

# CakePHP Training

Take control of CakePHP



# Course Outline

- Major Topics
  - Security
  - Performance
  - Customization
  - Alternate Content Types
- PhotoBlog Example
  - Photos
  - Uploads
  - Associations
  - Good example

# Topic: Security





<http://xkcd.com/327/>

# Security Component

Often hated, but who doesn't hate security?



```
public $components = array(  
    'Security' => array(  
        'csrfUseOnce' => false,  
        'validatePost' => true,  
        'blackholeCallback' => 'aMethod'  
    ),  
);
```

```
function beforeFilter() {  
    parent::beforeFilter();  
    if (...) {  
        //Disable form security check  
        $this->Security->validatePost = false;  
    }  
}
```

# Blackholed Requests

Securing against malicious users



```
public function _blackhole() {  
    if ($this->request->is('post') || $this->request->is('put')) {  
        //render form again  
    }  
    throw new BadRequestException('get off!');  
}
```



# Prevent XSS

Escape output: `h()`

`<?php echo $photo['Photo']['title'] ?>` WRONG!!!

`<?php echo h($photo['Photo']['title']) ?>` GOOD!!!

```
<ul>
  <?php foreach ($photo['Label'] as $label) : ?>
    <li><?php echo h($label['name']); ?></li>
  <?php endforeach; ?>
</ul>
```

# Other XSS Options

View Class changes, TwigView, etc..

# **Topic: Alternate Content**

# Basic Data Access

JSON Output, XML Output,  
RequestHandler

```
public $components = array(  
    'RequestHandler'  
);
```

```
$this->set('myVar', $value);  
$this->set('otherVar', $otherValue);  
$this->set('_serialize', array('myVar', 'otherVar'));
```

# Rss Feeds

Handy helper available just for you





# Alternate view templates

```
app
  View
    Photos
      xml
        index.ctp
      rss
        index.ctp
      json
        index.ctp
```

# **Topic:**

# **Performance**



# Recursion

Limit by default, increase where needed

```
|<?php
```

```
class AppModel extends Model {  
    public $recursive = -1; // This is your best friend  
}
```

# Containable

```
public $actsAs = array('Containable');
```

```
<?php
public $actsAs = array('Containable');

$this->Phot->find('all', array(
    'contain' => false //No associations
));

$this->Photo->find('all', array(
    'contain' => array(
        'User' => array(
            'fields' => ...,
            'conditions' => ...,
            'order' => ...
        ),
    ),
);

$this->Invoice->find('first', array('contain' => array('Client' => array('Address' => 'Country'))));
```

# Query Caching

Don't hit the DB twice for the same SQL call



```
<?php
/// NOTES:
/*

    - In-Memory only.
    - Per-request caching
    - Handy as projects get larger
*/
App::uses('Model', 'Model');

class AppModel extends Model {

    public $cacheQueries = true;

}
```



# Full Page Caching

Cache all the things!!



# More Caching

Find Caching, Model Caching,  
read-through, write-through

# **Topic:** **Customization**



# Custom Routes

Short URL for photos:  
<http://site.com/p/1234>

# Custom Routes

Short URL with slugs:  
<http://site.com/p/my-photo>