

Pemrograman Web Lanjut

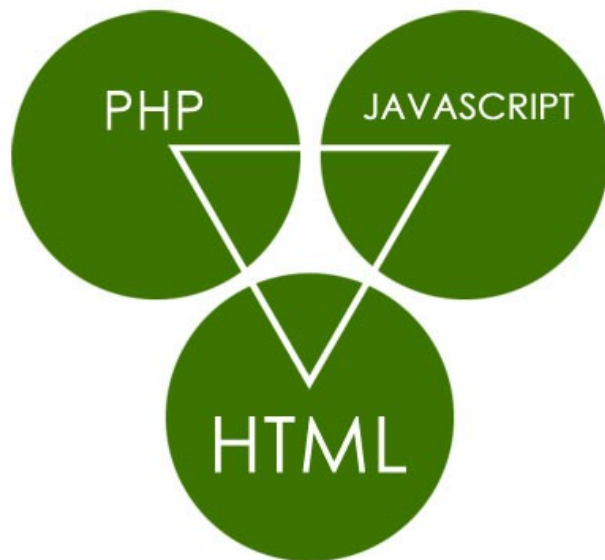
#01



Go Frendi Gunawan

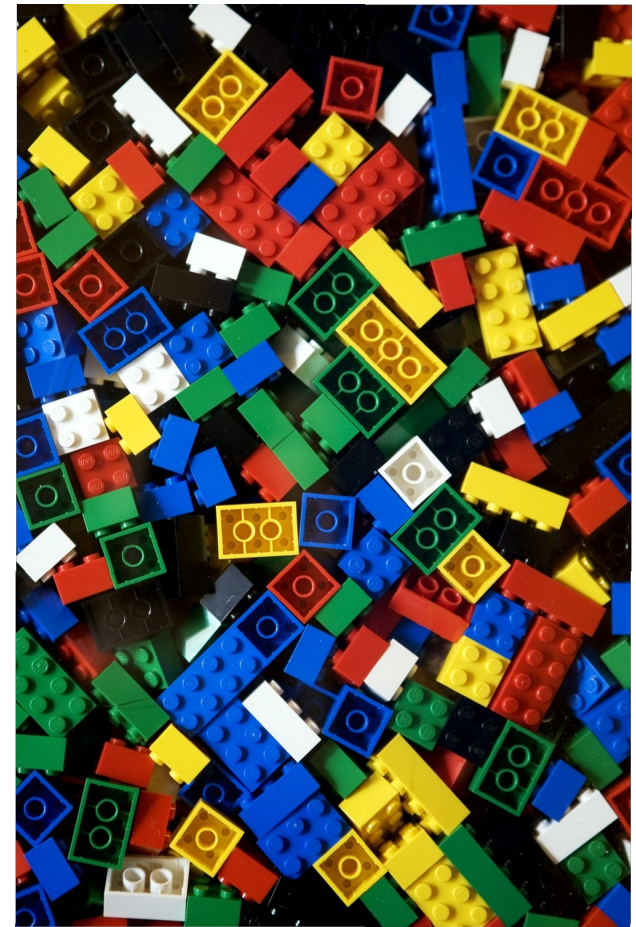
Website Building Block

- HTML
- CSS
- Server-side Program
- Client-side Program



HTML – The Basic Building Block

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html>
  <head>
    <meta name="TITLE" content="The Basic Building Block" />
    <meta name="KEYWORDS" content="HTML, CSS, JavaScript" />
