



Who am I?

Personal

- Hafid Mukhlisin
- 30 years old
- Married
- Live in Depok
- I am moslem and sholat

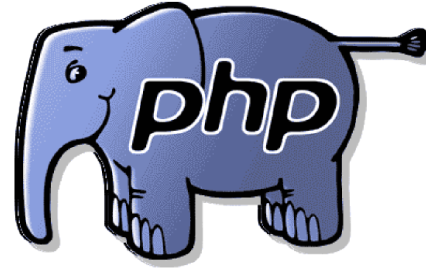
Activities & Hobbies

- Trainer & Developer at a Training Center (Jakarta)
- Freelance Web Developer&Consultant
- Sharing knowledges (blog & group)

Educations

- S I Teknik Informatika (2008)
Universitas Teknologi Yogyakarta
- Magister Teknologi Informasi
Universitas Indonesia

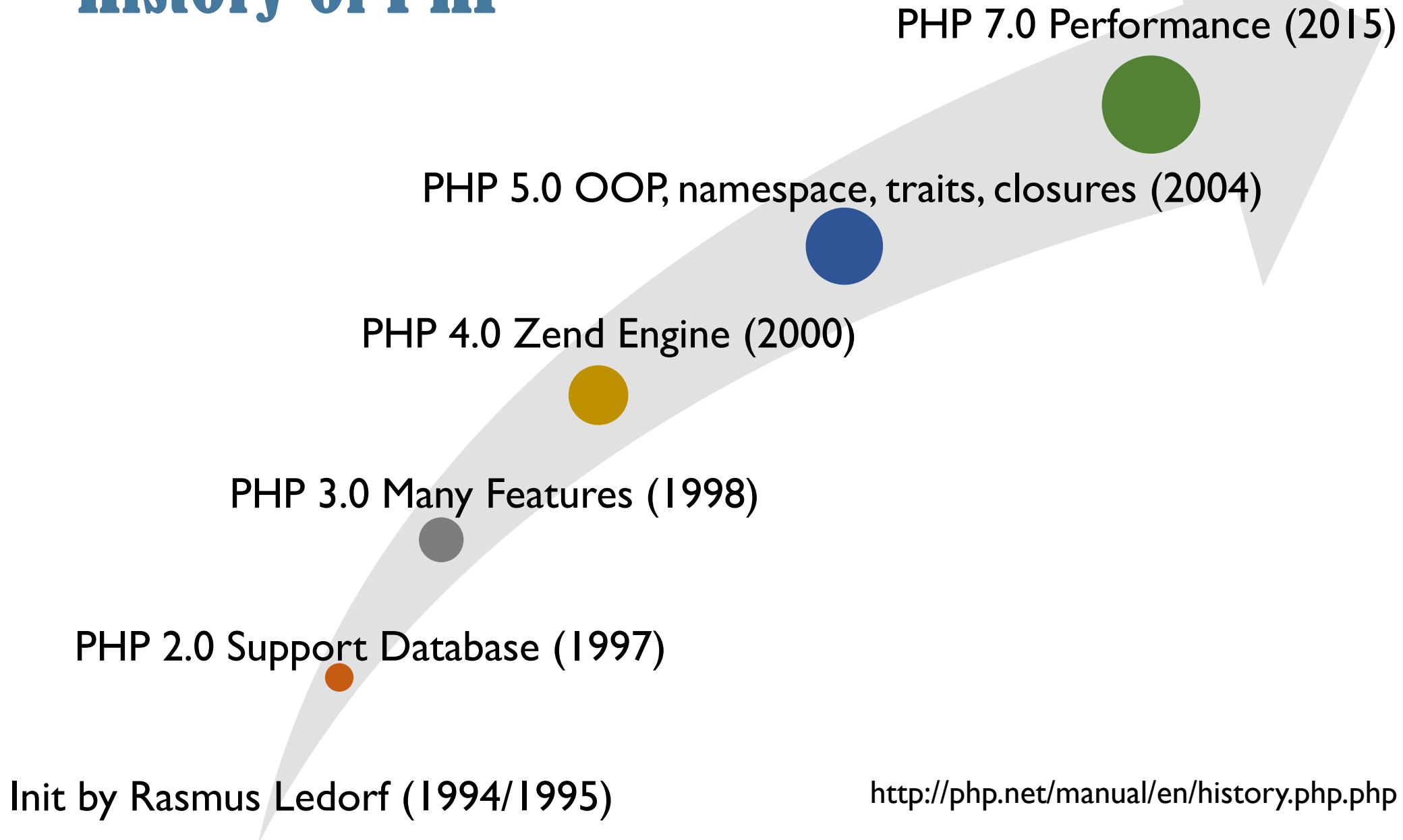
- <http://www.hafidmukhlisin.com>
- <https://github.com/hscstudio>
- hafidmukhlisin@gmail.com



