

# Setup CodeIgniter

## tutorial #tutorial02b

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## Tutorial Goals

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This tutorial will walk you through setting up CodeIgniter for use with multiple webapps on your computer.

Suggestion: you may want to skim the slideshow first, before working your way through it.

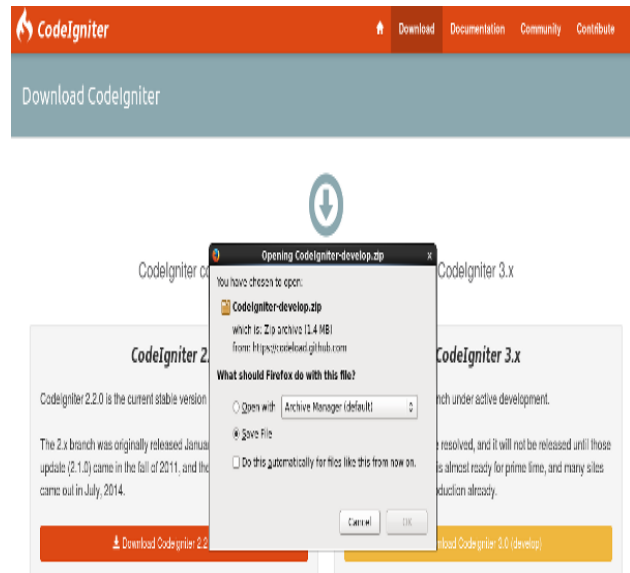
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## Get CodeIgniter3

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Download CodeIgniter 3 from the project's [download page](#)

There may be two versions of CodeIgniter 3: the "stable" one and the "develop" branch. If so, the stable one will have the user guide pre-built, while the develop one will have the source for the user guide (build it yourself) and unit tests.



## What Do You Have?

The folder view to the right shows the results of extracting the downloaded CodeIgniter3 "develop" archive.

The "system" folder contains the framework itself, while the "application" folder contains a starter webapp, used in conjunction with the "index.php" front controller.

The "license.txt" file is included with all distributions, but the other files and folders are only needed for development of the framework itself.

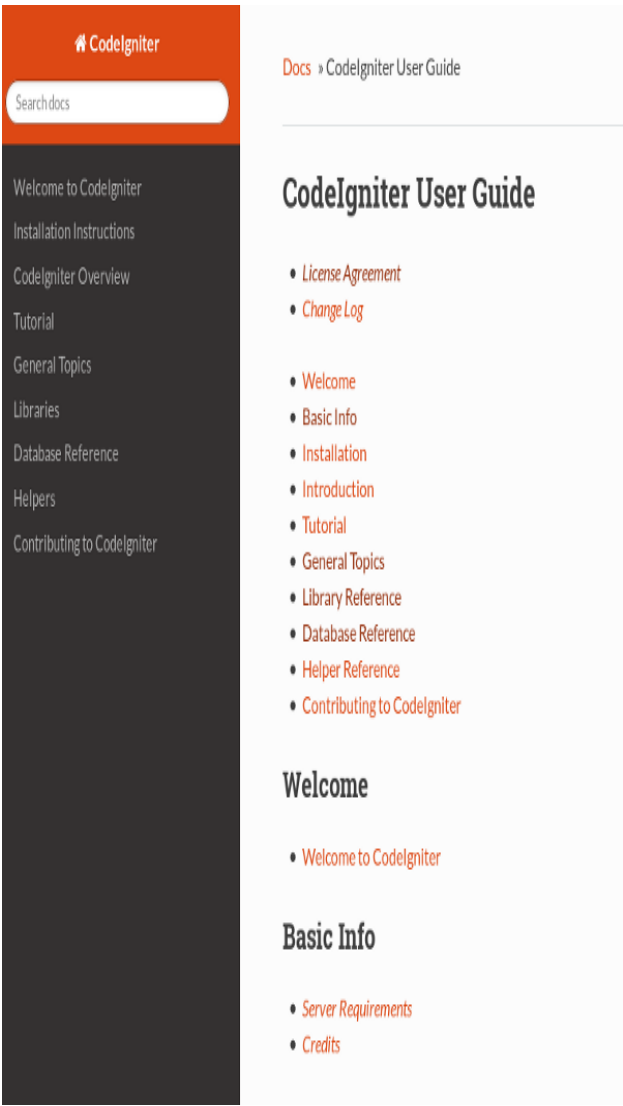
Name	Size	Type	Date Modified
CodeIgniter-develop	11 items	folder	Tue 13 Jan 2015 05:53:25 AM PST
application	13 items	folder	Tue 13 Jan 2015 05:53:25 AM PST
system	7 items	folder	Tue 13 Jan 2015 05:53:25 AM PST
tests	6 items	folder	Tue 13 Jan 2015 05:53:25 AM PST
user_guide_src	4 items	folder	Tue 13 Jan 2015 05:53:25 AM PST
composer.json	193 bytes	plain text document	Tue 13 Jan 2015 05:53:25 AM PST
contributing.md	6.3 KB	Genesis ROM	Tue 13 Jan 2015 05:53:25 AM PST
DCO.txt	1.1 KB	plain text document	Tue 13 Jan 2015 05:53:25 AM PST
index.php	9.6 KB	PHP script	Tue 13 Jan 2015 05:53:25 AM PST
license.txt	1.1 KB	plain text document	Tue 13 Jan 2015 05:53:25 AM PST
phpdoc.dist.xml	486 bytes	XML document	Tue 13 Jan 2015 05:53:25 AM PST
readme.rst	2.1 KB	plain text document	Tue 13 Jan 2015 05:53:25 AM PST
.gitignore	316 bytes	plain text document	Tue 13 Jan 2015 05:53:25 AM PST
.travis.yml	1.1 KB	plain text document	Tue 13 Jan 2015 05:53:25 AM PST
CodeIgniter-develop.zip	1.4 MB	Zip archive	Tue 13 Jan 2015 09:22:03 AM PST

# CodeIgniter User Guide

The User Guide for CodeIgniter 3 contains "how to" articles, as well as component API references.

