



# Index

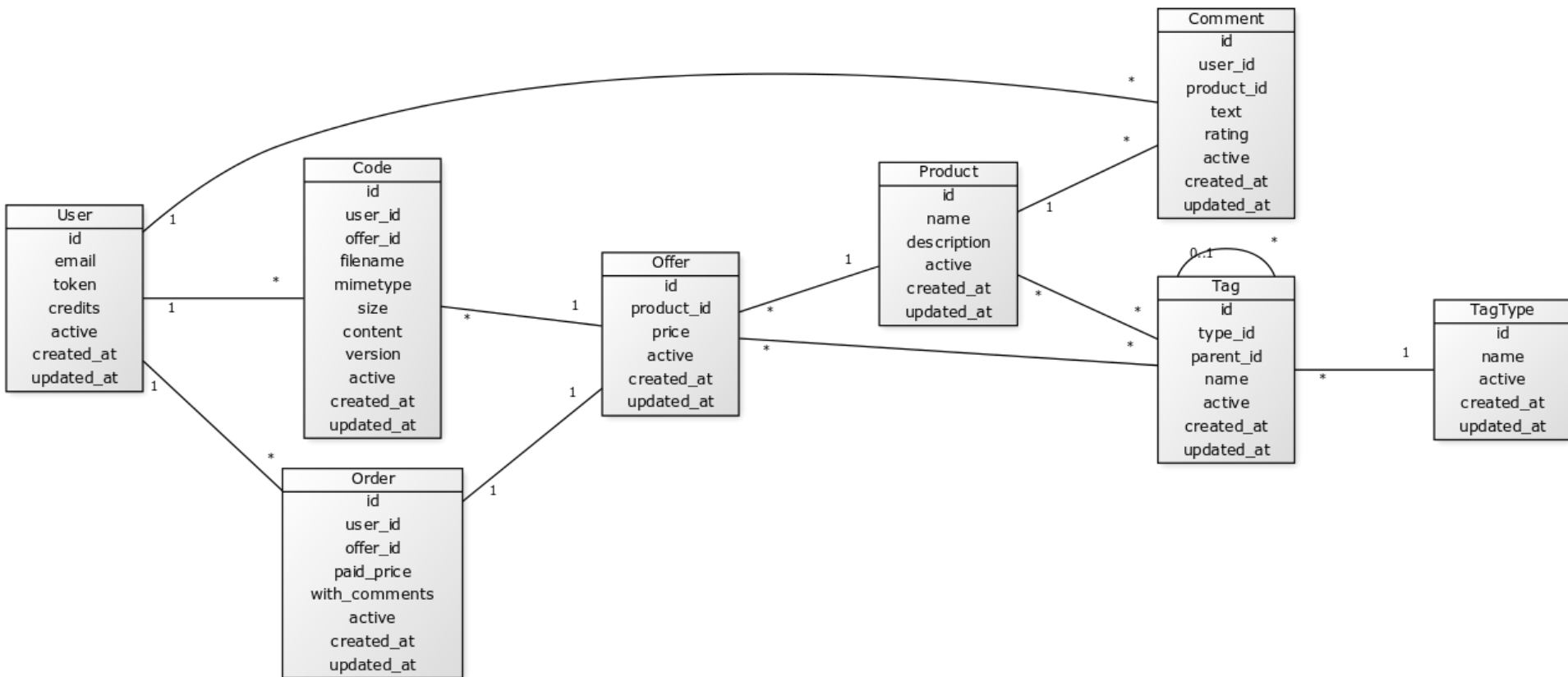
- Technologies used
- Database
- Features
- Team distribution
- Lessons learned
- Demo / Screencast
- Q&A

# Technologies used

- Responsive design: Bootstrap
- OR Mapper: Propel
- Libs & autoloading: Composer
- Cross platform js: JQuery
- Application logic: PHP
- Webserver: Apache | Lighttpd
- DBMS: SQLite | MySQL