    <meta name="DESCRIPTION" content="A simple HTML document" />
    <link rel="stylesheet" type="text/css" href="style.css" />
    <script language="javascript" type="text/javascript">
      // JavaScript code here
    </script>
  </head>
  <body bgcolor="#ffffff" width="100%">
```



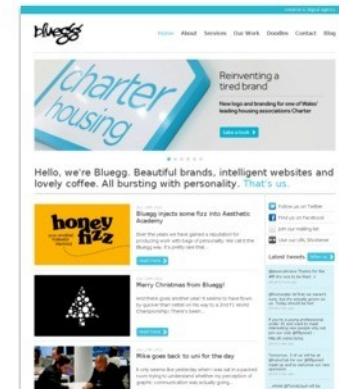
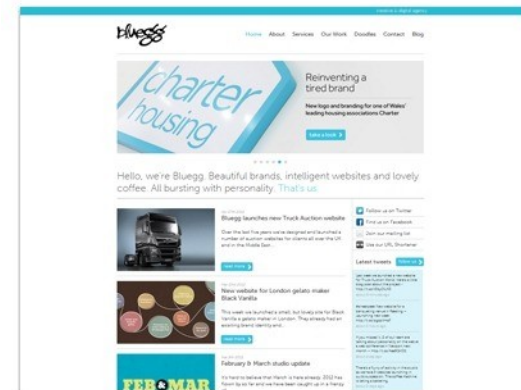
CSS – The Make Up



```
h1 { color: white;
background: orange;
border: 1px solid black;
padding: 0 0 0 0;
font-weight: bold;
}
