

Interchange 6 - Open Source Shop Machine

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16. Deutscher Perl-Workshop, Hannover, 28. März 2013

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Übersicht

Interchange6 Stack

Status Quo

DBIx::Class

Payment

- Payment Module

- Ablauf

Dancer Plugin

- Keywords

- Routes

- Configuration

- Hooks

Demo & Administration

Eine Auswahl von Online-Shopsysteme, die in Deutschland häufig eingesetzt werden. Alle sind in PHP programmiert. Magento wurde von eBay aufgekauft und hat eine komplizierte Datenbankstruktur.

Shopsoftware

- ▶ Magento
- ▶ Shopware
- ▶ Oxid

PHP Cauldron



Standard Stack

- ▶ DBIx::Class
- ▶ Moo
- ▶ Dancer
- ▶ Template::Flute
- ▶ Solr

Custom Stack

- ▶ DBIx::Class
- ▶ Moo
- ▶ ~~Dancer~~ Web::Simple
- ▶ ~~Template::Flute~~ Template Toolkit
- ▶ ~~Self~~ Elastic Search

Status Quo

- ▶ Interchange6::Schema (Businesslogik)
- ▶ Dancer::Plugin::Interchange6

Interchange6::Schema

- ▶ Produkte, Attribute, Preise, Bestand
- ▶ Benutzer, Adressen
- ▶ Warenkorb, Sitzungen
- ▶ Bestellungen, Zahlungen
- ▶ Steuern, Versand (*in Arbeit*)

Payment Module

- ▶ Business::OnlinePayment
- ▶ unterstützt viele Anbieter
- ▶ nicht sehr modern
- ▶ 3D secure, Redirect

Alternativen

- ▶ AnyMerchant

`https://metacpan.org/pod/AnyMerchant`

- ▶ keine Entwicklung

Payment Module

- ▶ Business::OnlinePayment::IPayment (1&1)
Silent CGI
- ▶ Business::OnlinePayment::FirstData
Connect (*in Arbeit*)

PaymentOrder erzeugen

```
$payment_order = $schema->resultset( 'PaymentOrder' )  
->create( \%payment_data );
```

Zahlung erfolgreich

- ▶ Status und Transaktionscode aktualisieren

```
$payment_order->update({  
    status => 'success',  
    auth_code => $bop_object->authorization ,  
});
```

- ▶ Bestellung abschließen
- ▶ Email(s) versenden

Zahlung fehlgeschlagen

- ▶ Status aktualisieren

```
$payment_order->update({  
    status => 'failure',  
});
```

Dancer::Plugin::Interchange6

- ▶ Keywords
- ▶ Routes
- ▶ Configuration
- ▶ Hooks

Keywords

- ▶ shop_schema
- ▶ shop_product, shop_address, ...
 `$product = shop_product('F0001');`
- ▶ shop_cart
- ▶ shop_charge
- ▶ shop_setup_routes

Routes

- ▶ Produkt
- ▶ Navigation
- ▶ Warenkorb
- ▶ Checkout
- ▶ Konto

Produkt

- ▶ Produkt "Dancer und DBIx::Class"
- ▶ sku 978-0815-0815
- ▶ uri Dancer-DBIx-Class

Navigation

- ▶ **Kategorien**

`http://www.cart.pm/Programming/Perl/Dancer`

- ▶ **Produktfilter**

`http://www.cart.pm/Programming/Perl/Dancer/
Author/racke/Sort/price`

Fallback Routes

```
any qr{.*} => sub {  
  # check for matching product  
  ...  
  
  # check for matching navigation  
  ...  
  
  # display not_found page  
  status 'not_found';  
  forward 404;  
};
```

Routes Configuration

Interchange6 :: Routes:

cart:

template: checkout-giftinfo

uri: warenkorb

navigation:

template: listing

records: 20

Hooks

```
hook 'before_navigation_display' => sub {  
  my $nav_tokens = shift;  
  
  # load list of brands  
  my $brands = shop_navigation->search(  
    {type => 'manufacturer',  
     active => 1});  
  
  $nav_tokens->{brands} = [$brands->all];  
};
```

Demo Shop

- ▶ **Wireframes** <https://github.com/interchange/Interchange6-Demo-Shop>
- ▶ **HTML** (*in Arbeit*)
- ▶ **Flowers hacking shop**
<https://github.com/interchange/Flowers>

Administration

- ▶ ERP
- ▶ API
 - ▶ OpenERP
 - ▶ Magento kompatibel

- ▶ TableEditor

<https://github.com/interchange/TableEditor>

Mitarbeit

- ▶ kleines Entwicklerteam
- ▶ Github
- ▶ IRC
 - ▶ #interchange freenode
 - ▶ #dancer

Infos

Slides: <http://www.linuxia.de/talks/pws2014/interchange6-de-beamer.pdf>