Getting Started

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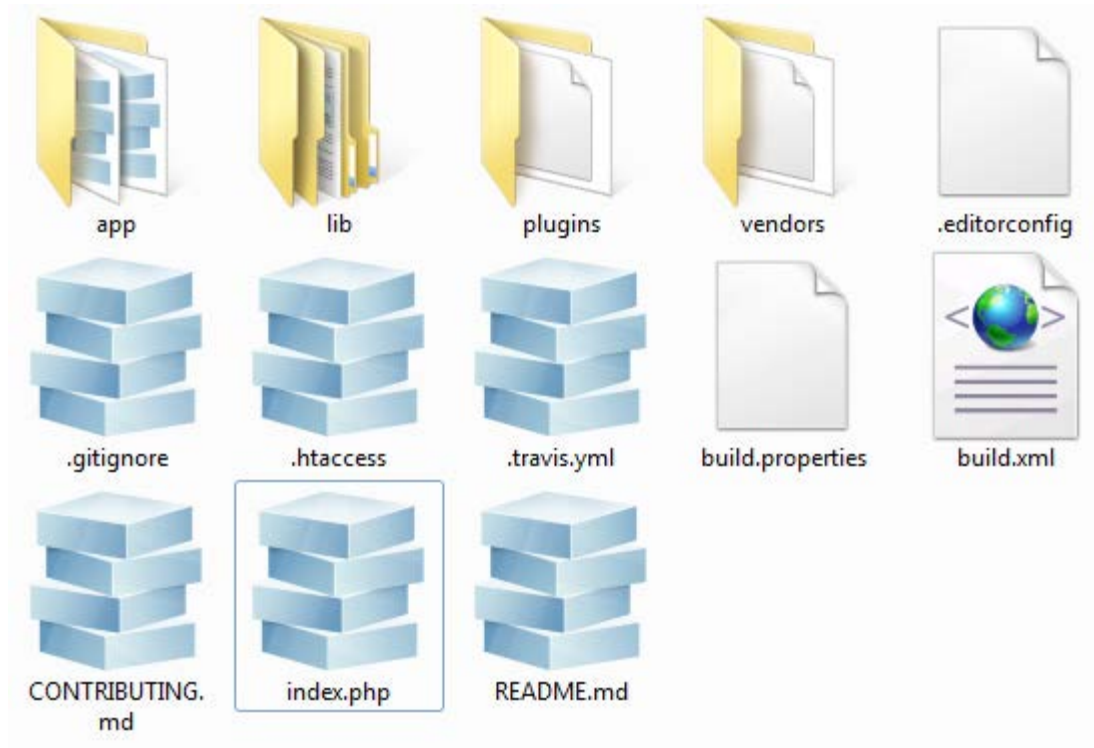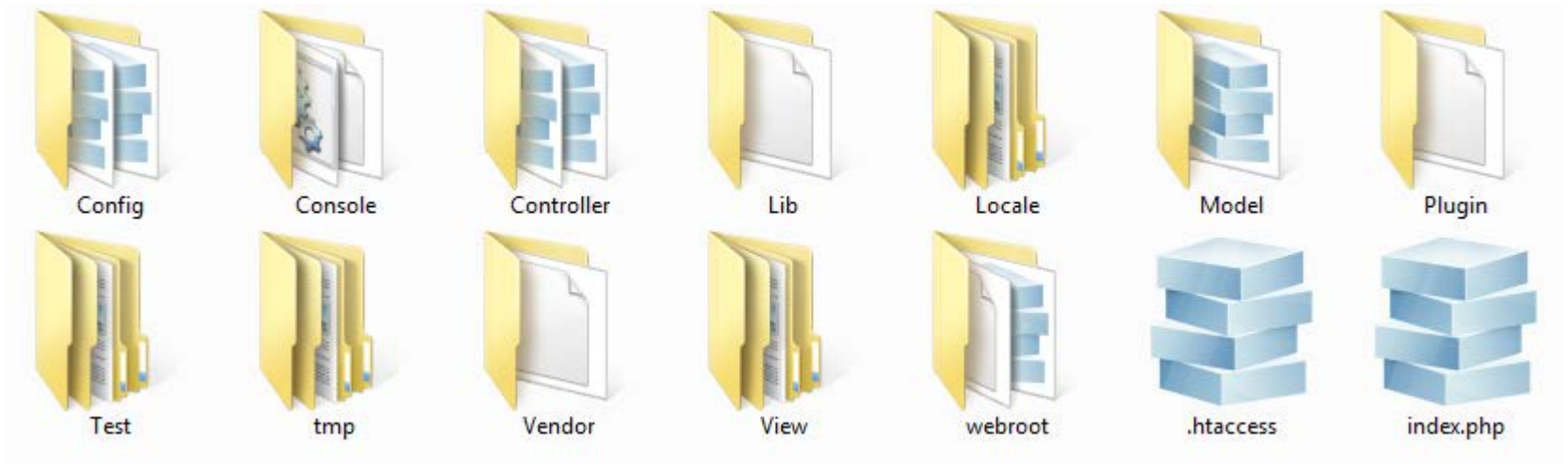
Getting Started