History of PHP

<http://php.net/manual/en/history.php.php>

History of PHP



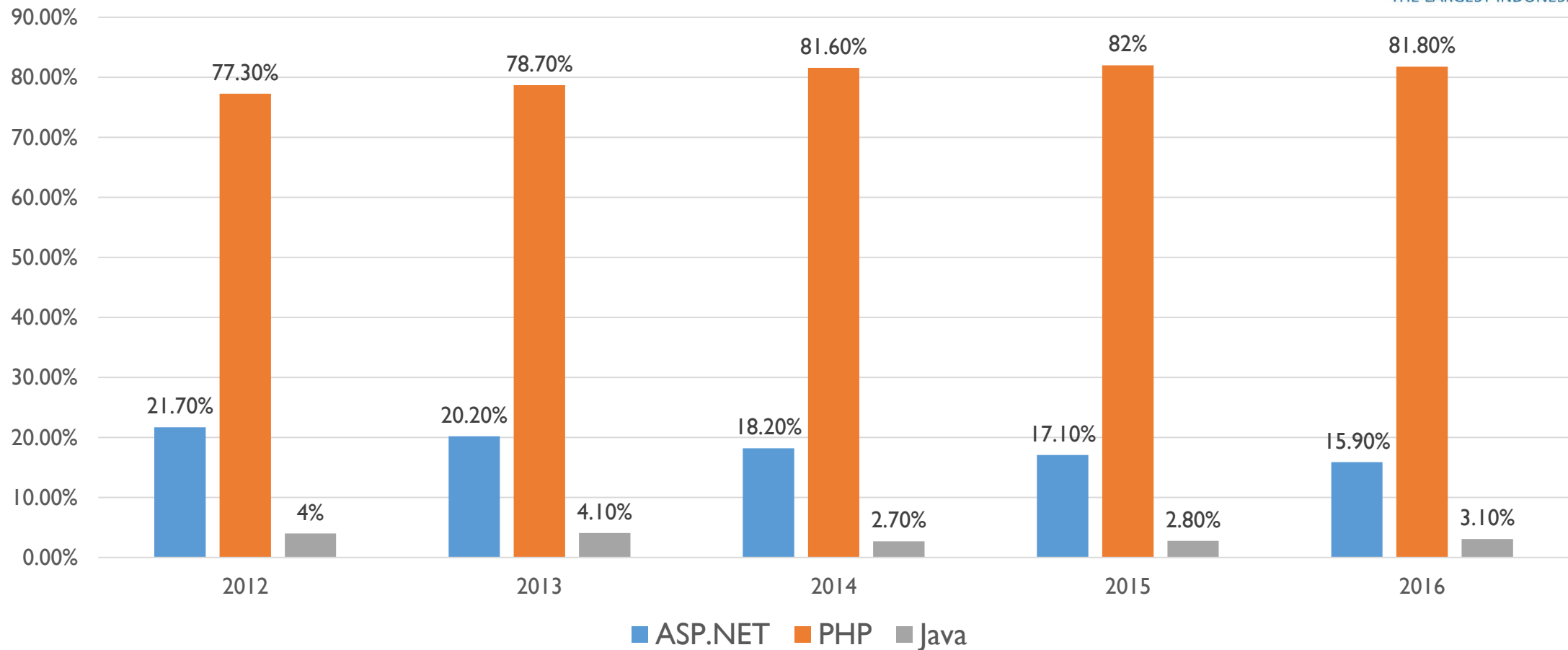
Statistic of PHP Usage

http://w3techs.com/technologies/history_overview/programming_language

Statistic of PHP Usage



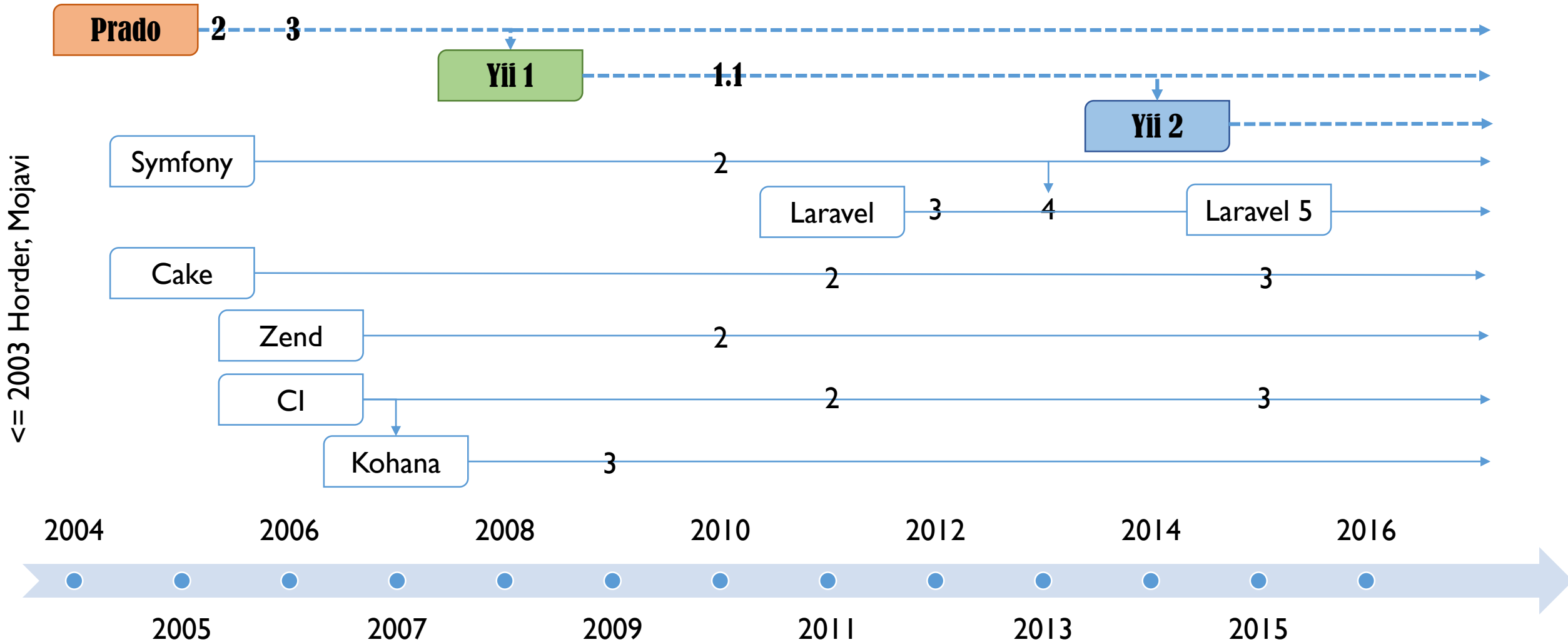
Trend Penggunaan Bahasa Pemrograman Server untuk Web



History of PHP Framework

<https://github.com/pmjones/php-history>

Map of PHP Framework ☆)



*) only fullstack & non c ext

What's Yii?

