Test driven Development

Lesson by: Mike Burton from Perfect Minute Games, has done test driven development since he started 20 years ago.

Terminology –

Unit test – Common usage: Any test that focus on one class or function.

Unit test – my usage: A test that focuses on a single operation in isolation.

Integration test: A test that validates and operation comprised of multiple sub operations.

Acceptance test: A test that validates something obvious from outside the system.

End to End test: A test that simulates user interaction and validates the same things a user would.

Unit Tests:

Why the difference?

* Anything can be a unit, but TDD practitioners reserve that word for granular level code
* Unit tests, defined this way, are not “tests” in the usual sense – they do not perform system validation.

If they’re not tests, why write them?

* Specify the behavior of an operation without reference.