The [User Guide](#) can be found online too, or [downloaded](#) separately.

If you downloaded the "release" version of CodeIgniter 3, I suggest moving the user guide subfolder into a convenient location on your system, for instance your desktop.



## Store the Framework

It is a good idea to keep the framework itself outside of your webapp.

This is more secure, and it makes it easy to share the framework, and any updates, across multiple webapps.

Move the "system" folder into your htdocs folder, and rename it "system3". That will make it easy to work with different versions of the framework for different webapps.

system	7 items folder	Thu 29 May 2014 04:13:03 PM PDT
system3	7 items folder	Tue 13 Jan 2015 05:53:25 AM PST
core	19 items folder	Tue 13 Jan 2015 05:53:25 AM PST
database	9 items folder	Tue 13 Jan 2015 05:53:25 AM PST
fonts	2 items folder	Tue 13 Jan 2015 05:53:25 AM PST
helpers	22 items folder	Tue 13 Jan 2015 05:53:25 AM PST
language	2 items folder	Tue 13 Jan 2015 05:53:25 AM PST
libraries	27 items folder	Tue 13 Jan 2015 05:53:25 AM PST
index.html	114 bytes HTML document	Tue 13 Jan 2015 05:53:25 AM PST
.htaccess	117 bytes plain text document	Tue 13 Jan 2015 05:53:25 AM PST

## Your Webapp Starter

If you eliminate the "develop"-only files and folders, what you are left with is an application starter: index.php and the application folder.

The subfolders inside "application" give you a pretty good idea of what goes where.

CodeIgniter-develop	4 items folder	Tue 13 Jan 2015 05:53:25 AM PST
application	13 items folder	Tue 13 Jan 2015 05:53:25 AM PST
cache	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
config	15 items folder	Tue 13 Jan 2015 05:53:25 AM PST
controllers	2 items folder	Tue 13 Jan 2015 05:53:25 AM PST
core	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
helpers	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
hooks	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
language	2 items folder	Tue 13 Jan 2015 05:53:25 AM PST
libraries	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
logs	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
models	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
third_party	1 item folder	Tue 13 Jan 2015 05:53:25 AM PST
views	3 items folder	Tue 13 Jan 2015 05:53:25 AM PST
index.html	114 bytes HTML document	Tue 13 Jan 2015 05:53:25 AM PST
.htaccess	123 bytes plain text document	Tue 13 Jan 2015 05:53:25 AM PST
index.php	9.6 KB PHP script	Tue 13 Jan 2015 05:53:25 AM PST
license.txt	1.1 KB plain text document	Tue 13 Jan 2015 05:53:25 AM PST
readme.rst	2.1 KB plain text document	Tue 13 Jan 2015 05:53:25 AM PST

## Configure Your Starter

Tailor the index.php setting that tells CodeIgniter where to find the framework files.

I suggest renaming the folder you are left with, for instance to codeigniter3-starter. You will use it to start any new CodeIgniter webapp.

```

/*
 * -----
 * SYSTEM FOLDER NAME
 * -----
 *
 * This variable must contain the name of your "system" folder.
 * Include the path if the folder is not in the same directory
 * as this file.
 */
$system_path = '../system3';

```

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## Tailor Your Starter

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We have one last little thing to do for your starter: add a ".htaccess" file to the starter's root. Its contents are shown right.

This is an Apache configuration file, which lets us reference our webapp controllers without having to include the "index.php" portion in a location URL.

If you are using a different web server, this may not help.

```
DirectoryIndex index.php index.html
RewriteEngine on
# Allow requests for valid file or folder
RewriteCond %{REQUEST_FILENAME} -f [OR]
RewriteCond %{REQUEST_FILENAME} -d [OR]
RewriteCond $1 !^(robots\.txt|favicon\.ico)
RewriteRule ^(.*)$ - [L]
# use index.php as front controller ...
RewriteRule ^(.*)$ ./index.php/$1 [L]
```

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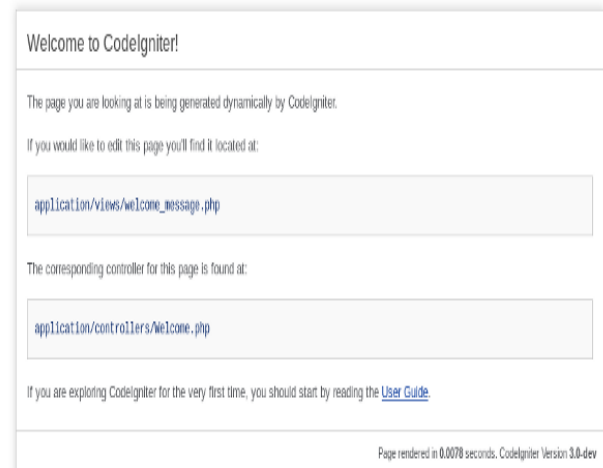
## Are We Done Yet?

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Let's see. Replace the contents of the folder you have comp4711.local mapped to, with the contents of the starter folder you just made.

Open the homepage for that in your browser.

You should see the same as this :)



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## Congratulations!

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You have completed tutorial #tutorial02b: Setup CodeIgniter

If you would take a minute to provide some feedback, we would appreciate it!

The next activity in sequence is: tutorial02c Convert Static Site to CodeIgniter

You can use your browser's back button to return to the page you were on before starting this activity, or you can jump directly to the course homepage, organizer, or reference page.