/* begin: seaside-theme */

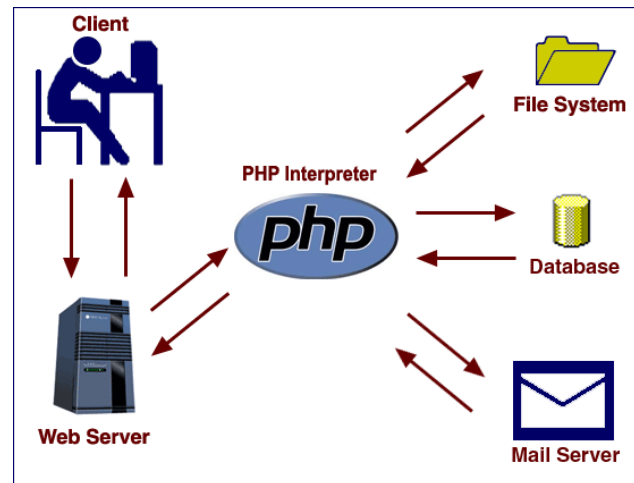
body {
background-color:white;
color:black;
font-family:Arial,sans-serif;
margin: 0 4px 0 0;
border: 12px solid;
}
```

CSS



Server Side Program – The Soul

- PHP
- ASP
- JSP
- Python
- Ruby



42.PHP



Client Side Program – The Final Piece

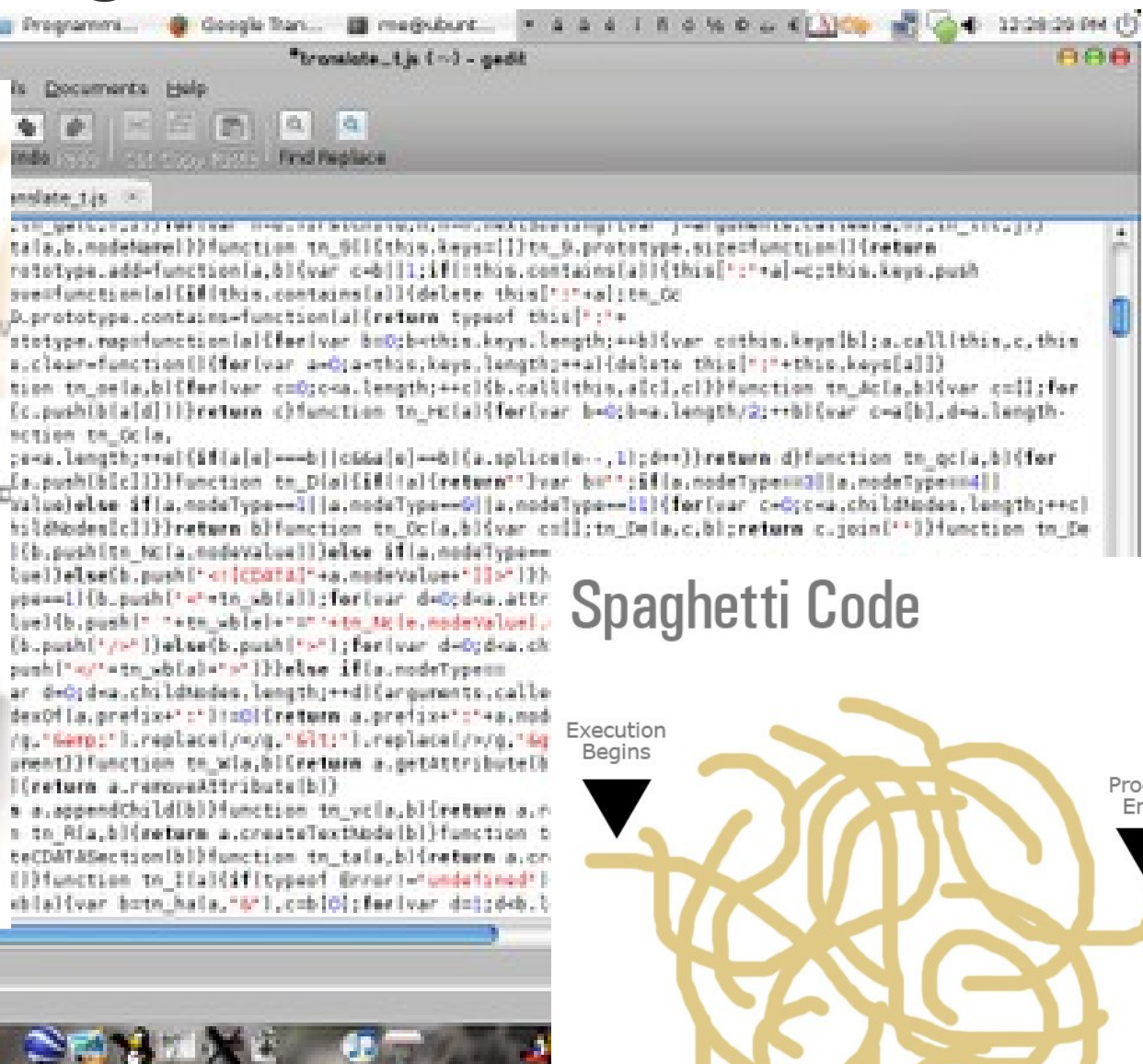
- Javascript
 - JQuery
 - ExtJS



Problem?

Spaghetti Code

```
void*
Reallocate... i*bu i
{ void*temp
temp = ma o (o );