# Database

- ERD



# Database

- PDO Database abstraction



# Features

- Strict MVC

```
[ente@pond1 webshop]$ ls
access.log      composer.lock  conf          doc           LICENSE      propel        resource      src          view
composer.json  composer.phar  controller    error.log     model        README.md    sql          vendor       www

[ente@pond1 webshop]$ ls model/
CodePeer.php      OfferTagPeer.php  ProductI18nPeer.php  ProductTag.php      TagI18nQuery.php      TagTypePeer.php
Code.php          OfferTag.php      ProductI18n.php      ProductTagQuery.php  TagPeer.php           TagType.php
CodeQuery.php     OfferTagQuery.php  ProductI18nQuery.php  ReviewPeer.php      Tag.php              TagTypeQuery.php
map              om                ProductPeer.php      Review.php          TagQuery.php          UserPeer.php
OfferPeer.php     OrderPeer.php     Product.php          ReviewQuery.php     TagTypeI18nPeer.php  User.php
Offer.php         Order.php         ProductQuery.php     TagI18nPeer.php     TagTypeI18n.php      UserQuery.php
OfferQuery.php    OrderQuery.php    ProductTagPeer.php   TagI18n.php         TagTypeI18nQuery.php

[ente@pond1 webshop]$ ls view/
error.php  gitkit.php  json.php  product_add.php  product_list.php
footer.php header.php  order.php  product_details.php

[ente@pond1 webshop]$ ls controller/
CodeController.php  GitkitController.php  OrderController.php  ProductsController.php
Controller.php      JsonController.php    PopulateController.php  UserController.php
ErrorController.php MainController.php     ProductController.php
```

# Features

- PHP templating

```
<?php $this->view('header'); ?>
<p class="lead"><?php echo "$pageTitle"; ?></p>
<ul class="list-group">
  <?php foreach($items as $item):?>
    <li class="list-group-item cs-shopping-cart-item">
      <div class="row">
        <div class="col-xs-8">
          <?php echo $item->getProduct()->getName(); ?>
        </div>
        <div class="col-xs-4 text-right">
          <b class="cs-shopping-cart-item-price"><?php echo $item->getPrice(); ?></b>&cent;
        </div>
      </div>
    </li>
  <?php endforeach; ?>
  <li class="list-group-item list-group-item-info">
    <div class="row">
      <div class="col-xs-8">
        Total
      </div>
      <div class="col-xs-4 text-right">
        <b class="cs-shopping-cart-total-price"><?php echo $shoppingCartTotalPrice; ?></b>&cent;
      </div>
    </div>
  </li>
</ul>
<?php if ($enoughtCredits): ?>
  <form action="<?php echo lang(); ?>/order/finish" method="post">
    <button class="btn btn-default" type="submit">Bestellen</button>
  </form>
<?php else: ?>
  <div class="alert alert-danger" role="alert"><?php echo label('notEnoughCredits'); ?></div>
<?php endif; ?>
<?php $this->view('footer'); ?>
```

# Features

- i18n - Labels

```
    "en" : "download",
    "de" : "herunterladen"
  },
  "orderOverview": {
    "en" : "Order overview",
    "de" : "Bestellübersicht"
  },
  "notEnoughCredits": {
    "en" : "You don't have enough credits to complete your order. Fill up your credits.",
    "de" : "Zu wenig Credits verfügbar, um die Bestellung auszuführen. Bitte laden Sie Ihre Credits auf."
  },
  "tags": {
    "en" : "Tags",
    "de" : "Tags"
  },
  "add": {
    "en" : "Add"
```

```
<?php if ($notEnoughCredits): ?>
<form action="<?php echo lang(); ?>/order/finish" method="post">
  <button class="btn btn-default" type="submit">Bestellen</button>
</form>
<?php else: ?>
<div class="alert alert-danger" role="alert"><?php echo label('notEnoughCredits'); ?></div>
<?php endif; ?>
<?php $this->view('footer'); ?>
```




# Features

- i18n - Database

```
sqlite> .tables
cs_code          cs_product      cs_tag          cs_user
cs_offer         cs_product_i18n  cs_tag_i18n
cs_offer_tag     cs_product_tag   cs_tag_type
cs_order         cs_review        cs_tag_type_i18n
sqlite> SELECT * FROM cs_product_i18n;
1|en_US|Hello world|The famous hello world snippets
1|de_CH|Hallo Welt|Das berühmte Hallo Welt Snippet
2|en_US|Blasen sort|Basic sort method
2|de_CH|Blasen sort|Basic sort method
3|en_US|Schnell sort|Fast sort method
3|de_CH|Schnell sort|Fast sort method
4|en_US|Neues Produkt|Beschribula
4|de_CH|Neues Produkt|Beschribula
sqlite> 
```

