

CodeIgniter PHP Framework



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O meni

- 5 let izkušenj s PHP
- Ukvarjam se tudi s administracijo Unix strežnikov
- Vodja slovenske FreeBSD skupnosti (freebsd.si), sodelujem tudi pri slovenski Ubuntu skupnosti (ubuntu.si)
- Avtor odprto kodnega sistema za blog - Open Blog (<http://www.open-blog.info>)
- Na spletu poznan pod vzdevkom "Kami"
- Študiram računalništvo in informatiko

Danes bomo spoznali

- Kaj je framework?
- Kaj je MVC?
- Zakaj izbrati CodeIgniter?
- Zgodovina CodeIgniter PHP frameworka
- Predstavitev in primer uporabe na testni aplikaciji (krmilniki, pogledi, modeli, knjižnjice in pomočniki)
- Uporabni viri in povezave
- Vprašanja

Kaj je framework?

Programsko ogrodje ali framework je zbirka knjižnjic, orodij in razredov, ki nam pomagajo pri razvijanju aplikacij

Kaj je framework?

Spletno programsko ogrodje pa je programsko ogrodje, ki nam pomaga pri razvoju dinamičnih spletnih aplikacij

Kaj je framework?

Kaj je framework?

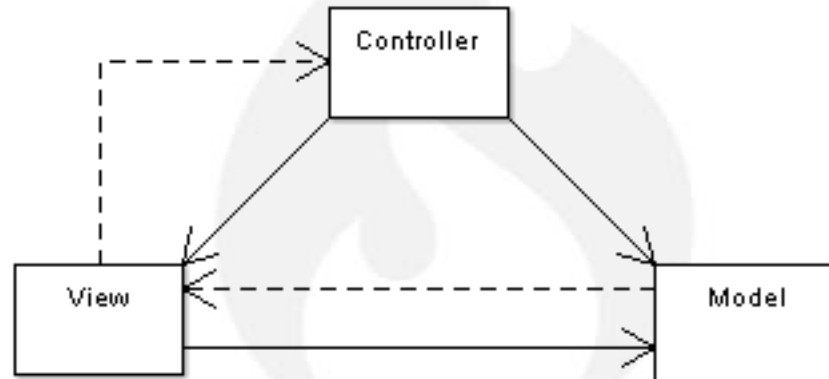
- Namen framework-a je, da nam olajša delo in prihrani čas
- Večina popularnih framework-ov uporablja **MVC** načrtovalski vzorec
- Pod framework-e štejemo tudi nekatere CMS-je (TYPO3, Drupal, ipd.)

Prednosti uporabe programskega ogrodja:

- Ponovna uporaba (reusable code)
- Krajši čas razvoja
- Razširljivost
- Skalabilnost

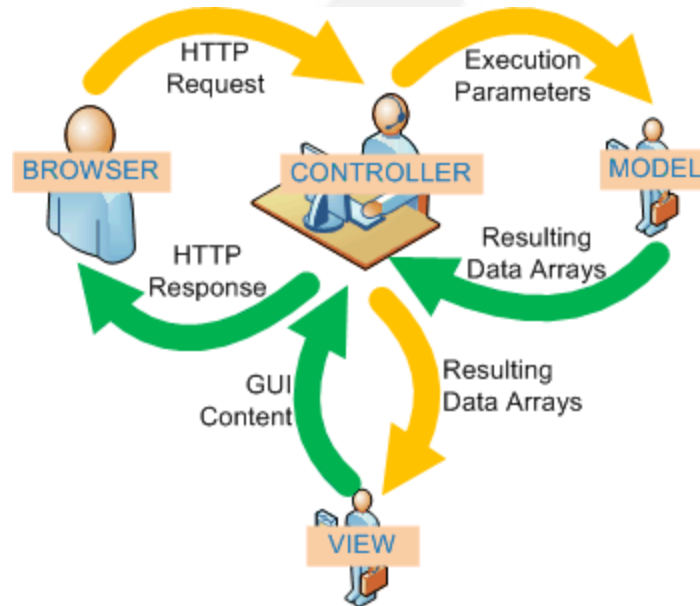
Kaj je MVC?