- **CakePHP Folder Structure**
- **CakePHP Naming Rules**
    - There are a set of rules when naming your files, classes and functions.
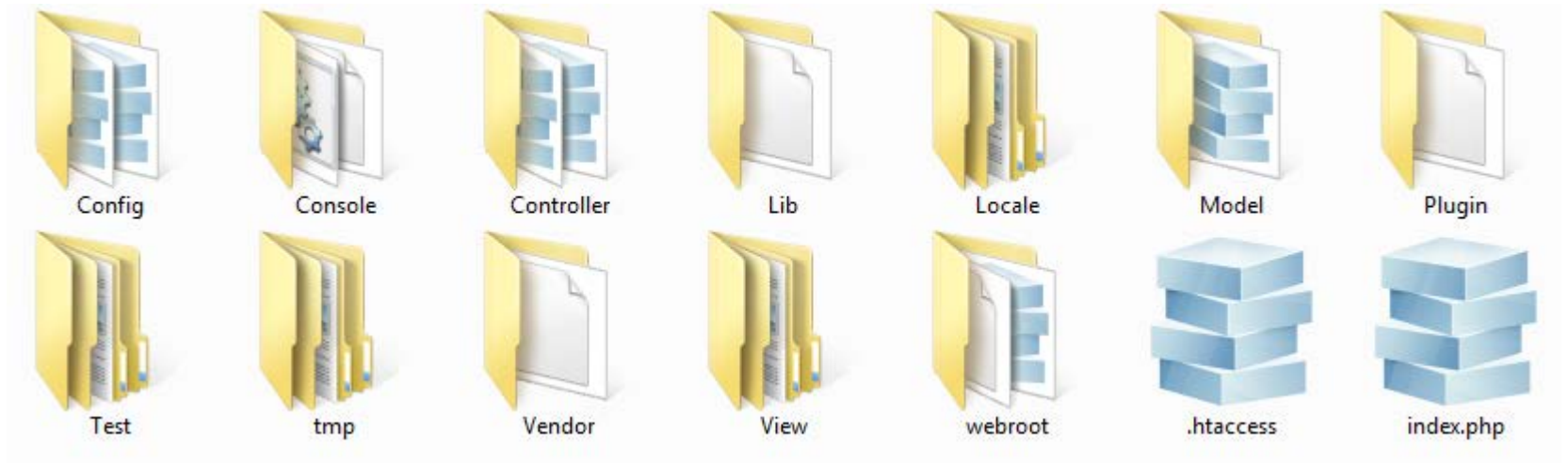
Folder Structure