memcpy((v d )t mr (v
free(buf)
buf = mal
memset(bu
memcpy((v ic i i, (v
return buf;
)
```



Spaghetti Code

Execution Begins

Process Ends

Solution?

Web Framework



django



Web Framework – Object Oriented Programming



Properties

Color

Size

of Spokes

Spoke Design

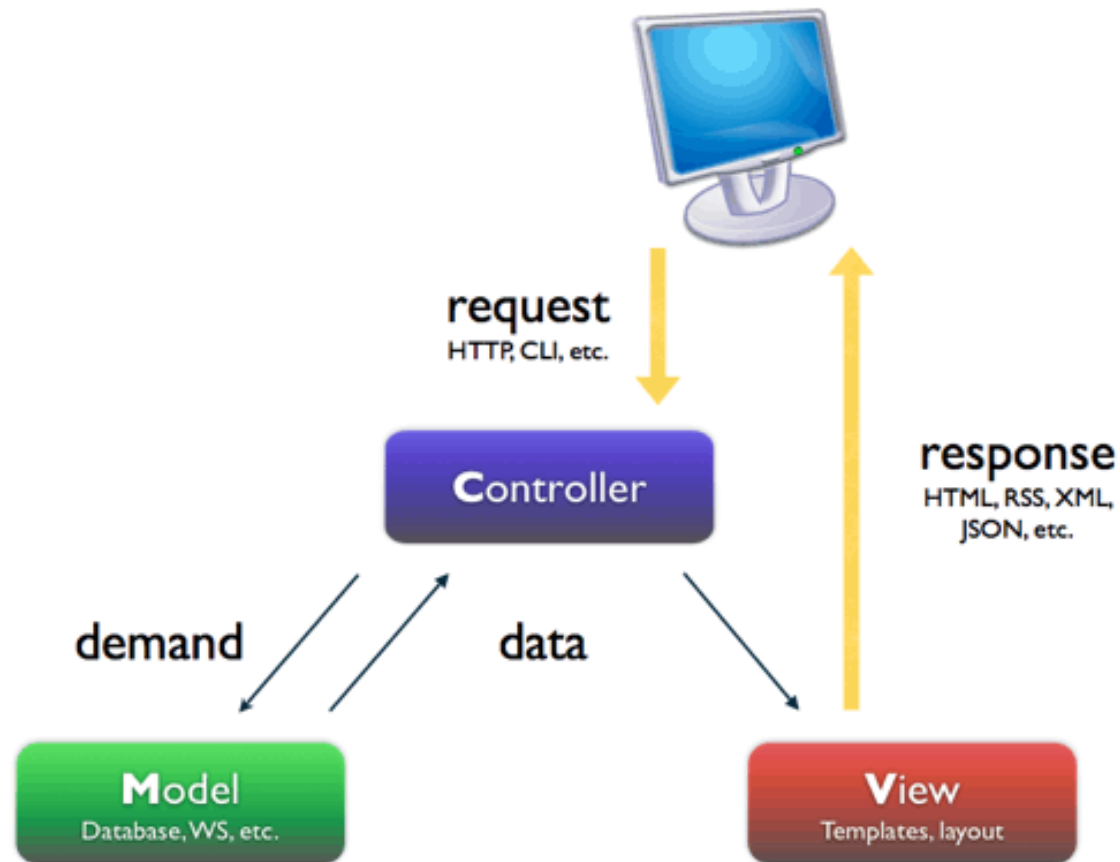
Methods

Rolling

Stopping

Turning

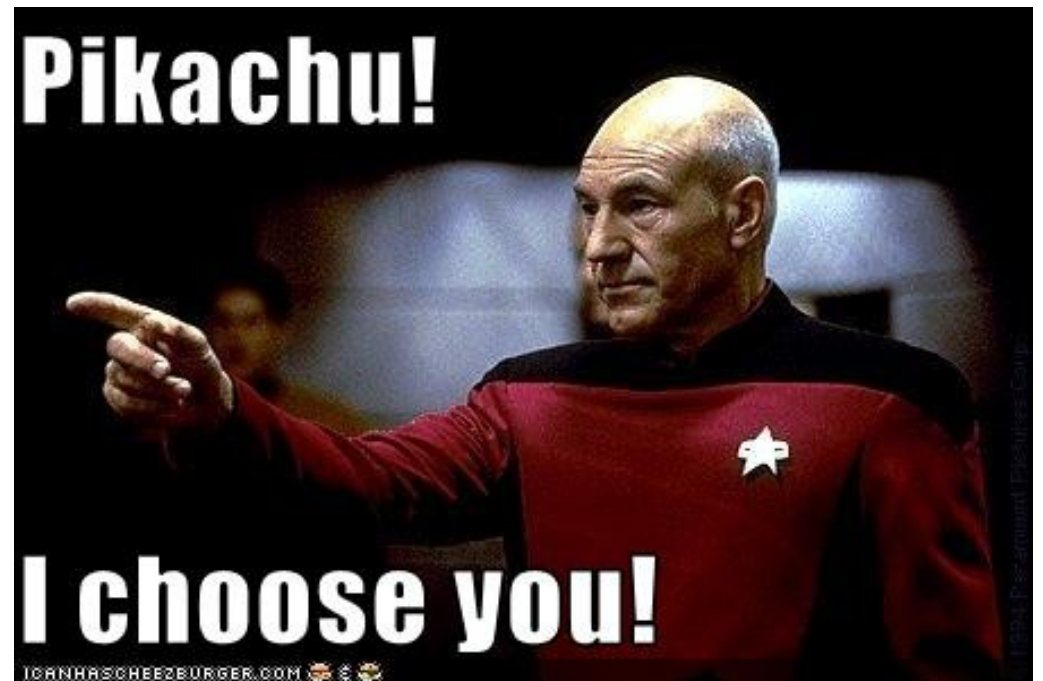
Web Framework – Model-View-Controller



Choose your framework !!!