<http://www.yiiframework.com>

What's Yii

- ❖ Yii is PHP Framework that developed by Qiang Xue at 2006 and release 2008
- ❖ Yii comes with rich features: MVC, DAO/ActiveRecord, II8N/LI0N, caching, authentication and role-based access control, scaffolding, testing, etc. It can reduce your development time significantly.
- ❖ Yii support new technology: Composer, almost PSR, PHP7, HHVM
- ❖ Latest version 2.0.7 (Feb 2016)
- ❖ Official site : <http://www.yiiframework.com>

PHP Standard Recommendation

<http://www.php-fig.org> (PHP Framework Interop Group)

Yii is part of PHP FIG

AUTOLOADING

Autoloaders remove the complexity of including files by mapping namespaces to file system paths.

PSR-4: Improved Autoloading

```
<?php

use Vendor\Package\ClassName;

$object = new ClassName();
```

INTERFACES

Interfaces simplify the sharing of code between projects by following expected contracts.

PSR-3: Logger Interface

PSR-7: HTTP Message Interfaces

```
<?php

namespace Psr\Log;

/**
 * Describes a logger instance
 */
interface LoggerInterface
{
```

CODING STYLES

Standardized formatting reduces the cognitive friction when reading code from other authors.

PSR-1: Basic Coding Standard

PSR-2: Coding Style Guide

Ex.

- StudlyCaps for class name
- camelCase for method name

```
<?php

namespace Vendor\Package;

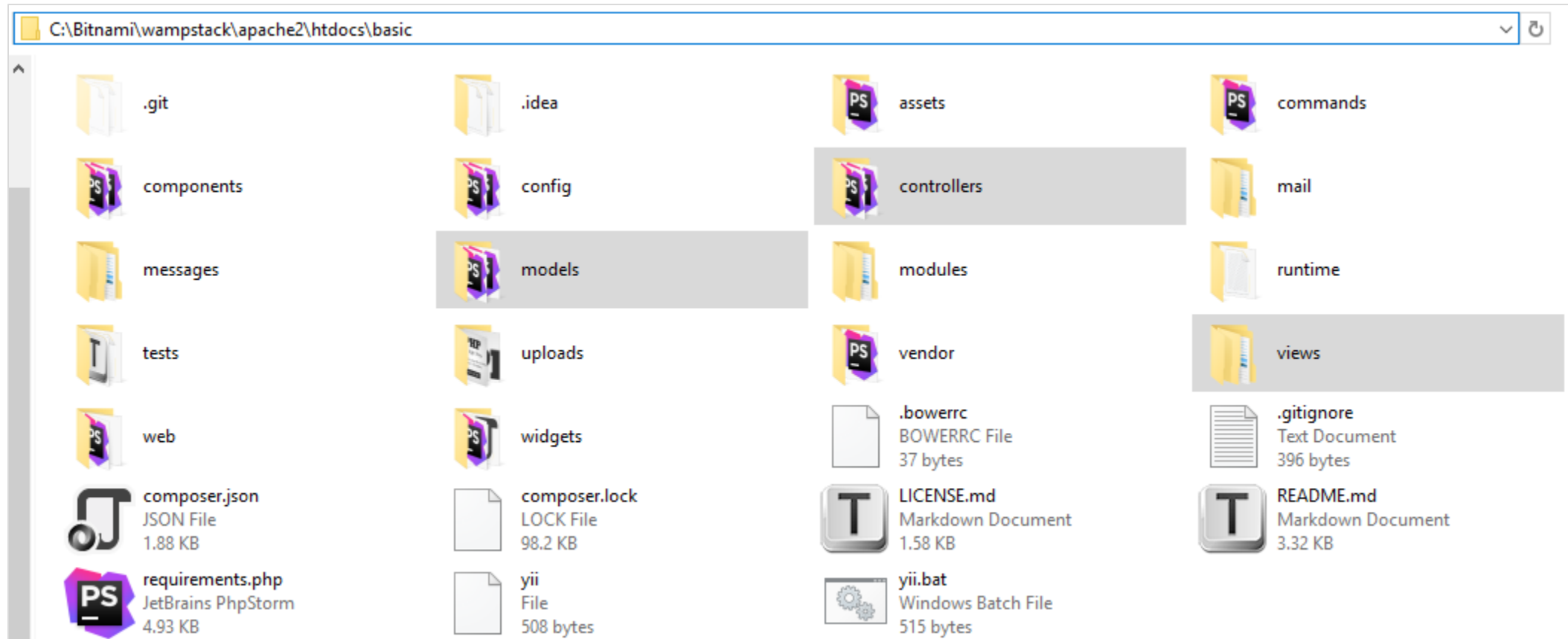
class ClassName
{
    public function fooBarBaz($arg)
    {
        // method body
    }
}
```

Installation

<http://www.yiiframework.com/download>

preferred way using composer <https://getcomposer.org>

What's installed?





Online Installation via Composer

```
composer global require "fxp/composer-asset-plugin:~1.1.1"  
composer create-project --prefer-dist yiisoft/yii2-app-basic basic
```

Running Yii with Built-in PHP Web Server

```
cd web  
php yii serve --port=8080
```




Congratulations!

You have successfully created your Yii-powered application.

[Get started with Yii](#)

Heading

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[Yii Documentation »](#)

Heading

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[Yii Forum »](#)

