//PHP Testing

TTD Test-Driven Development

Different Types of Testing

Unit/Isolated Tests – individual modules of code are functioning, small

Run fast, don’t talk to databases, APIs

Integration/Acceptance Tests – slow, units of code talking to each other, talks to real things (databases)

Functional Tests – verify that the application itself is behaving correctly

very slow

PHPUnit

tests PHP code

Continuous Deployment – Automated tests

Packagist - a web application that traces dependencies over the internet using Composer

Composer – a tool for managing dependencies for your project and installing directly

PHP Framework – Front Controller – one script through which all requests are run

bootstrapping – creating an environment for your test to run in

For unit testing, use Twig

Basic Unit Test

Writing Tests for Code that Already Exists

OpenCFP

Acceptance/Integration Tests – scenarios to make sure modules communicate correctly

\HTMLPurifier() – composer

Data Provider – create multiple sets of test data that can be passed in as parameters

VFS stream (Virtual File System)

Test Doubles – (but can’t mock PDO) (private and protected class methods cause issues)

//Building a Basic PHP Website