© Nintendo • Creatures • GAME FREAK • TV Tokyo • ShoPro • JR Kikaku © Pokémon



Yii Framework

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 **yii**framework

[about](#) · [downloads](#) · [documentation](#) · [development](#) · [community](#)

The **Fast**, **Secure** and **Professional** PHP Framework 5.1.13

Yii is a **high-performance** PHP framework best for developing Web 2.0 applications.


Yii comes with **rich features**: MVC, DAO/ActiveRecord, i18n/L10N, caching, authentication and role-based access control, scaffolding, testing, etc. It can reduce your development time significantly.

Three steps to build your application rapidly:


1. You create the database;
2. Yii generates the base PHP code;
3. You customize the code to fit your exact needs.

[Take the Tour](#) [Download Yii](#)


Or dive directly into Yii with [screenshots](#) or [guide](#) Yii 5.1.13 released on Feb 12, 2012 [Release Notes](#) · [License \(MIT\)](#)

 **Fast**

Yii only loads the features that you need. It has powerful caching support. It is explicitly designed to work efficiently with AJAX.

 **Secure**


Security comes as standard with Yii. It includes input validation, output filtering, SQL injection and Cross-site scripting prevention.

 **Professional**

Yii helps you develop clean and reusable code. It follows the MVC pattern, ensuring a clear separation of logic and presentation.

Latest News

MAY 29, 2012
[YiiCurl 5049](#) · [Klaus Ihmsen](#)



More about Yii

- Jargon : The Fast, Secure and Professional PHP Framework
- Pros:
 - Fast
 - JQuery included
 - Scaffolding
- Cons:
 - Only support PHP 5
- URL : <http://www.yiiframework.com/>



CodeIgniter



The screenshot shows the CodeIgniter website homepage. At the top, there's a navigation bar with links: Home, Downloads, News, VideoTutorials, User Guide, Forums, IRC, RSS, and Bug Tracker. The main banner features the CodeIgniter logo and the text: "CodeIgniter is an Open Source Web Application Framework that helps you write incredible PHP programs". To the right of the banner are four links: "Download CodeIgniter Version 2.1.0", "Read the User Guide CodeIgniter is clearly documented", "View the Video Tutorials Build a website in under 20 minutes", and "Talk About it in the Forums Join the growing community". Below the banner, the "Welcome to CodeIgniter!" section describes the framework as a powerful PHP framework with a very small footprint, built for PHP coders who need a simple and elegant toolkit to create full-featured web applications. It lists three reasons why CodeIgniter is right for you: 1. You want a framework with a small footprint, 2. You need exceptional performance, and 3. You need broad compatibility with standard hosting accounts that run a variety of PHP. To the right, the "CODEIGNITER NEWS" section lists three articles: "ISMify Ads", "Simplifying Tools Used for Feedback", and "A Quick Look at Sparks".

CodeIgniter

Home Downloads News VideoTutorials User Guide Forums IRC RSS Bug Tracker

CodeIgniter is an Open Source Web Application Framework that helps you write incredible PHP programs

Download CodeIgniter Version 2.1.0

Read the User Guide CodeIgniter is clearly documented

View the Video Tutorials Build a website in under 20 minutes

Talk About it in the Forums Join the growing community

Welcome to CodeIgniter!

CodeIgniter is a powerful PHP framework with a very small footprint, built for PHP coders who need a simple and elegant toolkit to create full-featured web applications. If you're a developer who lives in the real world of shared hosting accounts and clients with deadlines, and if you're tired of ponderously large and thoroughly undocumented frameworks

CodeIgniter is right for you if...