- **Contents of CakePHP Directory**

Inside the App Folder

Config　Console　Controller　Lib　Locale　Model　Plugin
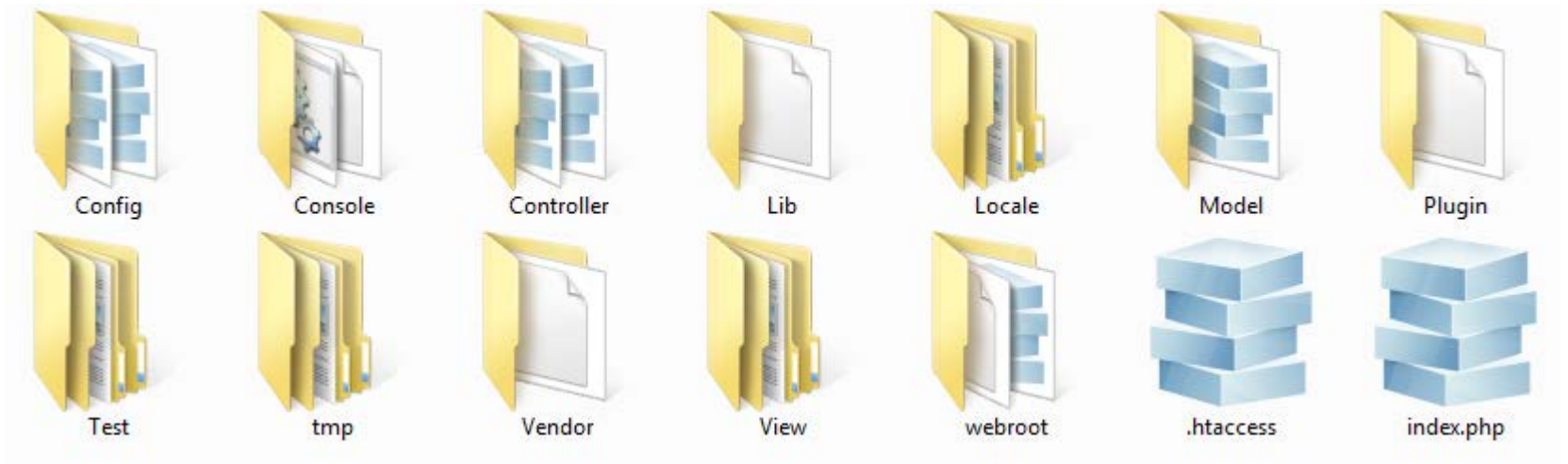
Test　tmp　Vendor　View　webroot　.htaccess　index.php

Inside the App Folder

Config -
Contains a few of the configuration files such as: database connection, core configuration, bootstrapping.
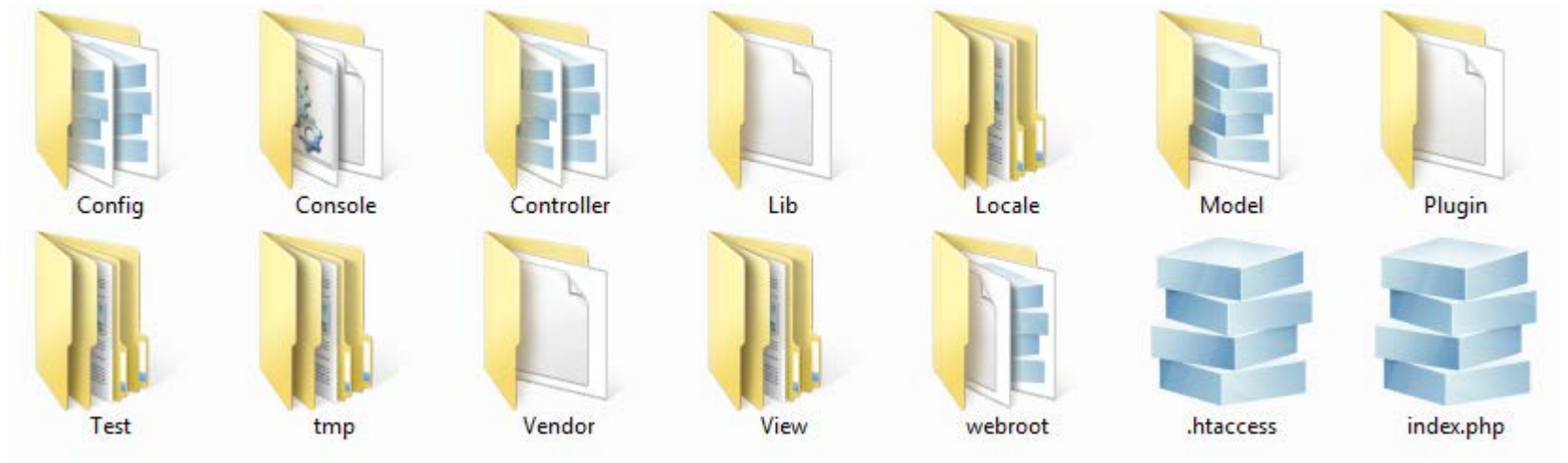
Inside the App Folder

Console -
Console command and console tasks are located in this folder.