# Features

- i18n – search



## Products

Hello world

The famous hello world snippets

Framework

Snippets

Scripts

Classes

Full software

starting from 100€

★

★

☆

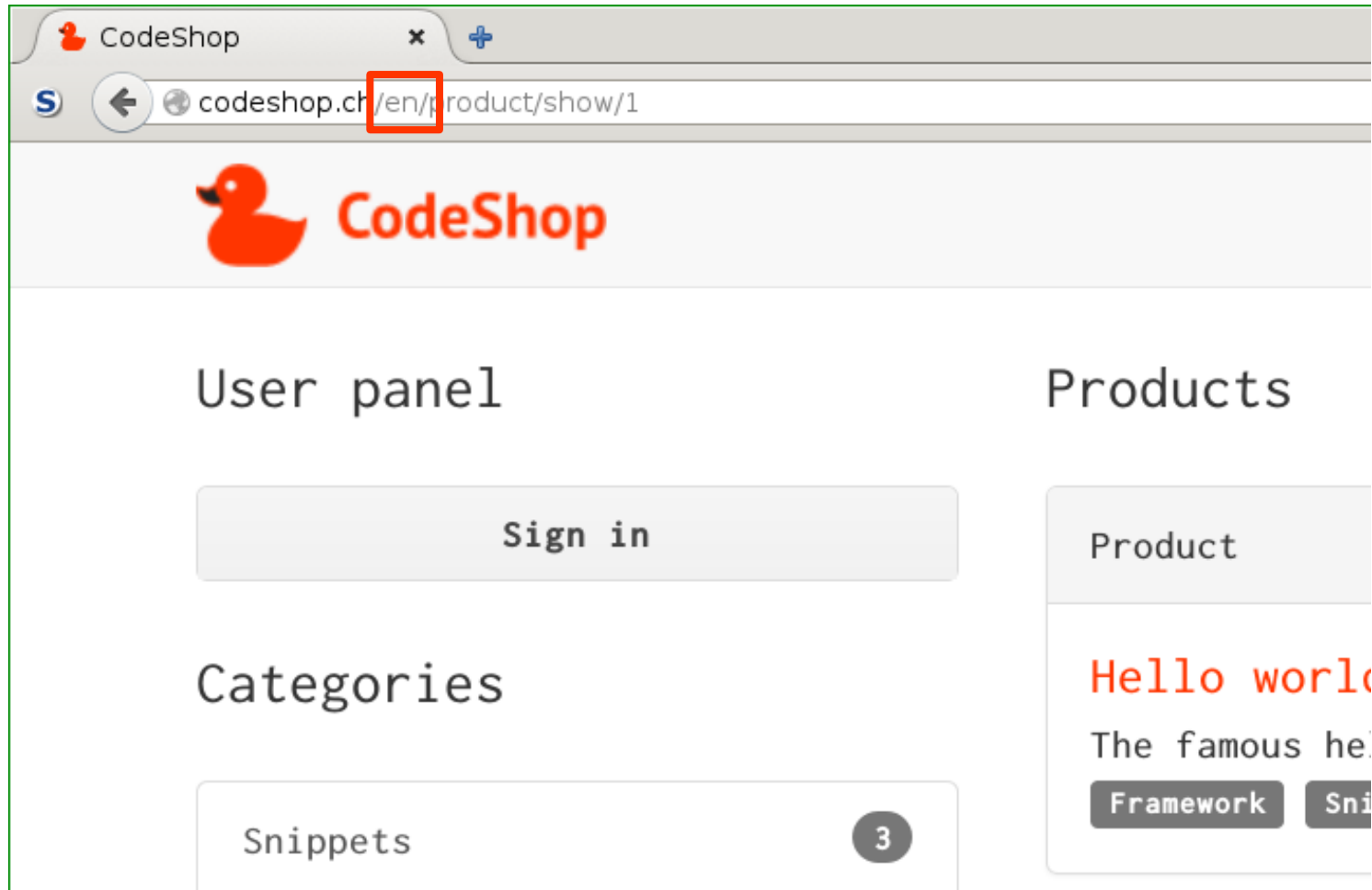
☆