Heading

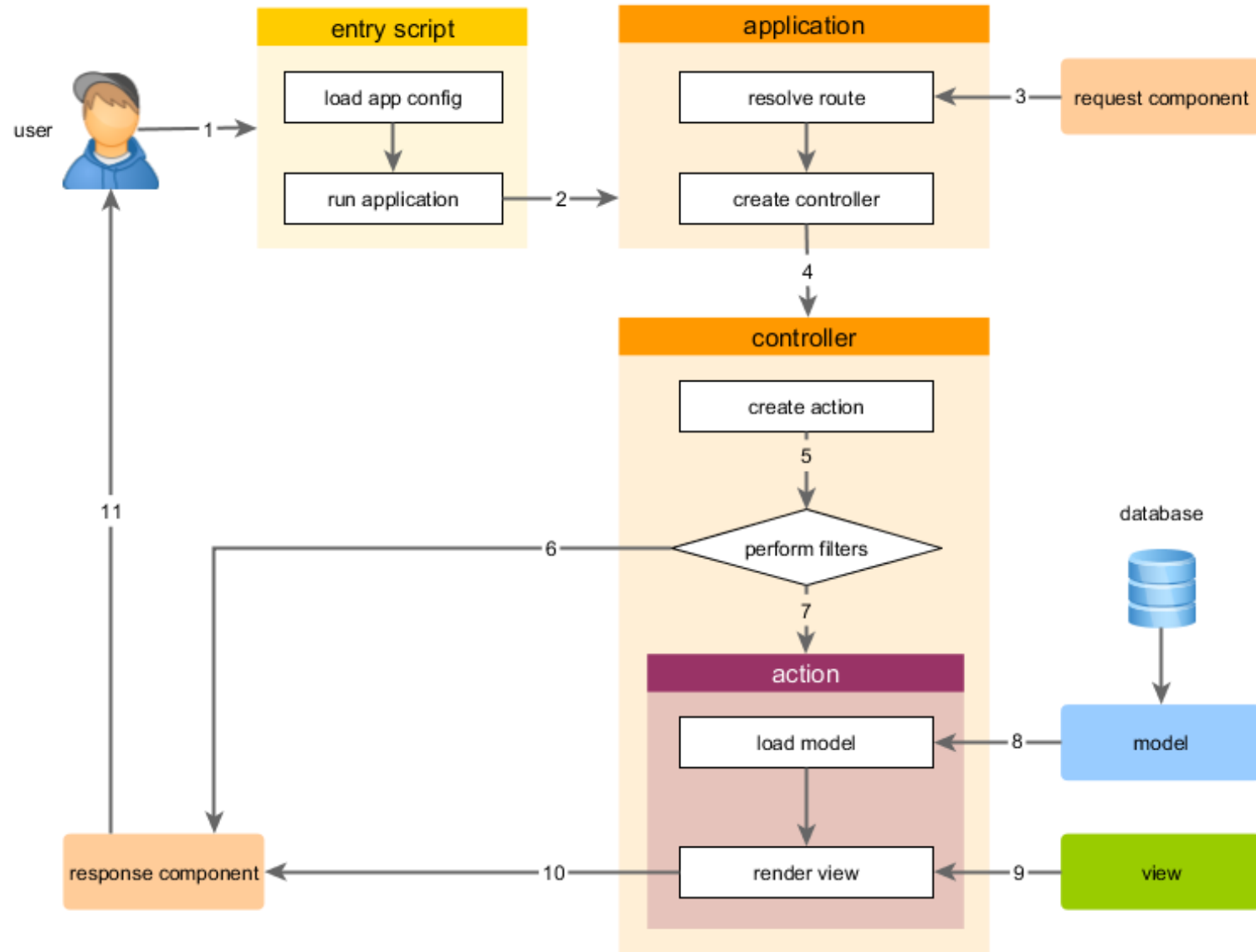
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

[Yii Extensions »](#)



Architecture of Yii

Application Life Cycle



Entryscript: app/web/index.php

```
<?php

// comment out the following two lines when deployed to production
defined('YII_DEBUG') or define('YII_DEBUG', true);
defined('YII_ENV') or define('YII_ENV', 'dev');

require(__DIR__ . '/../vendor/autoload.php');
require(__DIR__ . '/../vendor/yiisoft/yii2/Yii.php');

$config = require(__DIR__ . '/../config/web.php');

(new yii\web\Application($config))->run();
```

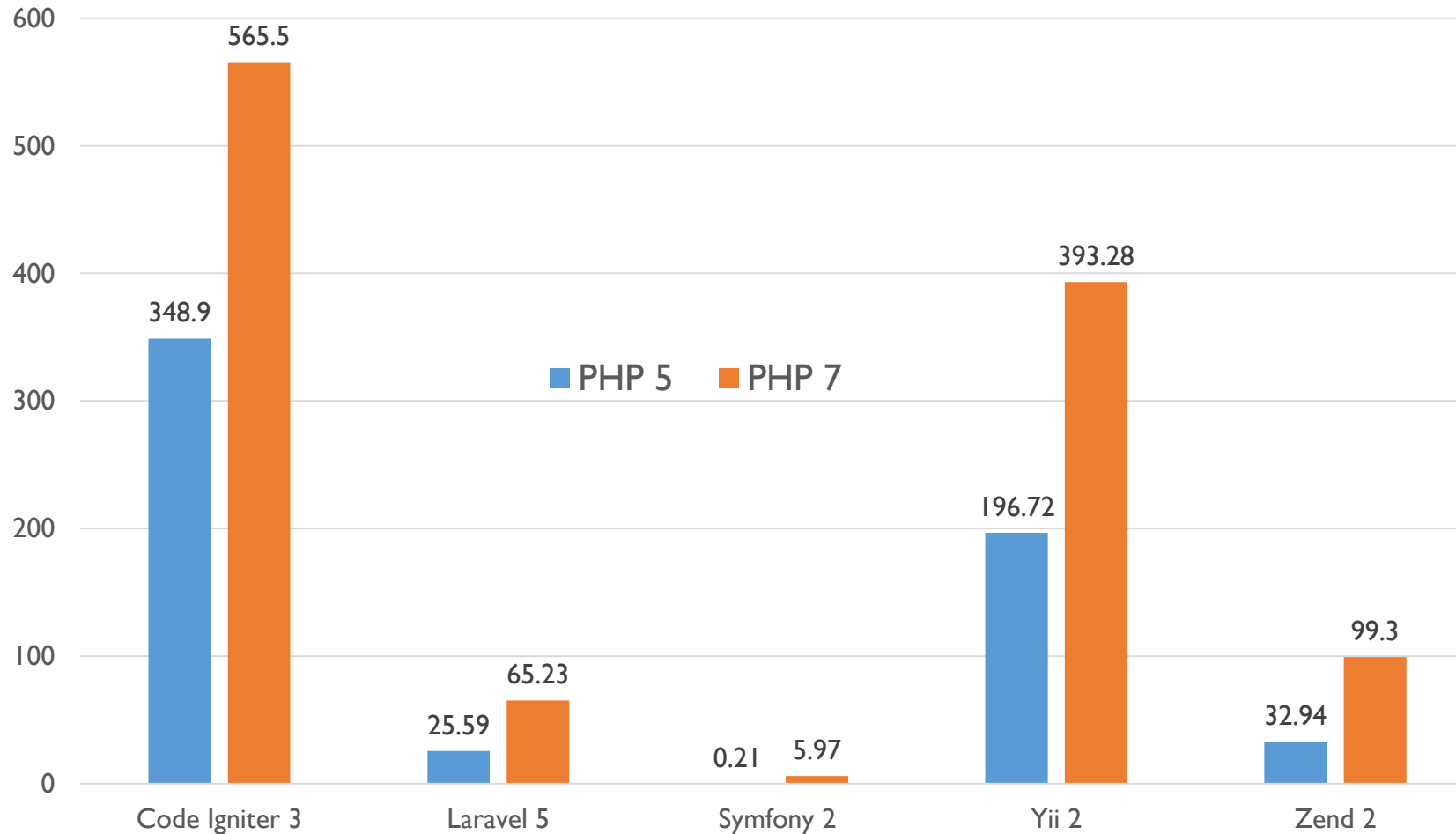
Why You should choose Yii?