Inside the App Folder

Config   Console   Controller   Lib   Locale   Model   Plugin
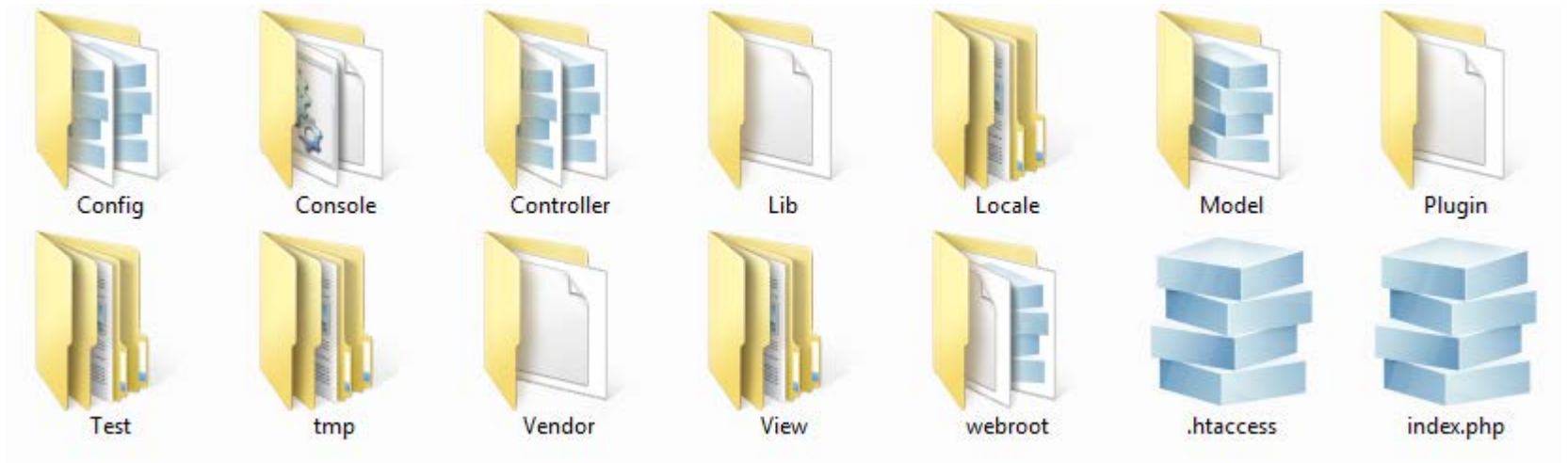
Test   tmp   Vendor   View   webroot   .htaccess   index.php

Controller -
Contains your application's controllers and components.

Inside the App Folder
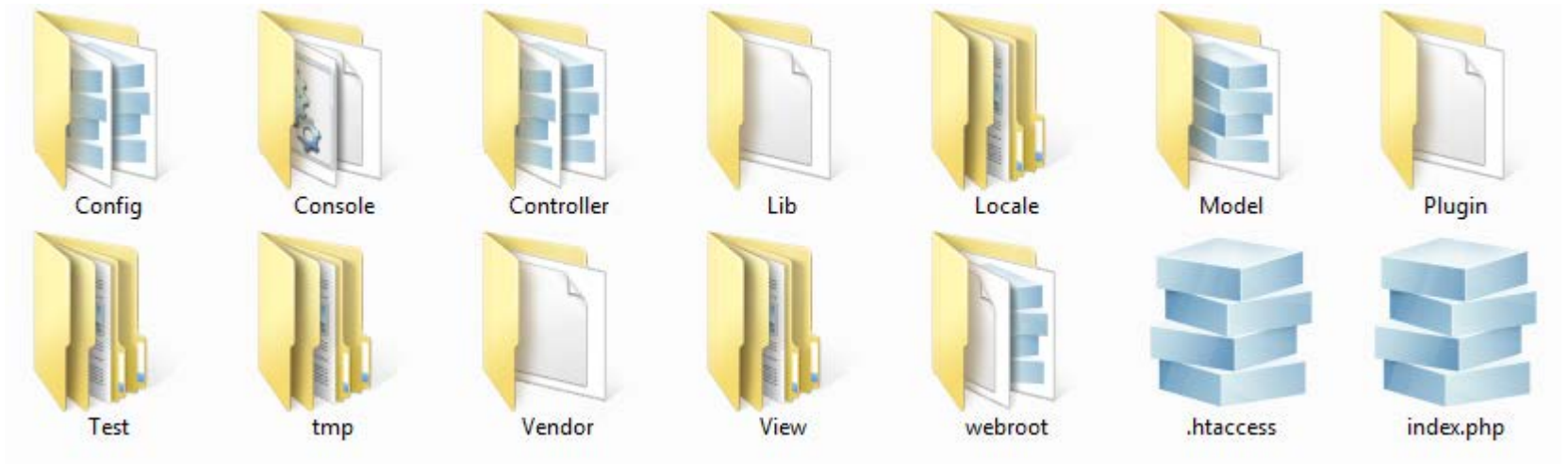

Lib -
Contains first-party libraries that do not come from third-parties or external vendors. Keeps your libraries separate from third party vendors.