MVC je načrtovalski vzorec, ki striktno ločuje poslovno logiko od pogleda



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Zakaj izbrati CodeIgniter?

- MVC arhitektura
- Preprost za učenje in uporabo
- Zelo dobra dokumentacija
- Zelo prilagodljiv in razširljiv
- “Lahek” ampak zelo zmogljiv in hiter
- Velika in aktivna skupnost, ki z veseljem pomaga (forum, wiki, IRC)

Zakaj izbrati CodeIgniter?

	Run 1	Run 2	Run 3	Run 4	Average
Baseline HTML	1327.5	1326.5	1328.6	1329.1	1327.9
Baseline PHP	331.6	332.1	331.4	332.0	331.8
CakePHP	3.6	3.7	3.8	3.5	3.7
CodeIgniter	21.5	21.2	21.7	21.7	21.5
Zend Framework	9.3	9.1	9.2	9.3	9.2

število obdelanih zahtev na sekundo

Vir: <http://avnetlabs.com/php/php-framework-comparison-benchmarks>

CodeIgniter

- Razvilo podjetje **EllisLab**
- Februar 2006 – prva javna različica (**1.0**)
- Februar 2008 – različica **1.6**, ki je prinesla veliko novosti in izboljšav
- Oktober 2008 – različica **1.7**
- Zadnja različica (**1.7.1**) je izšla februarja letos
- Q4 2009 – CodeIgniter 2 ?



CodeIgniter

Uradna stran:

www.codeigniter.com

Prenos:

www.codeigniter.com/downloads/

Dokumentacija:

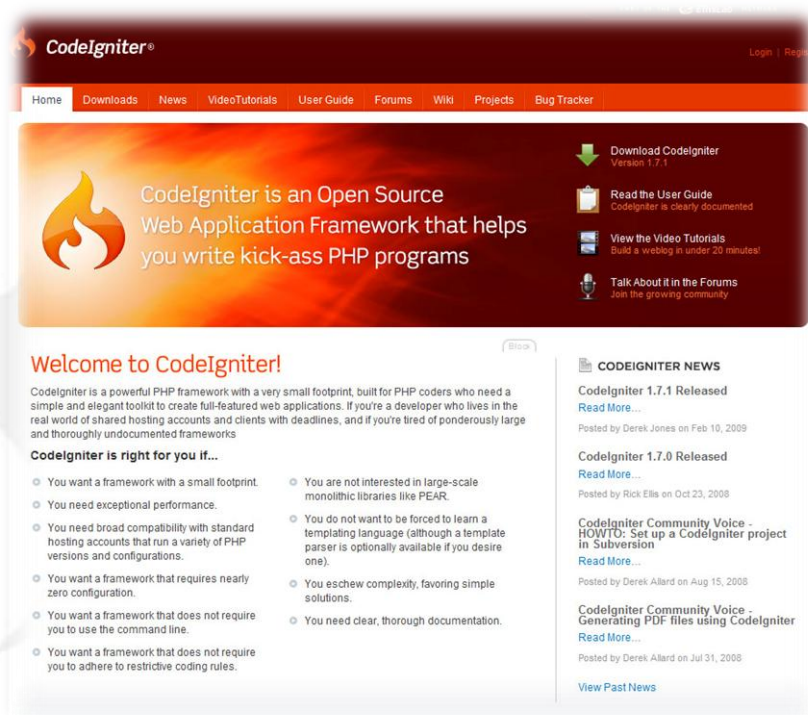
www.codeigniter.com/user_guide/

Wiki:

www.codeigniter.com/wiki/

Forum:

www.codeigniter.com/forums/



The screenshot shows the CodeIgniter website homepage. At the top, there is a navigation menu with links for Home, Downloads, News, VideoTutorials, User Guide, Forums, Wiki, Projects, and Bug Tracker. The main content area features a large banner with the CodeIgniter logo and the text: "CodeIgniter is an Open Source Web Application Framework that helps you write kick-ass PHP programs". Below the banner, there are several call-to-action buttons: "Download CodeIgniter Version 1.7.1", "Read the User Guide", "View the Video Tutorials", and "Talk About it in the Forums". The main content area is titled "Welcome to CodeIgniter!" and contains a paragraph of introductory text. Below this, there is a section titled "CodeIgniter is right for you if..." with a list of bullet points. On the right side, there is a "CODEIGNITER NEWS" section with three news items, each with a "Read More..." link.

CodeIgniter
Home Downloads News VideoTutorials User Guide Forums Wiki Projects Bug Tracker

Download CodeIgniter
Version 1.7.1

Read the User Guide
CodeIgniter is clearly documented

View the Video Tutorials
Build a weblog 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 versions and configurations.
- You want a framework that requires nearly zero configuration.
- You want a framework that does not require you to use the command line.
- You want a framework that does not require you to adhere to restrictive coding rules.
- 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 parser is optionally available if you desire one).
- You eschew complexity, favoring simple solutions.
- You need clear, thorough documentation.

CODEIGNITER NEWS

CodeIgniter 1.7.1 Released
[Read More...](#)
Posted by Derek Jones on Feb 10, 2009

CodeIgniter 1.7.0 Released
[Read More...](#)
Posted by Rick Ellis on Oct 23, 2008

CodeIgniter Community Voice - HOWTO: Set up a CodeIgniter project in Subversion
[Read More...](#)
Posted by Derek Allard on Aug 15, 2008

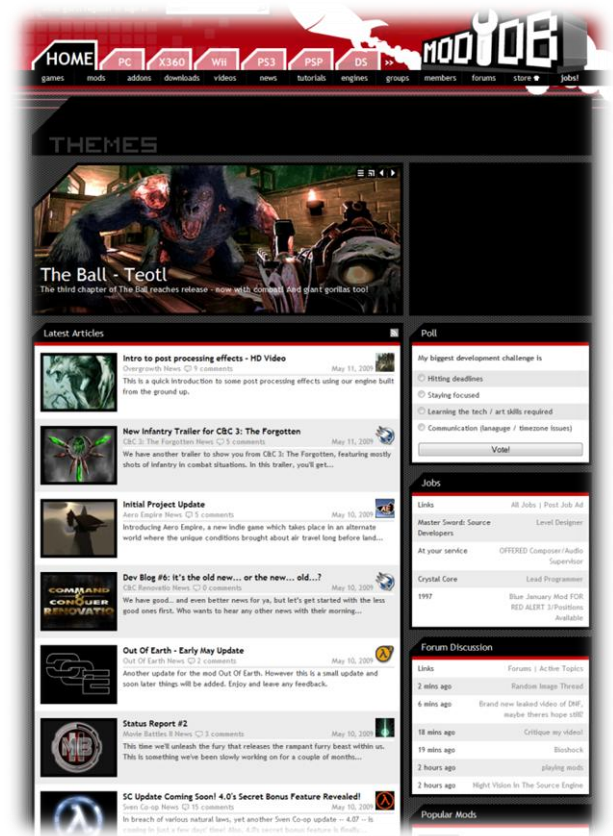
CodeIgniter Community Voice - Generating PDF files using CodeIgniter
[Read More...](#)
Posted by Derek Allard on Jul 31, 2008

[View Past News](#)