- You want a framework with a small footprint
- You need exceptional performance
- You need broad compatibility with standard hosting accounts that run a variety of PHP
- You are not interested in large-scale monolithic libraries like PEAR
- You do not want to be forced to learn a templating language (although a template wrapper is available, rendering is very simple)

CODEIGNITER NEWS

ISMify Ads

[Read More...](#)

Posted by Marcus Soto on May 25, 2012

Simplifying Tools Used for Feedback

[Read More...](#)

Posted by David Jones on Apr 24, 2012

A Quick Look at Sparks

[Read More...](#)

More about CodeIgniter

- Jargon: CodeIgniter is an Open Source Web Application Framework that helps you write incredible PHP programs
- Pros
 - Large amount of community
 - Good documentation
- Cons
 - Only good for small-medium web
- URL: <http://codeigniter.com/>



Fuel PHP



[ABOUT](#) [BLOG](#) [FEATURES](#) [CONTRIBUTE](#) [ROADMAP](#) [DOCS](#) [DEV DOCS](#) [FORUMS](#) [CONTACT](#) [LOGIN](#)

**FUELPHP IS A SIMPLE, FLEXIBLE,
COMMUNITY DRIVEN PHP 5.3 WEB
FRAMEWORK BASED ON THE BEST IDEAS
OF OTHER FRAMEWORKS WITH A FRESH
START.**

DOWNLOAD v1.2.1

GRAB THE LATEST AND
GREATEST VERSION OF
FUELPHP.

DISCOVER

LEARN MORE ABOUT FUELPHP
WITH GREAT DOCS.

CONTRIBUTE

BE PART OF IT. FORK IT, TWEAK
IT, PUSH IT!



@andrewcairns No worries, enjoy using the framework :) ^F 1 day ago

FUELPHP RELEASES 1.2.1!

We have picked up the pace! Three weeks after the long awaited release of v1.2, we have released v1.2.1.

This is a bugfix release on v1.2. and does not

JOIN THE COMMUNITY!

Whether you're an experienced PHP developer or a newcomer just getting started, there are many ways for you to participate in the Fuel project.

Join the [forum](#) to get help or help others with Fuel.

HELP & SUPPORT

Reading the Documentation is the best way to start learning what Fuel can do for you.

For more help the [forum](#) is the place to go if you're looking for an answer to a specific question that is

Laravel



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A Framework For Web Artisans

Laravel is a clean and classy framework for PHP web development. Freeing you from spaghetti code, Laravel helps you create wonderful applications using simple, expressive syntax. Development should be a creative experience that you enjoy, not something that is painful. Enjoy the fresh air.



INCREDIBLY WELL DOCUMENTED

A class API just doesn't cut it. Laravel has great documentation to help you get up to speed as quickly as possible. It's readable and thorough. You'll love it.

[VIEW DOCUMENTATION »](#)



GRAB SOME BUNDLES

Bundles are a great way to package and share Laravel code. They can be anything - from a complete ORM or simple debugging tools, and it's a breeze to drop them into your application!

[BUNDLE LIBRARY »](#)



ALL THE COOL KIDS ARE DOING IT

"Laravel has brought the fun back to programming; it's so expressive it speaks my language."

— Phill Sparks



NOW GIT TO WORK!

Laravel is open-source software. All of the code is available on Github and anyone can contribute, so go fork the repository and make a pull request!

See what we did there!

Zend Framework



The image shows the homepage of the Zend Framework project. The header features the Zend Framework logo, navigation links (About, Downloads, Documentation, Community, Services), a search bar, and a 'GO' button. The main banner displays the large 'ZF' logo, a '1.11' version badge, and a 'Download Now' button. To the right of the logo, there's a section titled 'Introducing the Best Stack for your Zend Framework Applications' with a 'Learn More' button. Below the banner, the page is divided into three columns: 'Make the Choice', 'Get Started', and 'Give Back'. Each column contains a list of links and icons for further exploration.

ZF 1.11 **Download Now**

Introducing the Best Stack for your Zend Framework Applications
[Learn More](#)

Make the Choice
Standardize your PHP practices

- [Zend Framework 2.0 \(beta3\) Released!](#)
- [Zend Framework 1.11.11 Released](#)

Why ZF?
