Unit testing with PHPUnit

PHPUnit is the most popular PHP testing framework. It is simple for configuration and usage. Also, the framework supports code coverage reports and has a lot of additional plugins. Codeception from the previous recipe uses PHPUnit for own work and writing unit tests. In this recipe, we will create a demonstration shopping cart extension with PHPUnit tests.

Getting ready

Create a new yii2-app-basic application using the Composer package manager, as described in the official guide at <http://www.yiiframework.com/doc-2.0/guidestart-installation.html>.

How to do it...

First, we must create a new empty directory for own extension.

**Preparing extension structure**

1. First, create the directory structure for your extension:

book

1 cart

I— src '— tests

To work with the extension as a Composer package, prepare the book/cart/composer. j son file like this:

{

"name": "book/cart",

"type": "yii2-extension",

"require": {

"yiisoft/yii2": "~2.0"

},

"require-dev": {

"phpunit/phpunit": "4.\*"

},

"autoload": {

"psr -4": {

"book\\cart\\": "src/",

"book\\cart\\tests\\": "tests/"

}

},

"extra": {

"asset-installer-paths": {

"npm-asset-library": "vendor/npm",

"bower-asset-library": "vendor/bower"

}

}

}

2. Add the book/cart/. gitignore file with the following lines:

/vendor

/composer.lock