Inside the App Folder

Config Console Controller Lib Locale Model Plugin

Test tmp Vendor View webroot .htaccess index.php

Locale -
Stores the string files needed for internationalization.

Inside the App Folder

Config   Console   Controller   Lib   Locale   Model   Plugin

Test   tmp   Vendor   View   webroot   .htaccess   index.php
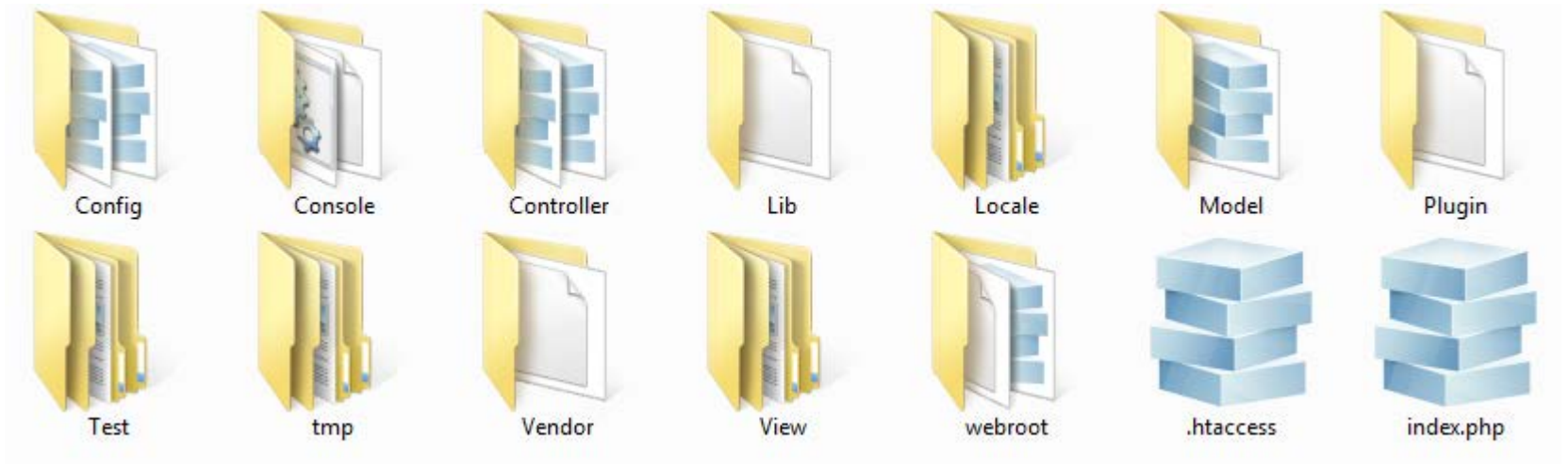
Model -
Contains your application's models, behaviors, and data sources.

Inside the App Folder

Config   Console   Controller   Lib   Locale   Model   Plugin

Test   tmp   Vendor   View   webroot   .htaccess   index.php
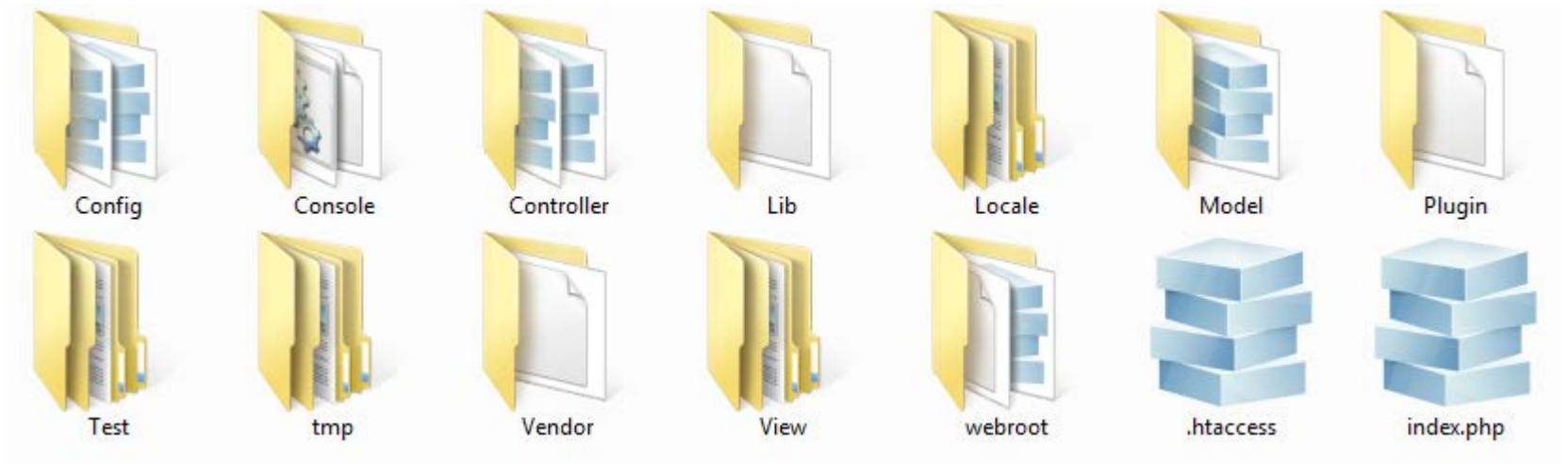
Plugin -
This is where your plugin packages will be stored.

