

# Burning Code in Web Development

## CodeIgniter

## MVC

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PWDO

De La Salle - College of St. Benilde



# Rowen Remis R. Iral

- Fundamental IT Engineer - [www.philnits.org](http://www.philnits.org)
- OLPC-PH Enterprise
  - <http://olpcphent.ismywebsite.com>
- BonPrestige
- [www.friendster.com](http://www.friendster.com)
- AllPoints Feedback LLC
  - <http://www.allpointsfeedback.com>

# Web Development

- **Designing using**
  - **HTML (structure)**
  - **CSS (layout)**
  - **Flash (animation)**
  - **JavaScript**
  - **Server side scripts (php, jsp, php, py)**
  - **Browser**
  - **Server (web server, mail server, database server)**

# HTML, CSS, Javascript

- **You should learn how to structure and design your site**
- **CSS for applying design**
- **JavaScript for interactivity on the Client Side**

# Servers

- **Web Server**
  - This serves your pages (html and other files including images, sound, flash files, etc.) Some are owned, some are hosted
  - This also runs your code (php, jsp)
- **Apache, IIS, Mac OS Web Server**

# Servers

- **Mail Server**
  - This processes and serves your email.  
Most hosting has this one
- **Other servers:**
  - Streaming server
  - Cache
  - CDN
  - Photos
  - Database(MySQL, PostGre, MSSQL)

# Challenges on Web Development

- **Programming**
- **Business and Systems**
- **Designing**
- **Servers**
- **Bandwidth allocation**
- **Internet Connection**

# Programming for Web

- **PHP**
- **Java**
- **JSP**
- **ASP**
- **.Net**
- **Flash/Flex...**
- **Python**
- **Perl**



# Web Development Frameworks

- **Generic ones**
  - **CMS (Content)**
    - Joomla [www.joomla.org](http://www.joomla.org)
    - Drupal [www.drupal.org](http://www.drupal.org)

# PHP Web Development

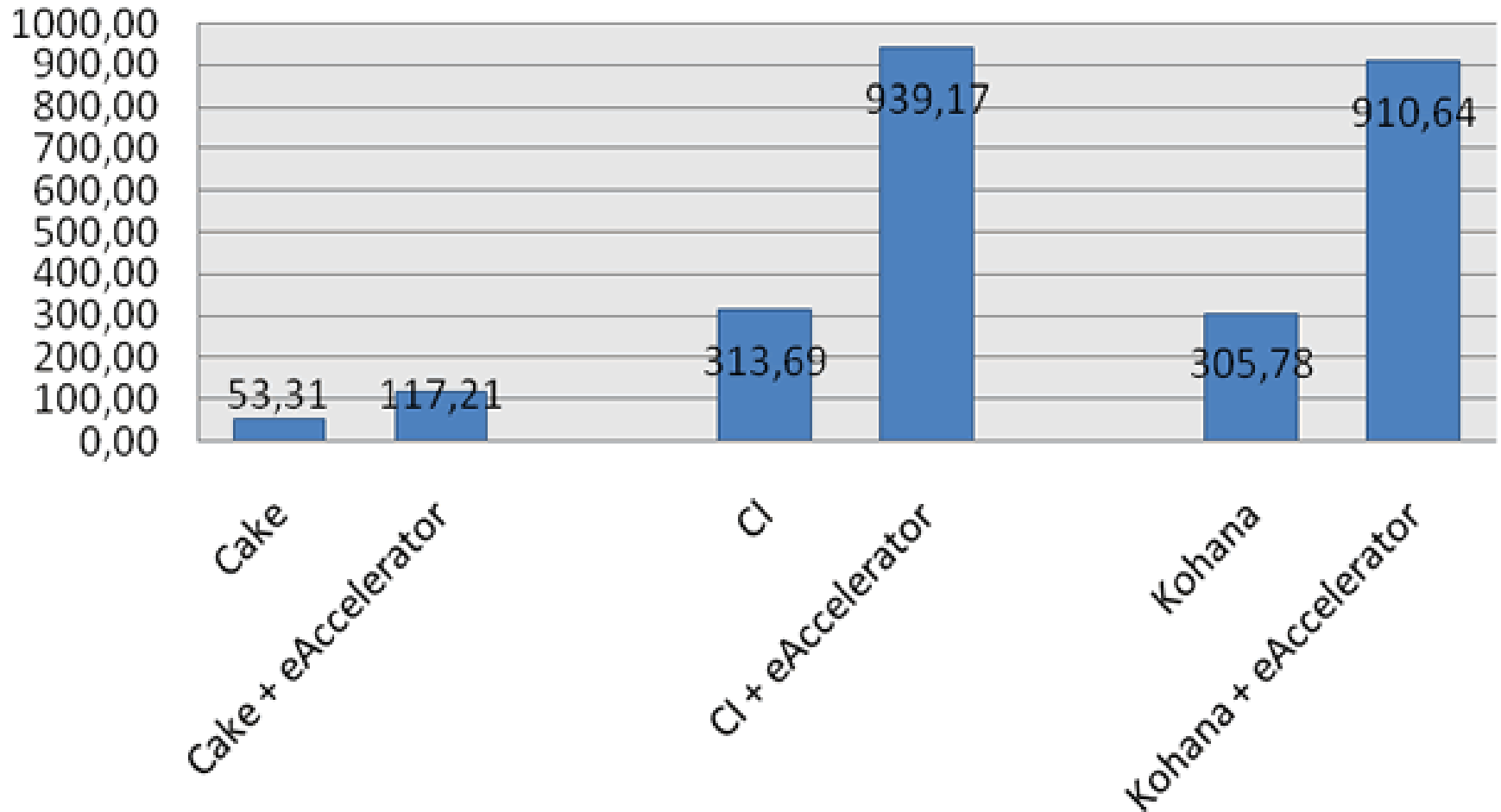
- **PHP (Hypertext Preprocessor)**
  - Mostly popular among web developers.
  - May take time to learn.
  - Take time to develop, test and deploy.

# PHP Frameworks

- **PHP-based**
- **Runs on any webserver with php compatibility**
- **Has a set of tools, libraries and classes for easier web development**

# PHP Frameworks

Requests per second



# CodeIgniter

- **PHP framework**



- **CodeIgniter uses MVC**
- **Developed by EllisLab Inc.**
- [www.codeigniter.com](http://www.codeigniter.com)

# Models

- **Definition of the Database connection**
- **This contains how data is communicated between user and the database itself**

# Views

- **Structure, page**
- **HTML layout**
- **This is what is seen by the visitors or users of your web application**

# Controllers

- This is the logic or controllers.
- Contains functions that performs actions for initializing a library, helper and other configuration.
- Calls the *models* to prepare data and then calls the *views* to display the data.



# Controller

```
class Hello extends Controller{  
    function Hello(){  
        parent::Controller();  
    }  
  
    function hello(){  
        $data['message'] = "web designers";  
        $this->load->view('hello');  
    }  
}
```

# View

```
<html>
```

```
<head><title>PWDO Mini  
Conference</title></head>
```

```
<body>
```

```
<p align="center">
```

```
    Hello <?php echo $message; ?>
```

```
</p>
```

```
</body>
```

```
</html>
```

# Questions?

**Samples:**

**[www.bonprestige.com](http://www.bonprestige.com)**

**[allpointsfeedback.com/sys/hha2/ci/index.php/form](http://allpointsfeedback.com/sys/hha2/ci/index.php/form)**

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