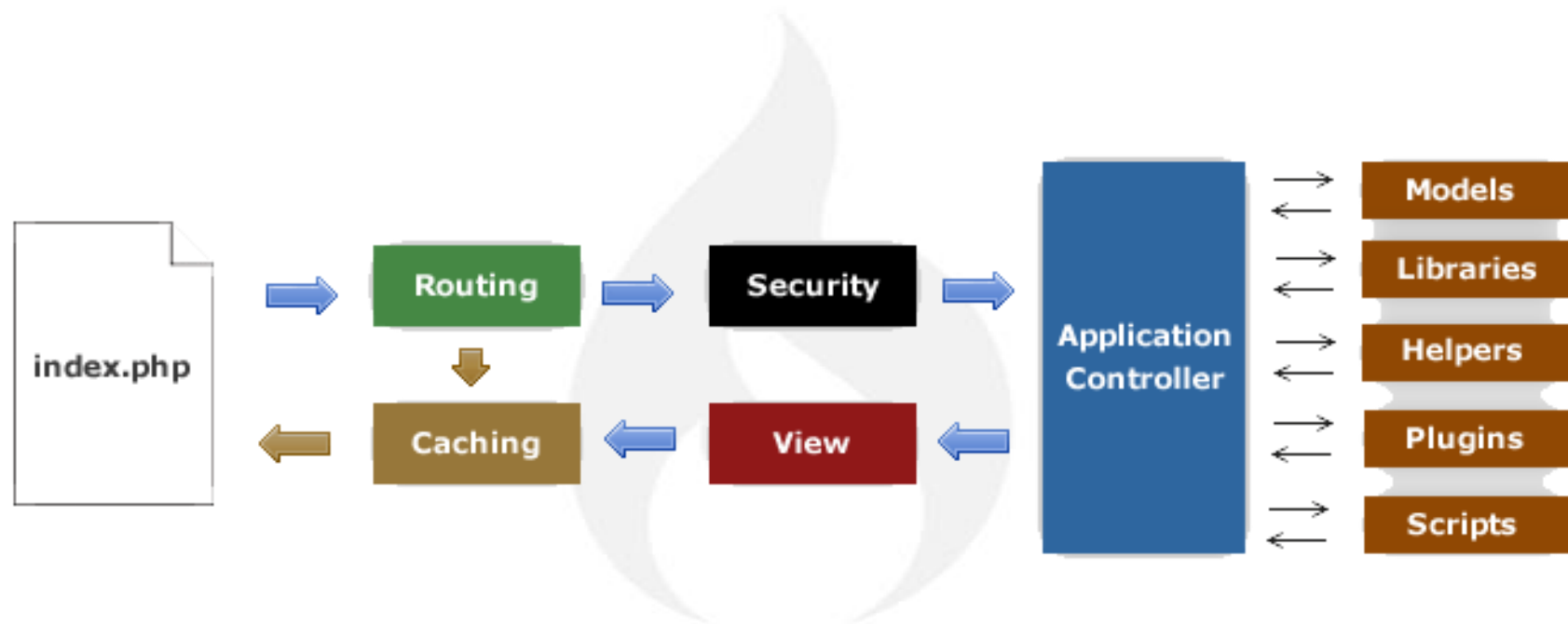
CodeIgniter

Večje spletne aplikacije razvite s pomočjo CodeIgniter-ja:

- <http://www.moddb.com>
- <http://www.gold.org>
- <http://www.opensourcefood.com>
- <http://www.campuslive.com>
- <http://www.snipprshop.de>
- <http://www.motortopia.com>
- <http://patterntap.com>
- <http://noknok.sanook.com>



Delovanje aplikacije



Predstavitev in primer uporabe

Primer uporabe na aplikaciji za organizacijo tekem – “Match Organizer”:

- Prikaz članov klana (members)
- Prikaz prihajajočih tekem (upcoming matches)
- Prikaz zadnjih tekem (played matches)
- Prikaz statistike
- Dodajanje prihajajočih tekem
- Dodajanje poročil za končane tekme

Ta primer je bil izdelan samo za demonstracijske namene.

Pri pravi aplikaciji je treba dati večji poudarek na varnosti, “optimalnosti kode”, organizaciji aplikacije in obveščanju uporabnika o napakah.