Inside the App Folder

Config   Console   Controller   Lib   Locale   Model   Plugin

Test   tmp   Vendor   View   webroot   .htaccess   index.php
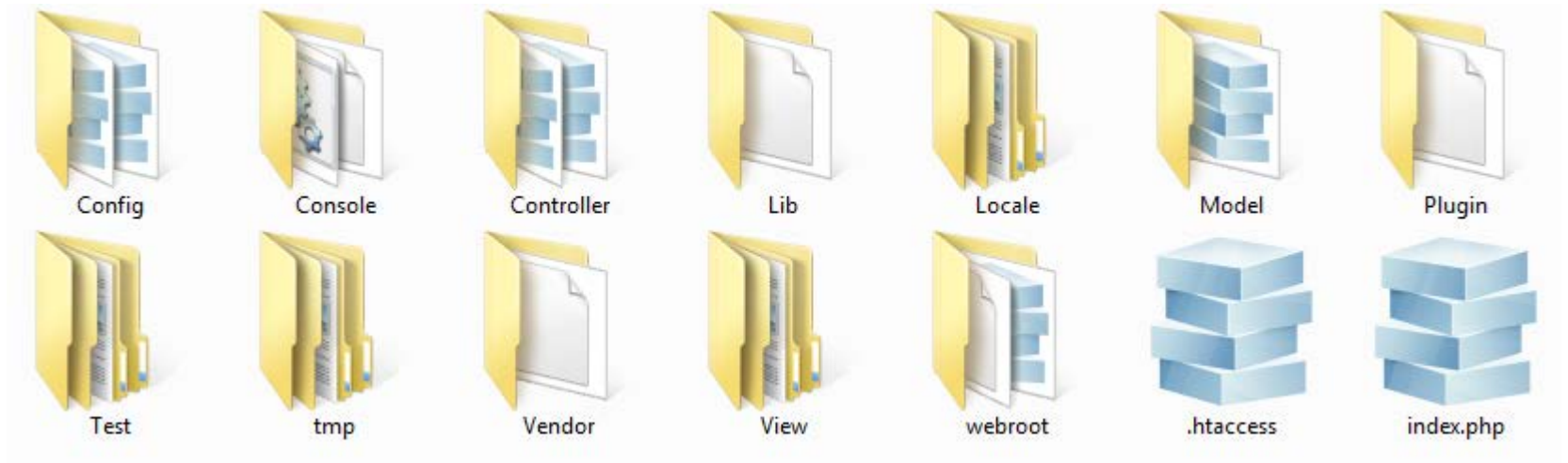
Test -
This directory contains your test cases and test fixtures for your application.