Good Performance

Yes, it's not best, but good 😊

Yii on PHP 5 vs PHP 7

Full Stack Framework Benchmark



Spesification

- Core I
- Memory 512 MB
- 20 GB SSD
- Ubuntu
- Apache
- PHP 5/7
- PHP opCache enabled

[https://github.com/kenjis/
php-framework-
benchmark](https://github.com/kenjis/php-framework-benchmark)

Why PHP 7 faster than 5

<http://www.slideshare.net/petrabarus/whats-new-in-php7>

Good Security

Built-in Security Feature

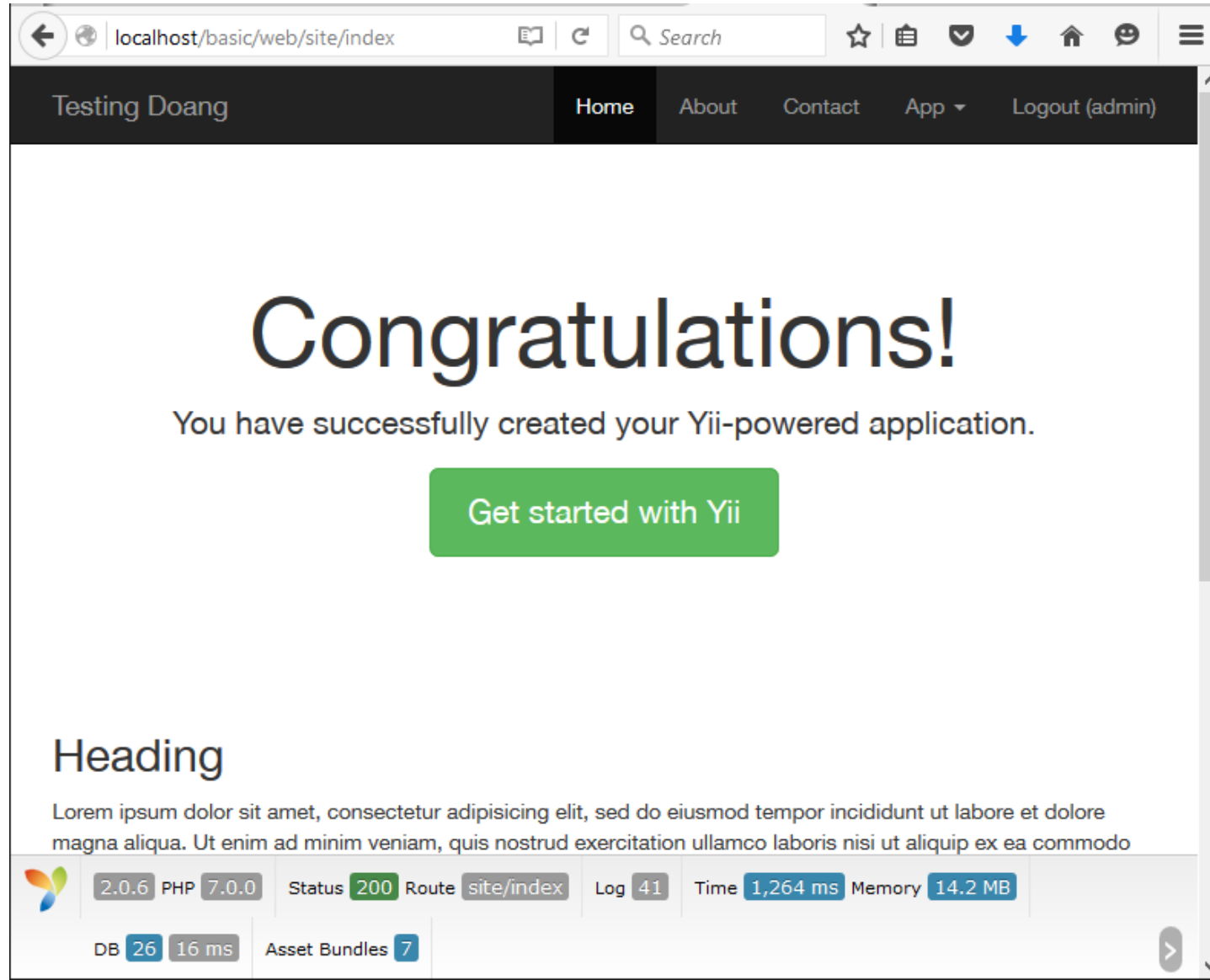
- Authentication & Authorization
- Tools to deal with SQL injections, XSS attacks, CSRF attacks
- Standard input validation & output filtering
- Easy to use other security feature: hash password, encrypt & decrypt
- Reviewed by web security expert (Tom Worster and Anthony)