☆

8 Reviews

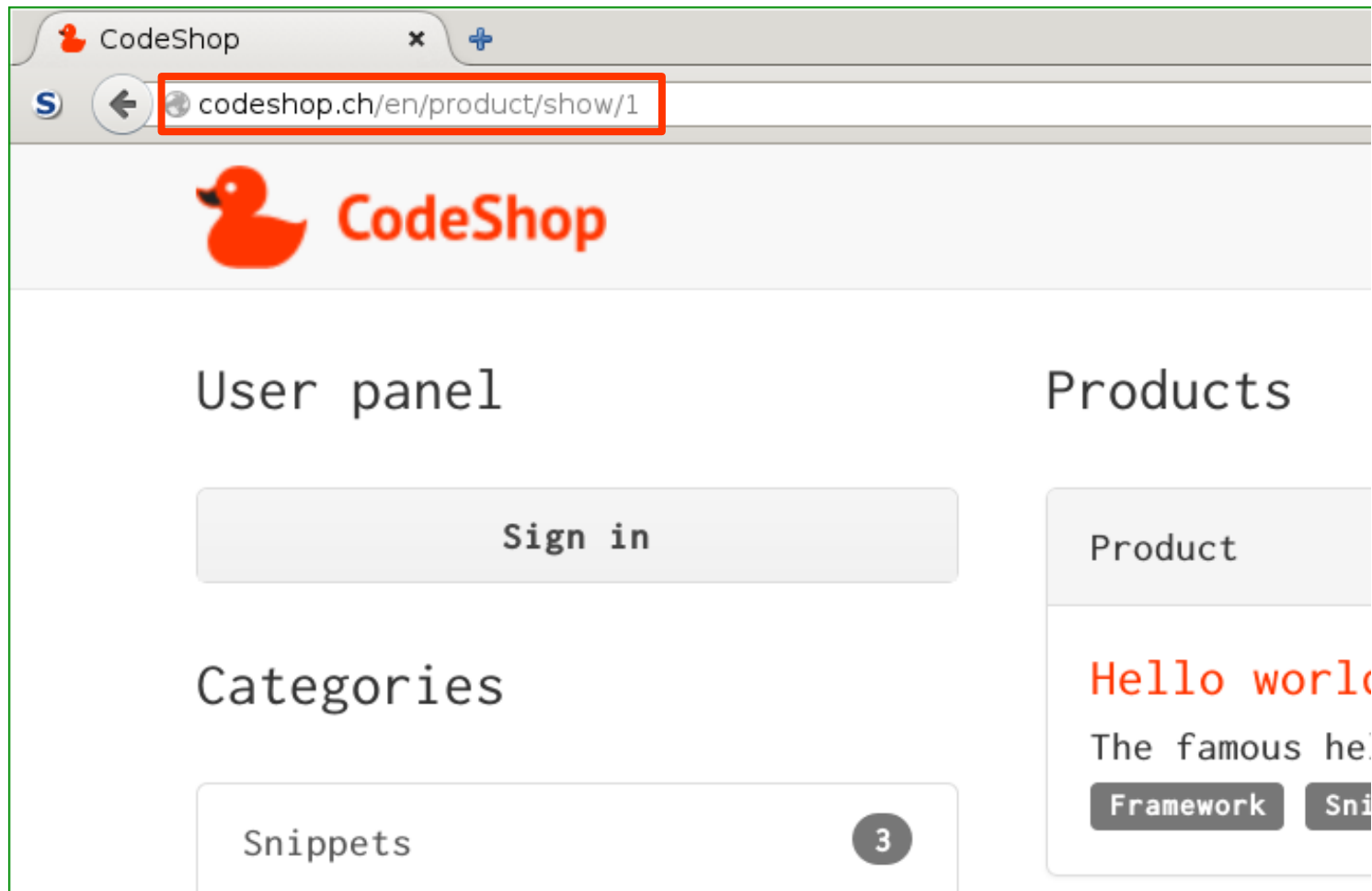
# Features

- i18n – url



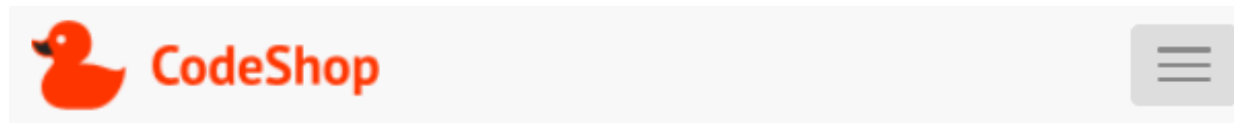
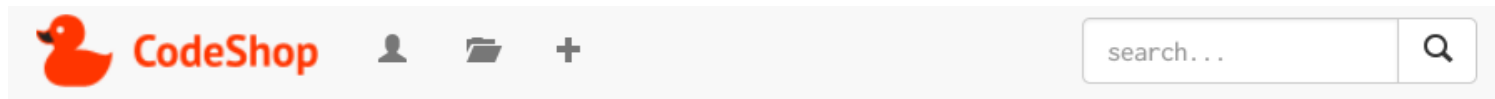
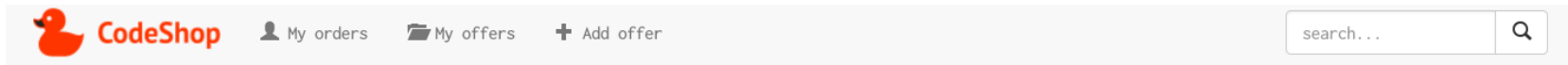
# Features