You've got questions, we've got solutions

Case Studies

Get Started
What you need to get up to speed

- [Zend Framework 2.0 \(beta3\) Released!](#)
- [ZF2 Modules You Can Use Today](#)

QuickStart
Take our 30-minute tour

Multimedia
Visual Guides and Live Demos

Give Back
Because it just feels good

- [Zend Framework 2.0 \(beta3\) Released!](#)
- [Module specific layouts in ZF2](#)
- [Why Modules?](#)
- [An introduction to ZendEventManager](#)

Contributors Guide
Contributing is easier than you think

[Search](#) [Feedback](#)

CakePHP

[CakePHP](#) [Downloads](#) [Documentation](#) [Community](#) [Services](#)

[News](#) [Development](#) [Documentation](#)



CakePHP makes building web applications simpler, faster and require less code.



Why use CakePHP



Build Quickly

Use code generation and scaffolding features to rapidly build prototypes.



No Configuration

No complicated XML or YAML files. Just setup your database and you're ready to bake.



Friendly License

CakePHP is licensed under the MIT license which makes it perfect for use in commercial applications.



Batteries Included

The things you need are built-in. Translations, database access, caching, validation, authentication, and much more are all built into one of the original PHP MVC frameworks.



Clean MVC Conventions

Instead of having to plan where things go, CakePHP comes with a set of conventions to guide you in developing your application.



Secure

CakePHP comes with built-in tools for input validation, CSRF protection, form tampering protection, SQL injection prevention, and XSS prevention, helping you keep your application safe & secure.

[News](#) [Interact](#) [Read + Learn](#)

CakePHP Loves you

Symfony Framework

Senclab Network

SymfonyLive Paris registration closes in less than 2 days. Hurry up!

symfony

AboutInstallationDocumentationPluginsCommunityBlogDevelopment

Open-Source PHP Web Framework

This website is about the Symfony 1 full-stack framework.
If you are new to Symfony, please visit the website for [Symfony2](#) instead.
If you want to learn more about the integration of Symfony into **Drupal 8**, visit the website for the [Symfony2 Components](#).

Symfony is a full-stack framework, a library of cohesive classes written in PHP.

It provides an architecture, components and tools for developers to build complex web applications faster. Choosing symfony allows you to release your applications earlier, host and scale them without problem, and maintain them over time with no surprise.

Symfony is based on experience. It does not reinvent the wheel: it uses most of the best practices of web development and integrates some great third-party libraries.

Thousands of developers already trust symfony for their applications!

New users join the community every day, and that makes of symfony the most popular PHP framework around. A large community means easy-to-find support, user-contributed documentation, plugins, and free applications.

Getting Started

Discover symfony with the [Get Started](#) tutorial.

Learn the framework with the [Practical symfony](#) book.

Discuss on our mailing [list](#), and join us in the [#symfony](#) IRC channel.

You are currently browsing the website for [symfony 1](#).
Visit the [Symfony2](#) website

symfony Releases

- 1.4 branch: 1.4.10
- 2.0 branch: 2.0.0

Master symfony

Be trained by Senclab experts (2 to 5 day sessions – French or English).
[trainings.senclab.com](#)

Books on symfony

Learn more about symfony with the official guides.
[books.senclab.com](#)

L'audit Qualité par Senclab

200 points de contrôle de votre applicatif web.
[audit.senclab.com](#)

Search


powered by google

symfony Trainings

Be trained by symfony experts

May 31: Paris (mastering symfony – [in english](#))

Jun 05: Paris (introduction to


easy ajax


Watch the [ten minutes screencast](#) of the [ajax tutorial](#) or [test it online](#)


admin generator

This [screencast](#) shows the best PHP code generation engine for your backend interfaces.


24 days with...

The [Jobeet website](#) is a real-world web app, developed entirely in symfony. Step by step, [this is how](#).


book

In addition to [tutorials](#) and [showcase apps](#), symfony has an extensive documentation. [Dive in](#).

Ruby On Rails

[Overview](#) | [Download](#) | [Deploy](#) | [Bugs/Patches](#) | [Screencasts](#) | [Documentation](#) | [Ecosystem](#) | [Community](#) | [Blog](#)



Web development that doesn't hurt

Ruby on Rails® is an open-source web framework that's optimized for programmer happiness and sustainable productivity. It lets you write beautiful code by favoring convention over configuration.