Reduce Our Development Time

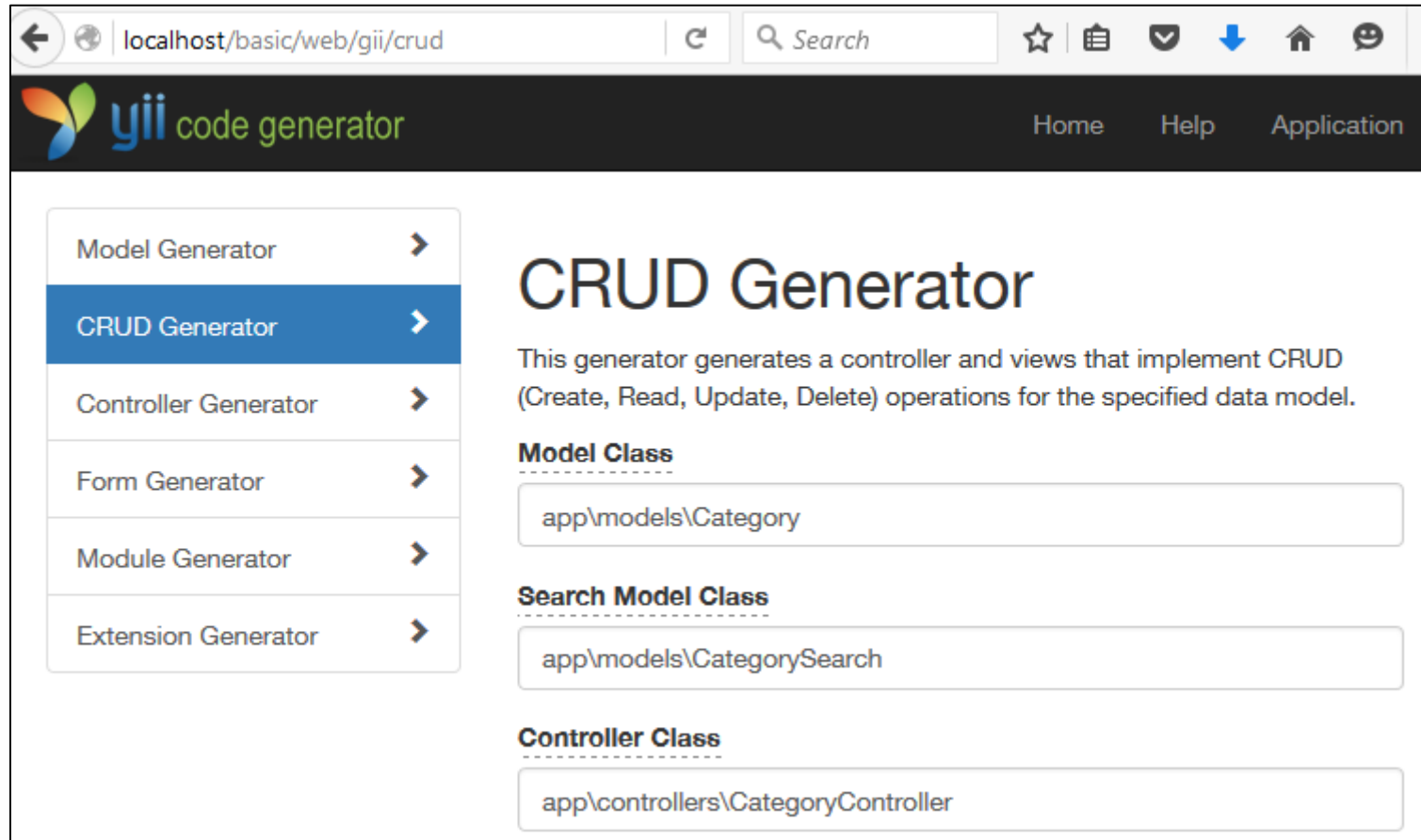
Many features to reduce our development time

- Support PHP Dependency Manager - Composer
- Integrate with User Interface Framework – Twitter Bootstrap, and You can use the other
- Application Template
- Built-in Scaffolding Generator – Gii
- Centralize Validation in models, (client & server validation)
- Many built-in useful Widgets
- Automatic routing (by default)
- Simplify to create API Restful Web Service
- Integrate with Testing Tools - Codeceptions
- etc

