CakePHP Training

Take control of CakePHP

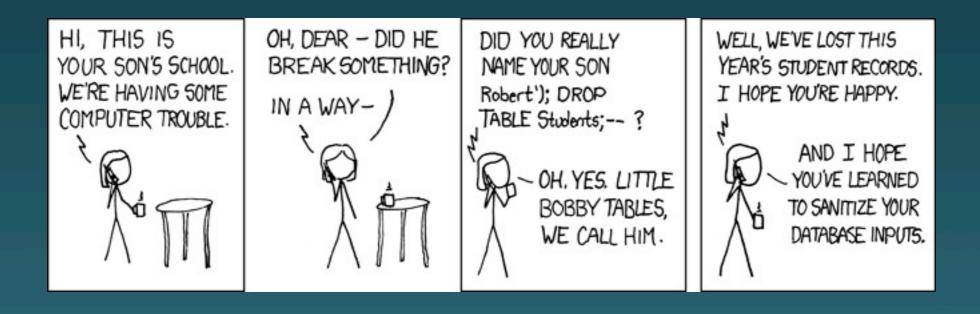


Course Outline

- Major Topics
 - Security
 - Performance
 - Customization
 - Alternate ContentTypes

- 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!!!

Other XSS Options

View Class changes, TwigView, etc..

Topic: Alternate Content

Basic Data Access

JSON Output, XML Output, 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

```
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
}</pre>
```

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'))));
```

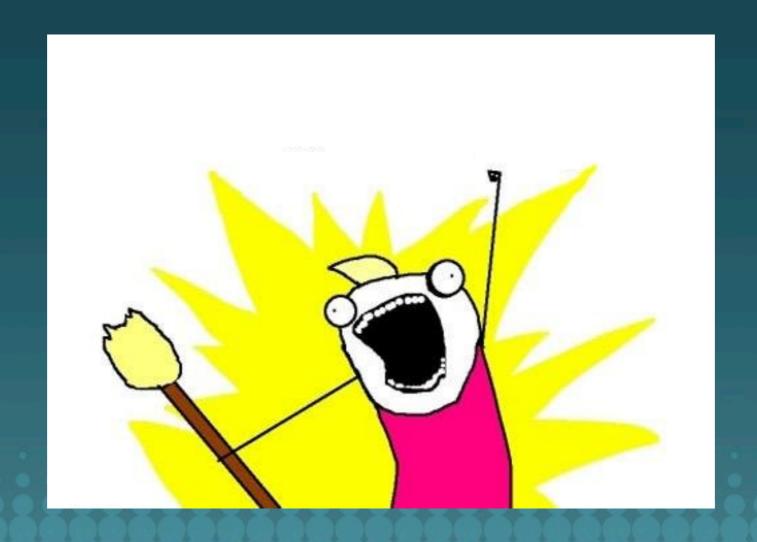
Query Caching

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