Unit Testing is like cooking!
(you’ll see!)

Screenteam

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Why?
How?
Then?
Managing complexity
Managing complexity
Avoiding chain reactions
Regression
Saving time
Improving structure
Improving structure
Unit Testing is like cooking!

- Classes to test
- Environment for Testing
- Testcases
- Fixtures
- Testing Framework
PHPUnit ≠ tx_phpunit

... but somehow similar
A simple class:

class superMathematics {
    static function add($a, $b) {
        return $a + $b;
    }
}

A small Test Case:

class superMathematics_testcase extends PHPUnit_testcase {

    public function testAdd() {
        $this->assertEquals(12,
            superMathematics::addition(5, 7) );
    }
}
A more complex class:

class tx_seminars_place extends tx_seminars_objectfromdb
{

    function getCity()
    {
        return $this->getRecordPropertyString('city');
    }

    function getCountryIsoCode()
    {
        return $this->getRecordPropertyString('country');
    }
}
Fixtures are like spices

private $fixture;

public function setUp() {
    $uid = $this->testingFramework->createRecord(
        tx_seminars_sites,
        array(
            'title' => 'TEST Place 1',
            'city' => 'Tokyo',
            'country' => 'JP',
        ),
    );
    $this->fixture = new tx_seminars_place($uid);
}
A Test Case:

class tx_seminars_place_testcase extends tx_phpunit_testcase {
    public function testGetCityReturnsCityName() {
        $this->assertEquals('Tokyo', $this->fixture->getCity());
    }
}

public function testGetCountryIsoCodeReturnsIsoCode() {
    $this->assertEquals('JP', $this->fixture->getCountryIsoCode());
}
Let’s play!
Test different aspects

- Functionality
- Edge cases
- Regression
Kitchen Tools can help!
Risks of Unit Testing

Don’t eat too much!

Don’t cook bullshit!
Workflow

He’s a cool developer!

That’s the SVN Server!
Local testing

Coding → Unit Testing → drinking coffee → Subversion

Committing only tested code!
Continuous Integration

- Coding
- Unit Testing
- Drinking coffee

→ Subversion
Continuous Integration

Coding → Subversion
Unit Testing → Unit Testing
drinking coffee

Committing un-tested code!
less than 2% of all extensions in TER are unit tested
feels good!
Why?  
How?  
Then?
page intentionally left blank for your questions
Thanks for your attention...

... and happy cooking!

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