Introduction to Rapid Web Development with Catalyst

Sebastian Wötzel
http://www.zuendmasse.de

Industrieschule Chemnitz

Overview

- Perl Basics

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- Perl Basics
- Catalyst MVC Framework

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- Catalyst MVC Framework
- ISC::Blog

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- Catalyst MVC Framework
- ISC::Blog
- (start coding)

Programming Perl

3 virtues of a programmer

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- laziness

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3 virtues of a programmer

- laziness
- hubris

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perl motto

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perl motto

- TIMTOWTDI

Perl Distributions

- Mac OS X, Linux
  - included

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- Mac OS X, Linux
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- Win32
  - Strawberry Perl
    http://strawberryperl.com/
  - ActivePerl
    http://www.activestate.com/ActivePerl/

CPAN

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- documentation (POD)

Community

- Perl Mongers - http://www.pm.org http://perlmongers.de
- PerlMonks - http://www.perlmonks.com
- Planet Perl - http://planet.perl.org
- use Perl; - http://use.perl.org
- IronMan - http://ironman.enlightenedperl.org/
- IRC - http://irc.perl.org

Perl Basics

build in data types

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- scalars $

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- hashes (associative arrays) %

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use strict;

USE STRICT!!!

Scalars

```
my $foo = "ITF08C";
my $bar = 23;
my $moo = 42 + 23;
my $koo = 42 . " - the answer to life the universe and everything";

my $scalarref = \$koo;
print $$scalarref;
```

Arrays

```
my @foobar = ( 12, 3, 'foo', $baz, "$moo", '$moo' );
my $mookooh = $foobar[2];

my $arrayref = \@foobar;
print @$arrayref[2];
print $arrayref->[2];
```

Hashes

```
my %foobar = ('moo' => 'mookooh', 'foo' => 'bar');
my $mookooh = $foobar{moo};
$foobar{baz} = 42;

my $hashref = \%foobar;
print $hashref->{foo};
print %$hashref{moo};
```

Subroutines

```
sub foobar {
my ($arg1, $arg2) = @_;
print $arg1;
return ++$arg2;
}

my $mookooh = foobar(23, 42);
```

Catalyst

http://www.catalystframework.org

- MVC

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- MVC
  - Model

Catalyst

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- MVC
  - Model
  - View

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  - Controller

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- fat model, thin controller

Sites running Catalyst

- BBC IPlayer - TV and radio highlights
- NetAcad advantage - Post-training resources for CISCO NetAcad students
- iWantMyName - painless domain registration
- hcl.mandriva.com - Mandriva hardware Support
- MighTyV - TV Listings
- YouPorn - ;-)

ISC::Blog

- list recent posts

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- CRUD posts

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- View: Template::Toolkit
- Forms: HTML::FormFu

ISC::Blog - Model

```
CREATE TABLE entries (
        id INTEGER PRIMARY KEY AUTOINCREMENT,
        created_at DATETIME,
        updated_at DATETIME,
        text TEXT,
        title VARCHAR(255),
        urltitle VARCHAR(255),
        author INTEGER REFERENCES author(id)
);

CREATE TABLE authors (
        id INTEGER PRIMARY KEY AUTOINCREMENT,
        name VARCHAR(255),
        password VARCHAR(255)
);
```

ISC::Blog - Let's write some code

Questions

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