care fully specify
requirements a behavior expected.

Then run tests often - at completion
or change of any included module,
at least. One way - run a script

Our way of unit testing:

Example: File xxx.py class XXX: # code for class # fest code This test only runs when we type (not twhen module is imported) How to use unittest (PyUnt)

Import it: import unittest

Unit teste themselves consist of functions the programmer writes to test the lodg.

Eq:

if __name__= "__main__": unittestomain() Example: a stack A simple data structure w/3 functions. - Pop() Push(c) (If empty, None 15 returned) Let's code this, or then test it.

Coded some example unit tests for