- Clean url



# Features

- Responsive design



User panel

# Features

- Wikipedia web service consuming

Product

Hello world

The famous hello world snippets

Framework

Snippets

Scripts

Classes

Full software

*A "Hello, World!" program is a computer program that outputs "Hello, World!" (or some variant thereof) on a display device. Because it is typically one of the simplest programs possible in most programming languages, it is by tradition often used to illustrate to beginners the most basic syntax of a programming language. It is also used to verify that a language or system is operating correctly. == Purpose == A "Hello, world!" program has become the traditional first program that many people l...*

# Features

- User content – add offers

Add offer

<b>Name</b>	<input type="text" value="Awesome code"/>
<b>Description</b>	<input type="text" value="Awesome algorithm!"/>
<b>Categories</b>	<input type="text" value="× Skripte"/>
<b>Programming languages</b>	<input type="text" value="× A-0 System × o:XML × C Shell"/>
<b>Code file</b>	<input type="text" value="Browse... aweomsecode"/>
<b>Price</b>	<input type="text" value="90001"/> <input type="button" value="Add"/>

# Features

- User content – add reviews

★★★★★  
I like this!

★☆☆☆☆  
Me not...

★★★★★  
GREAT!

2015-01-07 22:32:41

2015-01-07 22:33:02

2015-01-07 22:33:22

write review...

Rating: ★★★★★

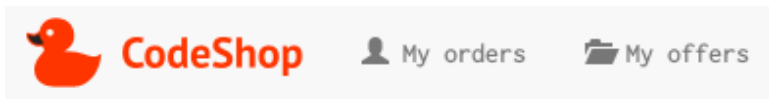
Add review



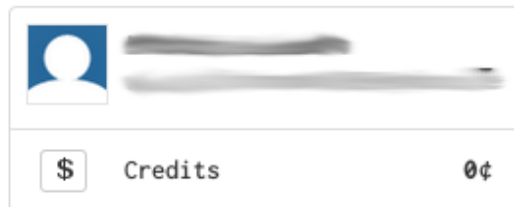
# Features

- Google login

Please sign in to **codeshop.ch**



## User panel



## Categories



## Products




## Choose an account




[+ Add account](#)

# Features

- Security - error handling

 CodeShop

search... 

User panel

Sign in

Categories

Snippets	5
Scripts	7
...	...

Error 404

The page you are looking for doesn't exist. We're sorry.

# Features

- Security - minimal code exposure

```
[ente@pond1 webshop]$ find www/ -maxdepth 2
www/
www/robots.txt
www/index.php
www/fonts
www/fonts/OpenSans-SemiboldItalic.ttf
www/fonts/OpenSans-Light.ttf
www/fonts/apache License.txt
www/fonts/OpenSans-Italic.ttf
www/fonts/OpenSans-Bold.ttf
www/fonts/OpenSans-Regular.ttf
www/fonts/OpenSans-BoldItalic.ttf
www/fonts/OpenSans-ExtraBold.ttf
www/fonts/OpenSans-LightItalic.ttf
www/fonts/OpenSans-ExtraBoldItalic.ttf
www/fonts/OpenSans-Semibold.ttf
www/plugin
www/plugin/jquery
www/plugin/bootstrap
www/plugin/select2
www/.htaccess
www/css
www/css/style.main.css
www/css/layout.main.css
www/js
www/js/signin.js
www/js/application.js
www/img
www/img/logo.png
www/img/transparent.png
www/img/logo_only_small.png
www/img/favicon.gif
www/img/logo_small.png
[ente@pond1 webshop]$
```

