

Θέμα: Yii framework

Σχεδιάγραμμα της παρουσίασης

- Εισαγωγή
- Χαρακτηριστικά
- MVC
- Και πολλά άλλα...

Εισαγωγή

- Το Υii είναι το καλύτερο framework της γλώσσας PHP

Εισαγωγή

- Τι θα σας αρέσει
 - Model View Controller (MVC)
 - Active Record (AR) & PHP Data Objects (PDO)
 - Flexible & Extendible
 - Ομαλή κλιμάκωση
 - JQuery build in

Εισαγωγή

- Τι θα σας αρέσει
 - RHP 5 μόνο
 - Κάνει τη μεγαλύτερη δουλειά για σένα
 - Προσβάσιμο εργαλείο αλλά και δυνατό
 - Very configurable
 - Δουλεύει με third-party software

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Χαρακτηριστικά

Model-View-Controller (MVC) design pattern

Yii adopts the proven MVC architecture, which allows for clean separation of concerns (SoC).

Database Access Objects (DAO), Query Builder, Active Record, DB Migration

Yii allows developers to model database data in terms of objects and avoid the tedium and complexity of writing repetitive SQL statements.

Form input and validation

Yii makes collecting form input extremely easy and safe. It comes with a set of validators as well as numerous helper methods and widgets to simplify the task for form input and validation.

AJAX-enabled widgets

Integrated with jQuery, Yii comes with a set of AJAX-enabled widgets, such as auto-complete input field, treeview, data grid, which enables writing highly efficient and versatile user interface extremely simple.

Authentication and authorization

Yii has built-in authentication support. It also supports authorization via hierarchical role-based access control (RBAC).

Skinning and theming

Yii implements a skinning and theming mechanism that allows you to quickly switch the outlook of a Yii-power website.

Web services

Yii supports automatic generation of complex WSDL service specifications and management of Web service request handling.

Internationalization (I18N) and localization (L10N)

Yii supports message translation, date and time formatting, number formatting, and interface localization.

Layered caching scheme

Yii supports data caching, page caching, fragment caching and dynamic content. The storage medium of caching can be changed easily without touching the application code.

Χαρακτηριστικά

Error handling and logging

Errors are handled and presented more nicely, and log messages can be categorized, filtered and routed to different destinations.

Security

Yii is equipped with many security measures to help prevent your Web applications from attacks such as SQL injection, cross-site scripting (XSS), cross-site request forgery (CSRF), and cookie tampering.

Unit and functionality testing

Yii provides support for writing and running unit tests as well as functionality tests, based on PHPUnit and Selenium.

Automatic code generation

Yii provides a set of intuitive and highly extensible code generation tools that can help you quickly generate the code you need for features such as form input, CRUD.

Friendly with third-party code

Yii is carefully designed to work well with third-party code. For example, you can use code from PEAR or Zend Framework in your Yii application.

Detailed documentation

Every single method or property is clearly documented. A book and comprehensive tutorials are also available for you to systematically learn Yii.

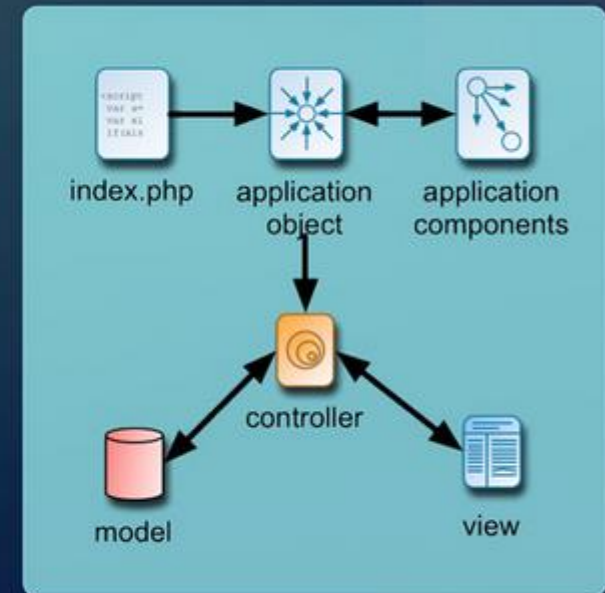
Extension library

Yii provides an extension library consisting of user-contributed components. This makes the above feature list never ending.