Twitter Bootstrap Ready



Gii : a magical tool that can write code for you



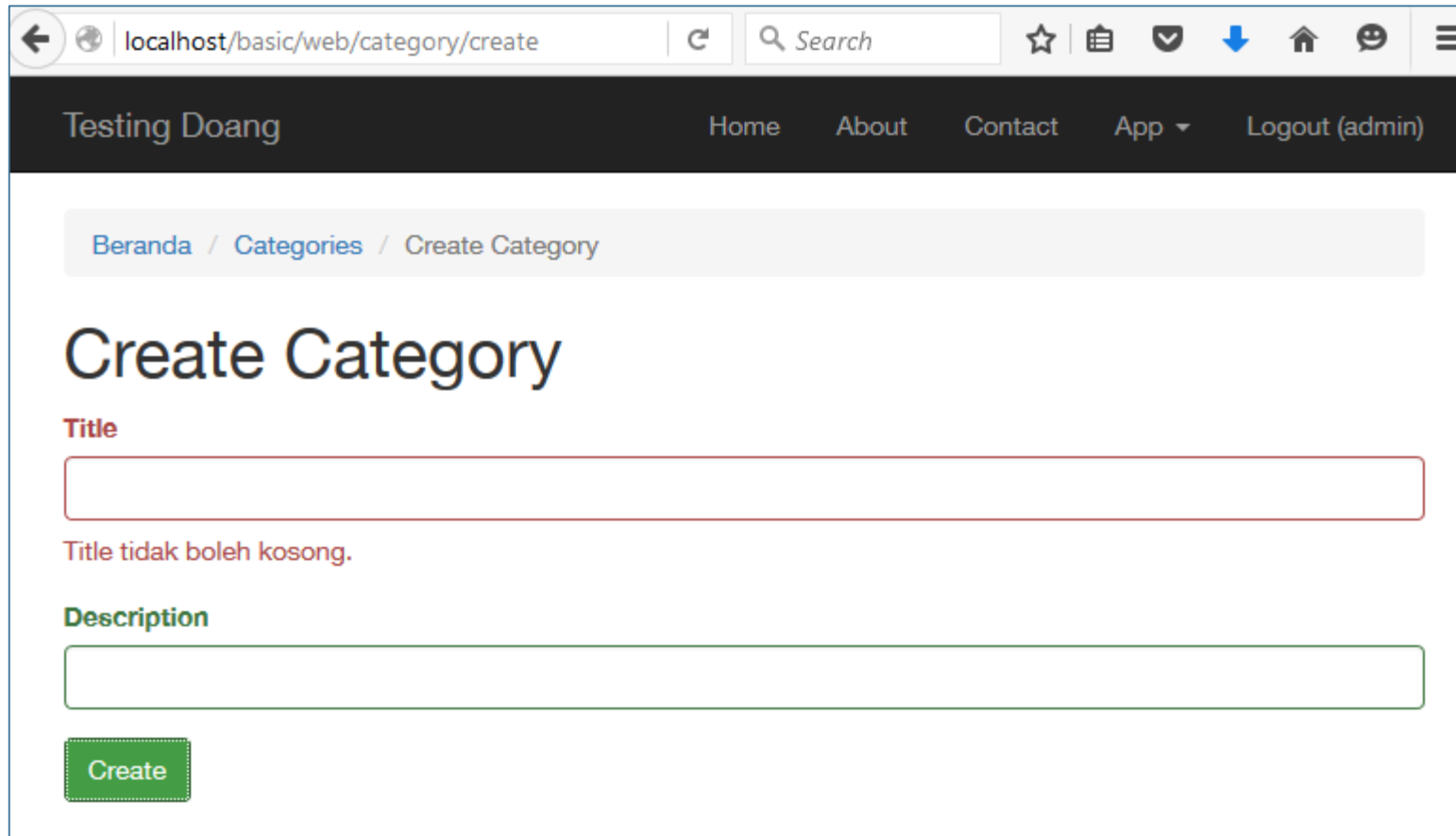
The screenshot shows the Yii Gii web interface in a browser. The address bar displays `localhost/basic/web/gii/crud`. The page header includes the "yii code generator" logo and navigation links for "Home", "Help", and "Application". A left sidebar contains a menu with options: "Model Generator", "CRUD Generator" (which is highlighted), "Controller Generator", "Form Generator", "Module Generator", and "Extension Generator". The main content area is titled "CRUD Generator" and includes a description: "This generator generates a controller and views that implement CRUD (Create, Read, Update, Delete) operations for the specified data model." Below this, there are three input fields for configuration: "Model Class" with the value `app\models\Category`, "Search Model Class" with the value `app\models\CategorySearch`, and "Controller Class" with the value `app\controllers\CategoryController`.

Centralize Validation in models

```
<?php
namespace app\models;
use Yii;
...
class Category extends \yii\db\ActiveRecord
{
    public static function tableName()
    {
        return 'category';
    }

    public function rules()
    {
        return [
            [['title'], 'required'],
            [['title', 'description'], 'string', 'max' => 255]
        ];
    }
}
```

It will trigger client and server validation



The screenshot shows a web browser at the URL `localhost/basic/web/category/create`. The page has a dark navigation bar with the text "Testing Doang" and links for "Home", "About", "Contact", "App", and "Logout (admin)". Below the navigation bar is a breadcrumb trail: "Beranda / Categories / Create Category". The main heading is "Create Category". There are two form fields: "Title" and "Description". The "Title" field is empty and has a red border, with a red error message "Title tidak boleh kosong." below it. The "Description" field is also empty but has a green border. At the bottom left is a green "Create" button.

localhost/basic/web/category/create

Testing Doang Home About Contact App Logout (admin)

Beranda / Categories / Create Category

Create Category

Title

Title tidak boleh kosong.

Description

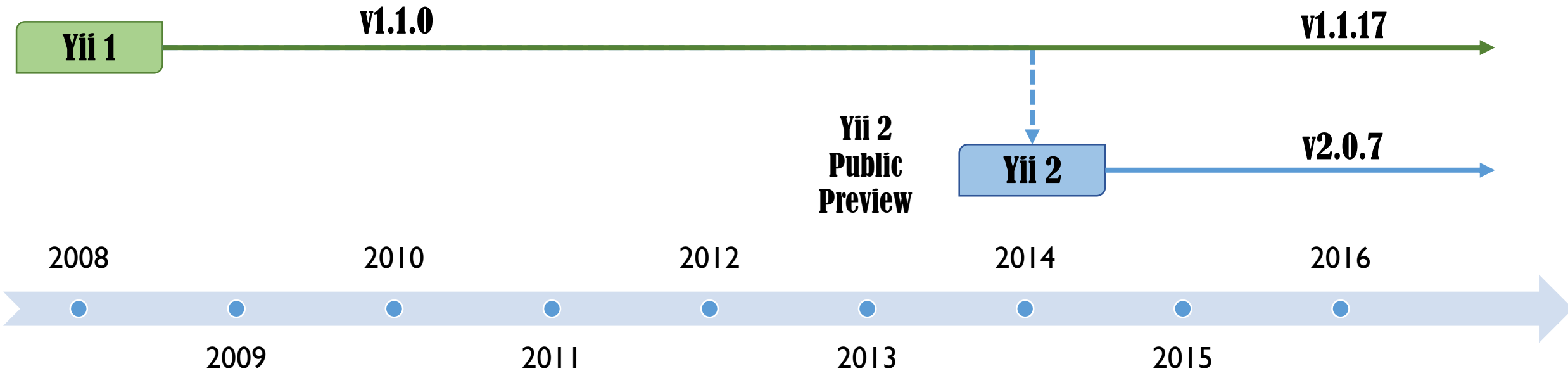
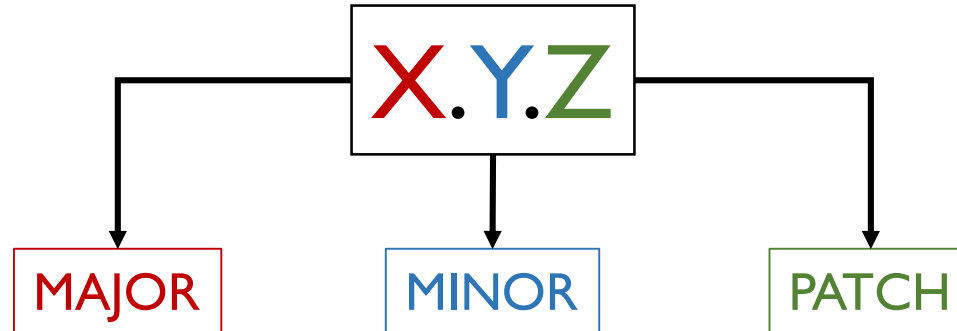
Create