# Features

- Security - typed superglobals

```
* Abstract class for MVC controllers.
*/
class MainController extends Controller {

    public function __construct() {
        parent::__construct();

        // save variables
        $this->vars->saveGlobal('categoryId', SaveVars::T_NUMERIC, SaveVars::G_GET, function(){
            return NULL;
        }, true);
        $this->vars->saveGlobal('search', SaveVars::T_STRING, SaveVars::G_GET, function(){
            return NULL;
        }, true);
        $this->vars->saveGlobal('loadCredits', SaveVars::T_NUMERIC, SaveVars::G_POST, function(){
            return 0;
        });
    }

    protected function main($searchAction = 'products/show'){
        // set global data for view
        $data['title'] = $this->lang->title;
```

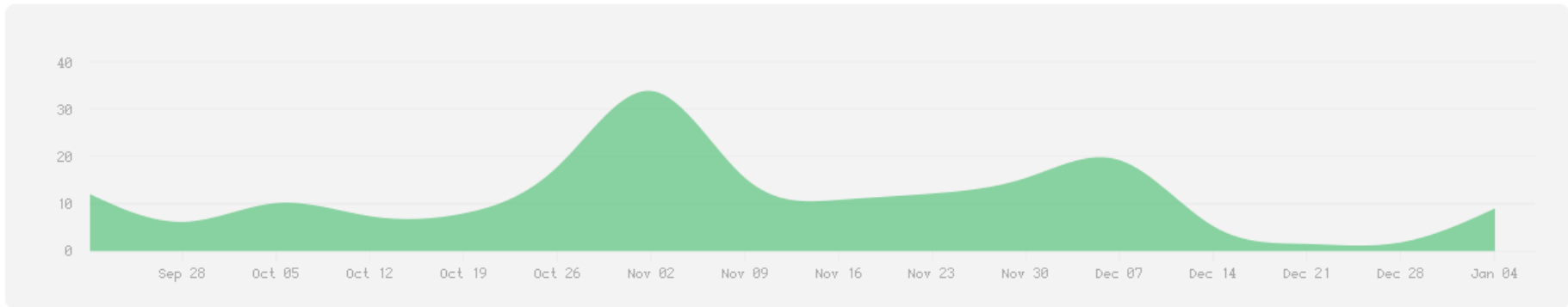
# Team distribution

- Overall