MVC

MVC

MODEL => DATA & BUSINESS RULES
VIEW => PRESENTATION (HTML)
CONTROLLER => AGENT



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CCOMPONENT CLASS

CCOMPONENT CLASS

- ◆ GETTERS & SETTERS
- ◆ EVENTS
- ◆ BEHAVIORS (MIXINS)

```
<?php
class SomeClass extends CComponent {
    private var $_myVar;
    public function getMyVar() {
        return $this->_myVar;
    }
}
$obj = new SomeClass();
echo $obj->myVar;
// Will throw an exception:
$obj->myVar = 23;
```

Αυθεντικοποίηση

- Κομμάτι της εφαρμογής του χρήστη
- Υπ::APP()->USER
- Μπορούμε να χρησιμοποιήσουμε και OpenID LDAP, Twitter, Facebook

Widgets

- Χρησιμοποιούνται για την παραγωγή HTML
- Build in under zii
- GridView, Menu, ListView, DetailView

Extensions

- Bootstrap
- Authorization
- TinyMCE
- <http://www.yiiframework.com/extensions>

Προχωρημένα θέματα

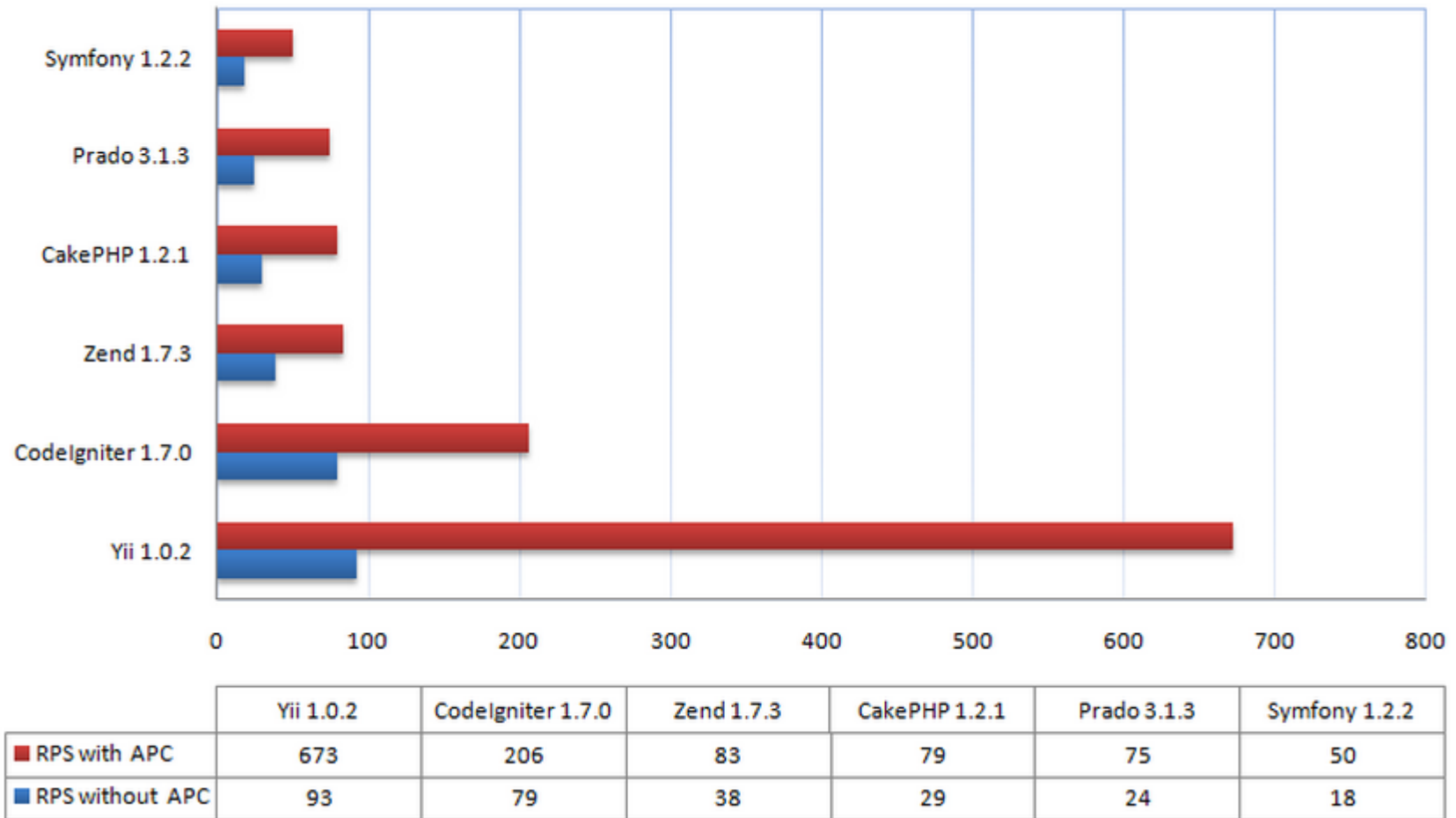
- Modules
 - Σαν να έχεις μια νέα γii εφαρμογή μέσα στην εφαρμογή η οποία όμως δεν μπορείς να τρέξει μόνη της
- Third party libraries
- Caching

Προχωρημένα θέματα

- Internationalization
- Testing
 - PHPUnit
 - Selenium
- Console applications
- Web Services

Απόδοση

PHP Framework Performance Comparison



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Άδεια

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Ξεκινάμε

- Δοκιμάζοντας τις απαιτήσεις
- Δημιουργήσουμε ένα πυρήνα site
- Edits & Scaffolding

Ερωτήσεις;



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