Inside the App Folder

Config · Console · Controller · Lib · Locale · Model · Plugin

Test · tmp · Vendor · View · webroot · .htaccess · index.php
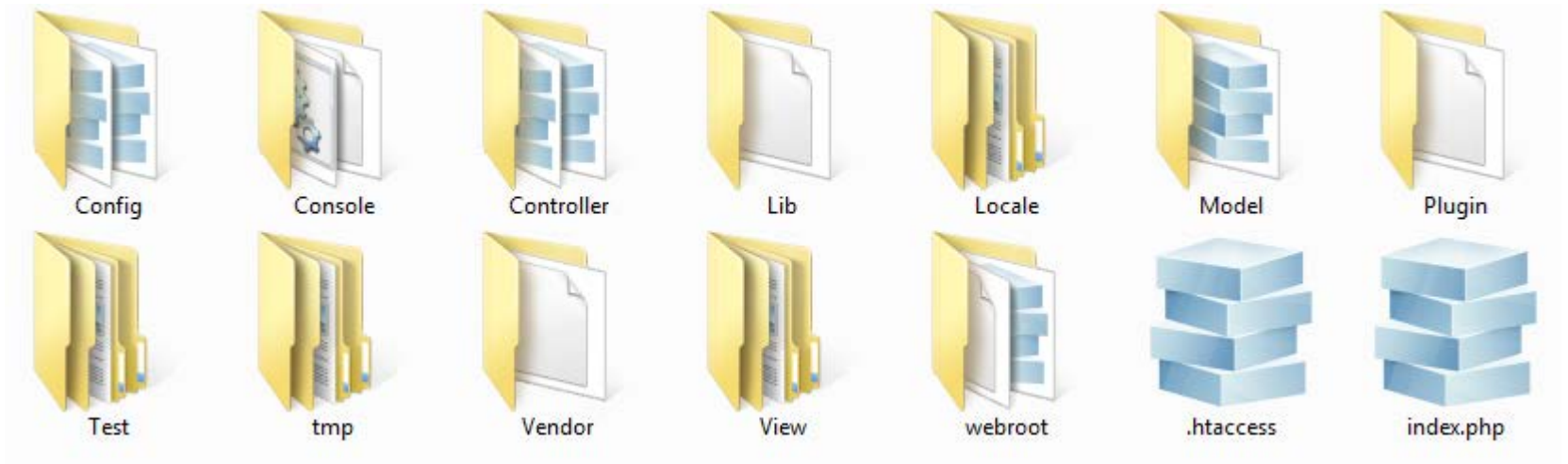
tmp -
Temporary data will be stored here.

Inside the App Folder

Config   Console   Controller   Lib   Locale   Model   Plugin

Test   tmp   Vendor   View   webroot   .htaccess   index.php

Vendor -
Third-party libraries and classes are placed here.

Inside the App Folder

Config Console Controller Lib Locale Model Plugin

Test tmp Vendor View webroot .htaccess index.php
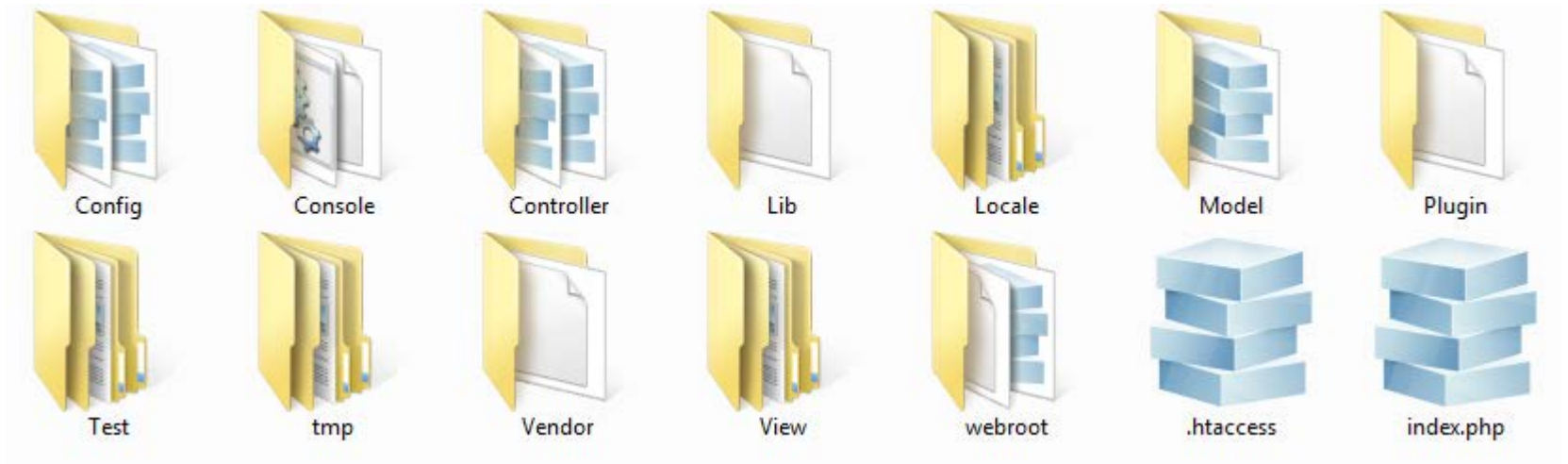
View -
All presentation files are located here. These include views, elements, helpers, layouts, and error pages.