Predstavitev in primer uporabe

Clan Match Organizer




HOME LOGOUT MEMBERS MATCHES

Matches




Upcomming matches

Game	Date	Opponent	Match type	Game type
	21.07.2009	Team #c4	friendly	CTF
	27.07.2009	#K1~Gaming	clanbase	CTF
	25.08.2009	incydent	friendly	CTF





Played matches

Game	Date	Opponent	Match type	Game type	Result	Details
	15.06.2009	incydent	clanbase	CTF	10 : 7	
	15.07.2009	Cpl against	friendly	TDM	60 : 60	
	15.07.2009	Team #c4	friendly	CTF	9 : 3	
	15.07.2009	Team Break	friendly	CTF	2 : 5	

Upcoming matches

-  Team #c4 21.07.2009
-  #K1~Gaming 27.07.2009
-  incydent 25.08.2009

Latest results

-  incydent 10 : 7
-  Cpl against 60 : 60
-  Team #c4 9 : 3
-  Team Break 2 : 5

Statics

Won: 2 | Lost: 1 | Draw: 1

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izgled ene izmed podstrani

Uporabne povezave in viri - knjižnjice

Knjižnjice:

- **Organizacija aplikacije v module:**

- Matchbox (<http://code.google.com/p/matchbox/>)*
- Modular Extension (http://codeigniter.com/wiki/Modular_Extensions_-_HMVC/)

- **Object Relational Mapping (ORM):**

- IgnitedRecord (<http://www.assembla.com/wiki/show/IgnitedRecord>)
- Data Mapper (<http://stensi.com/datamapper/>)

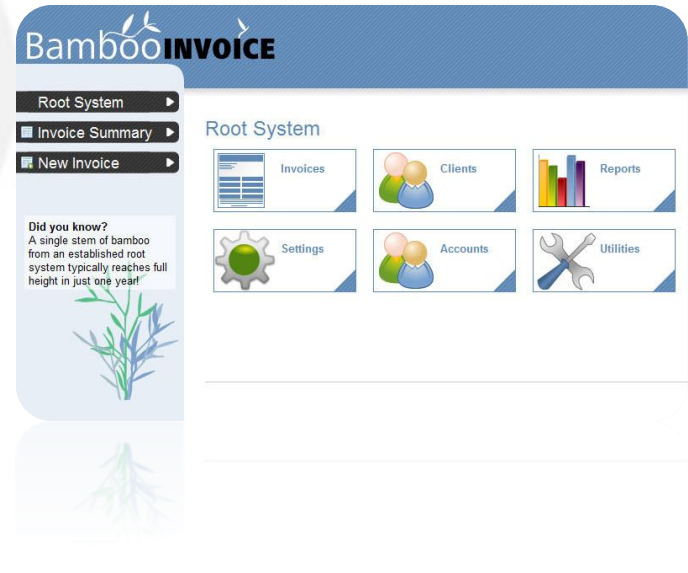
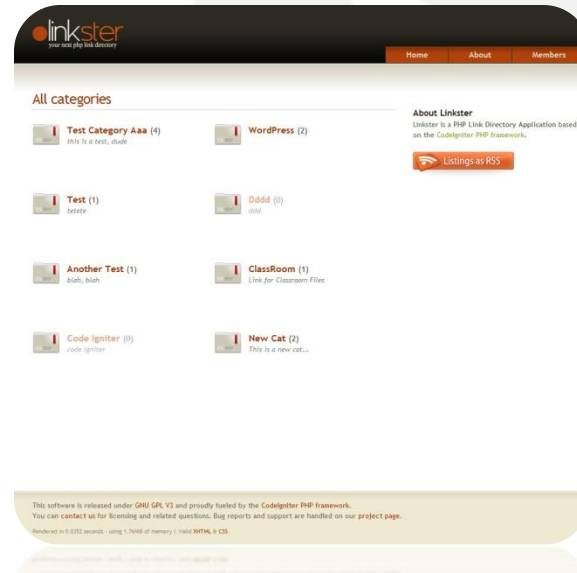
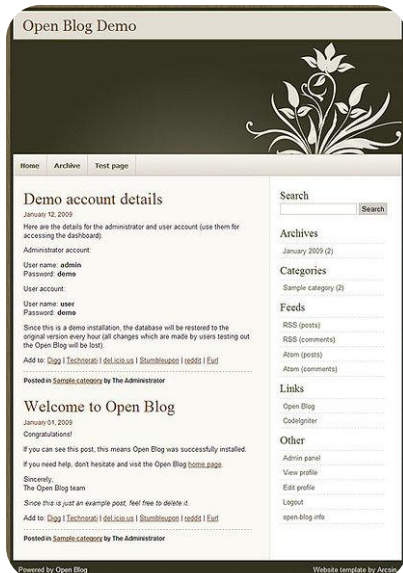
- **Avtentikacija, ACL:**