Good Versioning & Support

Professional & Reliable PHP Framework

Versioning & Support of Yii

Almost base on
semantic versioning
<http://semver.org>



<http://www.yiiframework.com/news/90/update-on-yii-1-1-support-and-end-of-life/>

Why is Yii not quick to adopt new technology?

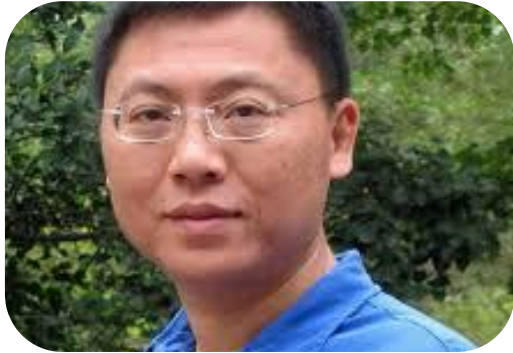
Alexander Makarov (core Yii dev) say

“if we'll adopt new tech too fast w/o supporting what we've built there will be no means using Yii as a framework at all.

It will be thing for cool kids to play. Not to build real projects that are here to stay for decades”

Not One Man Show

Current Core Team of Yii



QIANG XUE
PROJECT LEAD
USA



ALEXANDER MAKAROV
CORE FRAMEWORK DEVELOPER
RUSSIA



MAURIZIO DOMBA C
COMMUNITY MANAGEMENT
CROATIA



CARSTEN BRANDT
CORE FRAMEWORK DEVELOPER
GERMANY



KLIMOV PAUL
CORE FRAMEWORK DEVELOPER
UKRAINE



DMITRY NAUMENKO
CORE FRAMEWORK DEVELOPER
UKRAINE

Good Community Support

Statistic of Community Support

❖ https://web.facebook.com/groups/yiitalk	28.052
❖ https://web.facebook.com/groups/yii.indonesia	23.140
❖ http://www.yiiframework.com/forum	179.865
❖ http://stackoverflow.com/search?q=yii	41.124
❖ https://github.com/yiisoft/yii2	fork: 4453, star 7591

Who is using Yii?

Website is using Yii 2?

- ❖ <http://www.humhub.org> (cms social media)
 - ❖ <http://www.ftzmall.com> (onlineshop)
 - ❖ <http://www.tvmaze.com> (TV online)
 - ❖ <http://logistics.qwintry.com> (logistics)
 - ❖ <http://almundo.com.ar> (ticketing)
- ❖ <http://m.urbanindo.com> (jual beli properti)
 - ❖ <http://www.rajamobil.com> (jual beli mobil)
 - ❖ <http://www.chasebrandbali.com> (jual beli pakaian)
 - ❖ <http://smartgorontalo.net> (smart city gorontalo)
 - ❖ <https://pictalogi.com> (digital publishing)

Cetak Ala Polaroid Tidak Pernah Semudah Ini Selain di Pictalogi

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搜索

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家居生活

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大牌特卖

错过这次等一年
永恒经典 超越

SALE

新品推荐

New Product



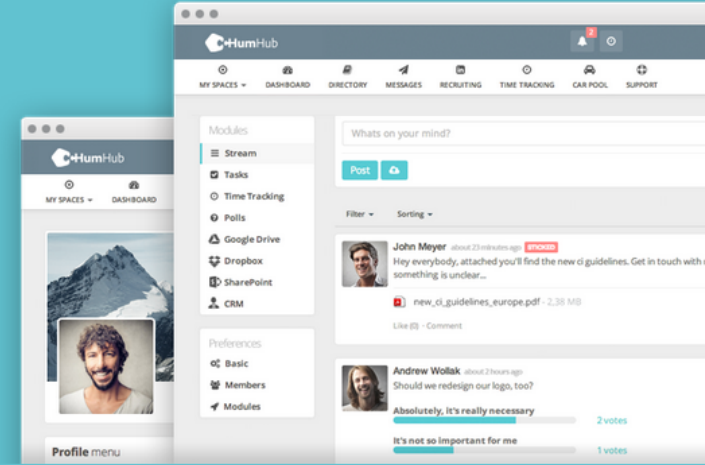
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URBANINDO

Cilodong, Depok, Jawa Barat

Cari

Pencarian Detail

Lokasi sekarang

Menampilkan 1-10 dari 2.321 item.



497jt

2 1 90 45 m²

yii 2

42

Where should we begin learn?

<http://www.yiiframework.com/doc-2.0/guide-index.html>

requirement: knowledge about PHP & MySQL

My Book for Yii



Membangun Aplikasi Profesional Berbasis Web Menggunakan Yii Framework

- ❖ Author : Hafid Mukhlasin
- ❖ Publishing : Self
- ❖ Pages : x + 497 Halaman (A5)
- ❖ Edition : ke-I, Februari 2016
- ❖ Language : Bahasa Indonesia
- ❖ Format: Hard copy only (cetak)

<http://hscstudio.github.io/yii2-book-id>

Any Question?

Thank You

hafidmukhlasin@gmail.com