# Yii2 Testing with Codeception

1、Install yii2-basic via Composer

php composer.phar create-project --prefer-dist --stability=dev yiisoft/yii2-app-basic basic

 2、you should be able to access the application through the following URL：

<http://www.yiitest.com/>

3、CONFIGURATION

Edit the file config/db.php with real data, for example:

return [

'class' => 'yii\db\Connection',

'dsn' => 'mysql:host=localhost;dbname=yii2basic',

'username' => 'root',

'password' => '1234',

'charset' => 'utf8',

];

4、TESTING

Tests are located in /tests directory. They are developed with [Codeception PHP Testing Framework](http://codeception.com/). By default there are 3 test suites:

* unit
* functional
* acceptance

Tests can be executed by running：

vendor/bin/codecept run

The command above will execute unit and functional tests. Unit tests are testing the system components, while functional tests are for testing user interaction. Acceptance tests are disabled by default as they require additional setup since they perform testing in real browser.

For easy use codeception with Yii2, i propose to do a few things:

1. install codeception globally and locally
2. set the PATH, or an alias for codeception bin folder
3. check whether codeception has a properly configured files

5、Install codeception globally and locally by composer

It is possible that during the installation Yii2 also codeception is installed, you can check the file composer.json your application, section require-dev.

"require-dev": {

"codeception/base": "^2.x.x",

"codeception/verify": "~0.x.x",

"codeception/specify": "~0.x.x"

},

If you do not have, install this command：

composer require "codeception/codeception=2.2.\*" "codeception/specify=\*" "codeception/verify=\*"

To use short commands type codecept run I recommend to install codeception globally：

composer global require "codeception/codeception=2.2.\*" "codeception/specify=\*" "codeception/verify=\*"

Now you can use command：

~/.composer/vendor/bin/codecept

6、short command and globally are avaiable:

codecept bootstrap

codecept build

codecept run

7、Codeception config files：

You can find config file in /config/test.php and /config/test-db.php