- Tank Auth (http://konyukhov.com/soft/tank_auth/)
- FreakAuth (<http://freakauth.4webby.com/>)
- DX Auth (http://dexcell.shinsengumiteam.com/dx_auth/)
- The Authentication Library (http://www.adamgriffiths.co.uk/user_guide/)
- KhACL (<http://codeigniter.com/forums/viewthread/70197/>)

Uporabne povezave in viri - aplikacije

Aplikacije:

- BambooInvoice (<http://bambooinvoice.org>) - spletna aplikacija za izdajanje računov
- 64KB (<http://68kb.com>) – aplikacija za bazo znanj (knowledge database)
- Linkster (<http://www.assembla.com/wiki/show/linkster>) – imenik povezav
- Open Blog (<http://www.open-blog.info>) - sistem za blog

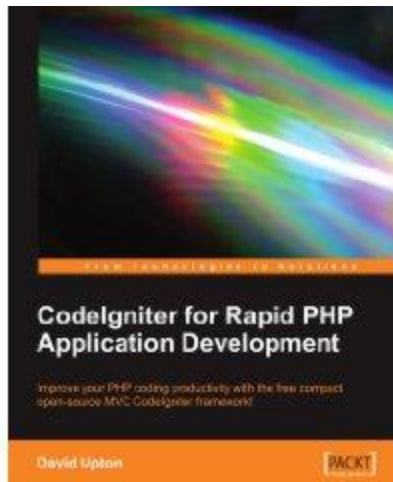


Uporabne povezave in viri - ostalo

Ostale uporabne povezave in viri:

- Dokumentacija - http://codeigniter.com/user_guide/
- Forum - <http://codeigniter.com/forums/>
- Wiki - <http://codeigniter.com/wiki/>
- CodeIgniter Directory - <http://www.codeigniterdirectory.com>
- Blog enega izmed razvijalcev - <http://www.derekallard.com>
- Blog enega izmed uporabnikov - <http://www.haughin.com>

Uporabne povezave in viri - knjige



CodeIgniter for Rapid PHP Application Development

Avtor: David Upton

Založnik: Packt Publishing

Datum izdaje: 23. julij, 2007



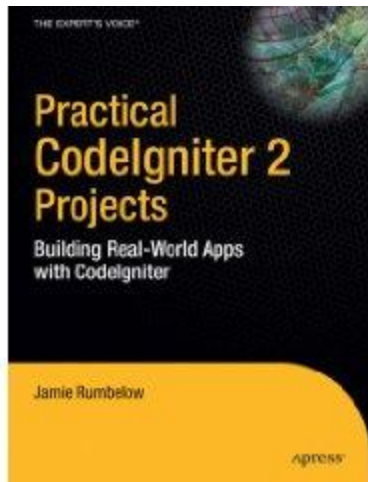
Professional CodeIgniter

Avtor: Thomas Myer

Založnik: Wrox

Datum izdaje: 28. julij, 2008

Uporabne povezave in viri - knjige



Practical CodeIgniter 2 Projects: Building Real-World Apps with CodeIgniter

Avtor: Jamie Rumbelow

Založnik: APRESS

Datum izdaje: 30. oktober 2009

Hvala za pozornost

Vprašanja ?
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