Sep 21, 2014 – Jan 7, 2015

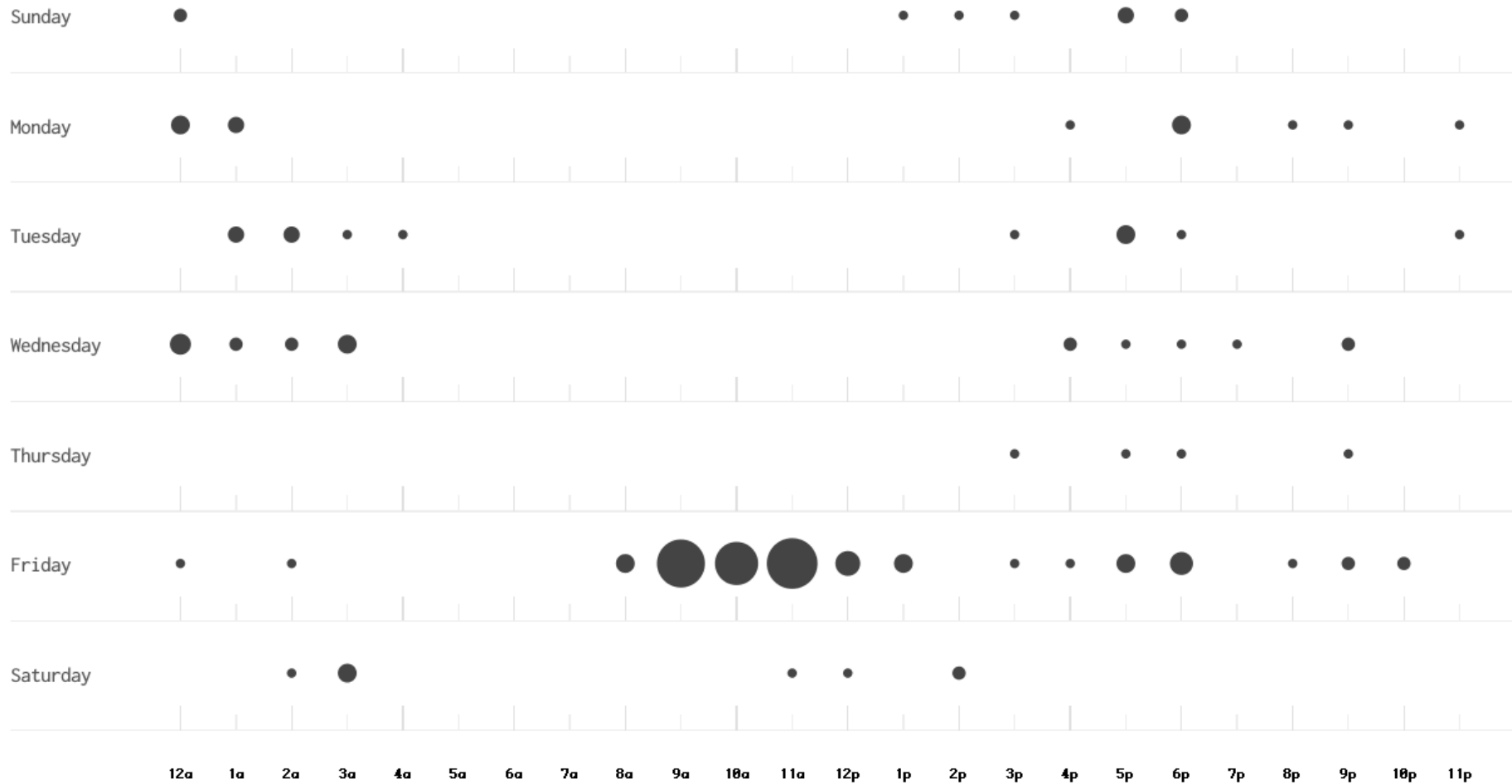
Contributions: **Commits** ▼

Contributions to master, excluding merge commits



# Team distribution

- Punch card



# Team distribution

- Mathias
  - MVC
  - Layout
  - File upload
  - i18n



# Team distribution

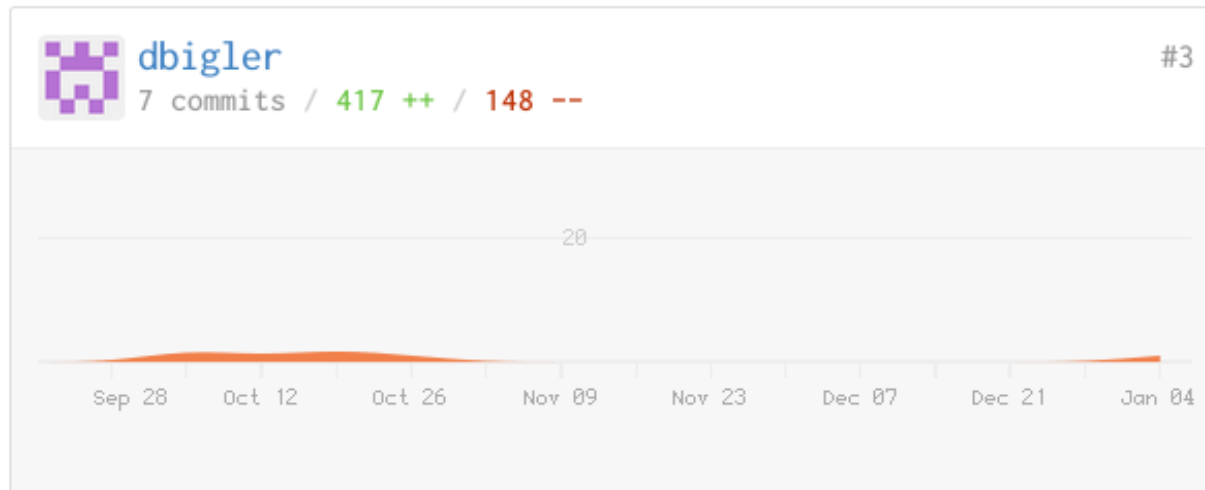
- Mischa
  - Composer
  - SaveVars
  - JsonController
  - Google login





# Team distribution

- Dominik
  - Favicon
  - Installation manual
  - Testing



# Lessons learned

- ERD @ the beginning was awesome
- Autoloaders are dangerous
- Tags made stuff a bit complicated
- External login was a good idea
- Php templating works quite well
- When changing something make sure that other things don't break -> Unit tests would help
- Bootstrap is hilarious!
- Php oop fails

# Demonstration / Screencast

- <http://codeshop.ch>

# Q & A

- ?