Inside the App Folder

Config   Console   Controller   Lib   Locale   Model   Plugin

Test   tmp   Vendor   View   webroot   .htaccess   index.php

webroot -
This folder will serve as the document root of our application in a production setup. CSS, JavaScript, and images are also stored in this folder.

Naming Controllers

- **CamelCase**
- **End with word "Controller"**
- **Pluralized**
- **Examples**
  - DessertsController.php
  - LatestRecipesController.php
- **Located in the Controller Folder**
  - /app/Controller/DessertsController.php

Naming Controller Functions

- **camelCased (lowercase first word)**
- **No Underscores**
- **Examples**
  - cakes()
  - favoriteCookies()
- **Protected/Private functions**
  - Any function you don't want accessed directly from the web should be prefixed with _
  - Example
    - _findLatestRecipe()

Naming Views

- **Named After the Controller Functions They Display**
- **All Lowercase**
- **Underscore to Separate Multiple Words**
- **Examples**
  - cakes() -> cakes.ctp
  - favoriteCookies () -> favorite_cookies.ctp
- **Located in the Controller Named Folder of the View Folder**
  - Create a folder inside the Views folder and name it the name of the controller minus the "Controller" portion.
  - /app/View/Desserts/favorite_cookies.ctp

Naming Models

- **Singular**
- **CamelCase**
- **Examples**
  - Pastry.php
  - PuffPastry.php
- **Located in the Model Folder**
  - /app/Model/Pastry.php

Naming Database Tables

- **Table Names Correspond to the Model Names**

- **Pluralized**

- **All Lowercase**

- **Underscore to Separate Multiple Words**

- **Examples**
  - Pastry.php -> pastries
  - PuffPastry.php -> puff_pastries

Naming Database Table Fields

- **Primary Key**
  - id
- **All Lowercase**
- **Separate words with underscore**
- **Examples**
  - title
  - cake_name

Naming When Joining Tables

- **Foreign Keys**
  - Singular name of the table followed by _id
  - Examples
    - cakes table -> cake_id
    - puff_pastries -> puff_pastry_id
- **HABTM – Has and Belongs To Many (Many to Many)**
  - Named after the tables
  - Tables are in alphabetical order
  - Underscore between the two table names
  - Pluralized
  - All Lowercase
  - Example
    - cakes_ingredients
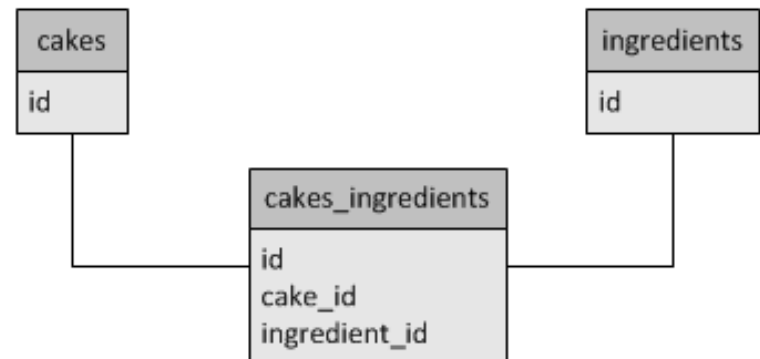
Help Wanted

- **Not Sure?**
  - CakePHP provides a web site to help with naming conventions.
  - http://inflector.cakephp.org/

puff pastry		
Method		**Result**
pluralize	=>	puff pastries
singularize	=>	puff pastry
camelize	=>	PuffPastry
underscore	=>	puff pastry
humanize	=>	Puff Pastry
tableize	=>	puff pastries
classify	=>	PuffPastry
slug	=>	puff_pastry

cookies		
Method		**Result**
pluralize	=>	cookies
singularize	=>	cooky
camelize	=>	Cookies
underscore	=>	cookies
humanize	=>	Cookies
tableize	=>	cookies
classify	=>	Cooky
slug	=>	cookies

cookie		
Method		**Result**
pluralize	=>	cookies
singularize	=>	cookie
camelize	=>	Cookie
underscore	=>	cookie
humanize	=>	Cookie
tableize	=>	cookies
classify	=>	Cookie
slug	=>	cookie

Inflect me baby!

Summary

- **Folder Structure**
- **Naming Conventions**
  - Models
  - Controllers
    - Controller Functions
  - Views
  - Database
    - Table Names
    - Field Names
    - Foreign Keys
    - Many to Many Tables