[Rails 3.2: Faster dev mode & routing, explain queries, tagged logger, store](#), [Rails 3.1.3: Bug fixes](#), [Rails 3.1.0: Asset pipeline, HTTP streaming, jQuery](#)

Get Excited

```
class PostsController <
  # GET /posts
  # GET /posts.xml
  def index
    @posts = Post.find(
      respond_to do |format|
        format.html # index.html
        format.xml { render :xml }
        format.json { render :json }
        format.atom
      end
    )
  end
end
```

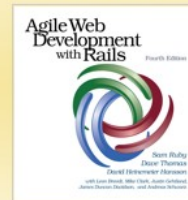
[Screencasts & presentations](#)

Get Started



[3.2.0 released Jan 20, 2012](#)

Get Better



[API, Guides, Books](#)

Get Involved



[Join the community](#)

“Ruby on Rails is a breakthrough in lowering the barriers of entry to programming. Powerful web applications that formerly might have taken weeks or months to develop can be produced in a matter of days.”


-Tim O'Reilly, Founder of O'Reilly Media

[Read more quotes](#)

Who is already
on Rails?

Tens of thousands of Rails applications are already live.
People are using Rails in the tiniest part-time operations

Django



HomeDownloadDocumentationWeblogCommunityCode

The Web framework for perfectionists with deadlines.
Django makes it easier to build better Web apps more quickly and with less code.

Meet Django

Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design.

Developed by a fast-moving online-news operation, Django was designed to handle two challenges: the intensive deadlines of a newsroom and the stringent requirements of the experienced Web developers who wrote it. It lets you build high-performing, elegant Web applications quickly.

Django focuses on automating as much as possible and adhering to the [DRY principle](#).

Dive in by [reading the overview](#) →

When you're ready to code, read the [installation guide](#) and [tutorial](#).

The Django framework

Object-relational mapper

Define your [data models](#) entirely in Python. You get a rich, [dynamic database-access API](#) for free — but you can still write SQL if needed.

Automatic admin interface

Save yourself the tedious work of creating interfaces for people to add and update content. [Django does that automatically](#), and it's production-ready.

Elegant URL design

Design pretty, [cruft-free URLs](#) with no framework-specific limitations. Be as flexible as you like.

Download

Latest release: **1.4.1**

Open source, [BSD license](#)

Documentation

[Installation guide](#)
[Tutorial](#)
[Full index...](#)

Sites that use Django

Disqus

Beautiful, real-time, engaging comments threads for your website.

Instagram

A fast, beautiful and fun photo-sharing app for iOS and Android.

Mozilla

Makers of Firefox, and defenders of the openness, innovation, and opportunity on the web.

OpenStack

Open source software for building private and public clouds.

Interest

Pinterest is a virtual pinboard to share beautiful things you find on the web.

PolitiFact.com

Fact-checking website

Weblog

Django 1.3 bugfix release

by [James Bennett](#) on Aug. 1, 2012

Today the Django team is issuing a bugfix release - - Django 1.3.3 -- to restore Python 2.4 compatibility in the Django 1.3 release series.

[Read more](#)

Apply for financial assistance to DjangoCon US

by [Jeremy Dunck](#) on Jul. 30, 2012

If you would like to attend DjangoCon but need financial assistance to do so, please apply by Friday, August 3.

[Read more](#)

Security releases issued

by [James Bennett](#) on Jul. 30, 2012

Today the Django project is issuing releases to mitigate several security issues reported to us.

[Read more](#)

New directors and members for the DSF

by [Russell Keith-Magee](#) on Jul. 27, 2012

Welcome to the newest director of the Django Software Foundation: Alex Gaynor. Also welcome the two newest developer members of the DSF: Daniel Greenfeld and Jonas Obrist.

[Read more](#)

<https://www.djangoproject.com>

Thank you

