Intro Catalyst et environnement Version 0.01a

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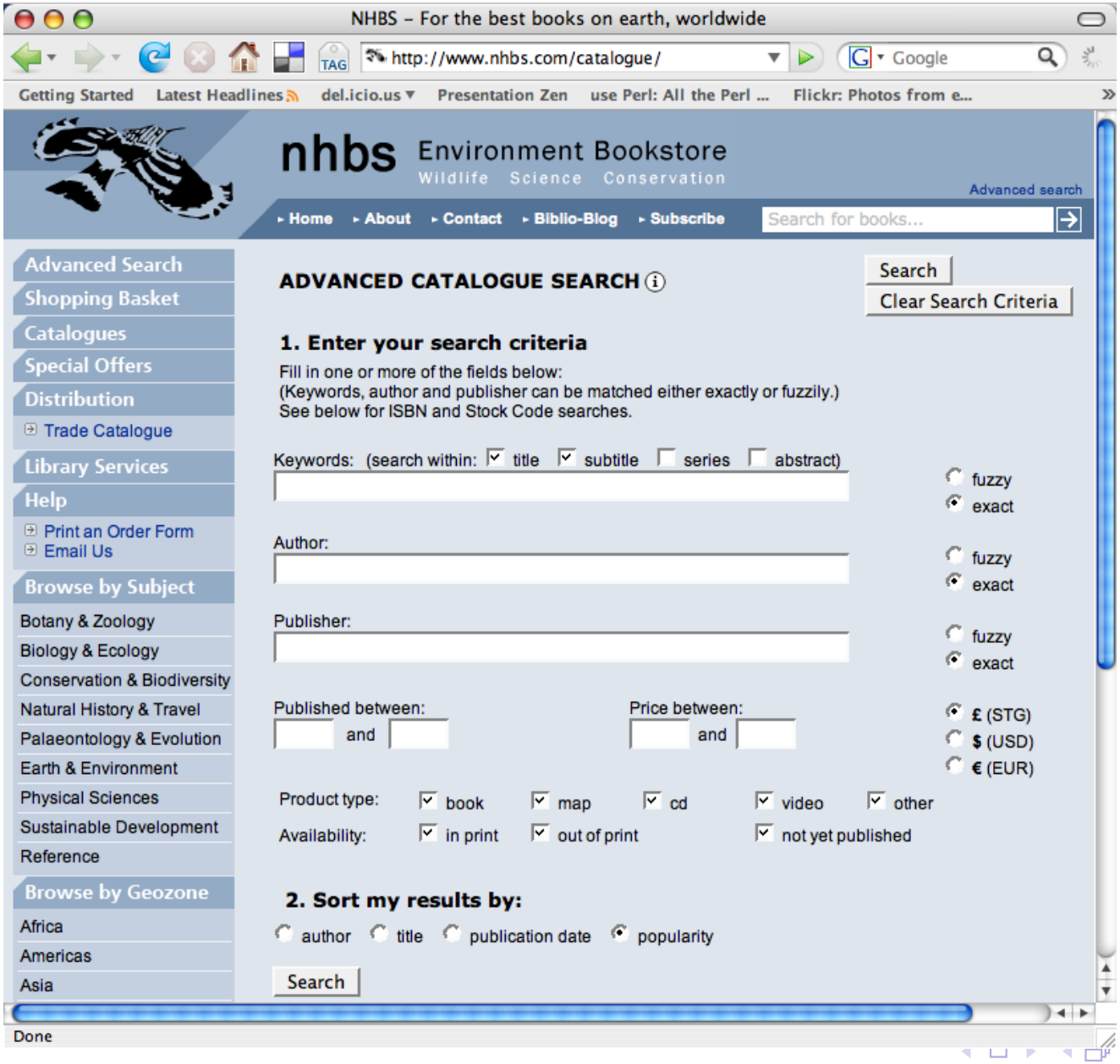
23.11.2006

De quoi s'agit-il ?

D'après le site http://www.catalystframework.org/

The elegant MVC framework
Catalyst will make web development something you had never expected it to be: Fun, rewarding and quick.

et en clair ?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CGI, j'en ai fait :-(

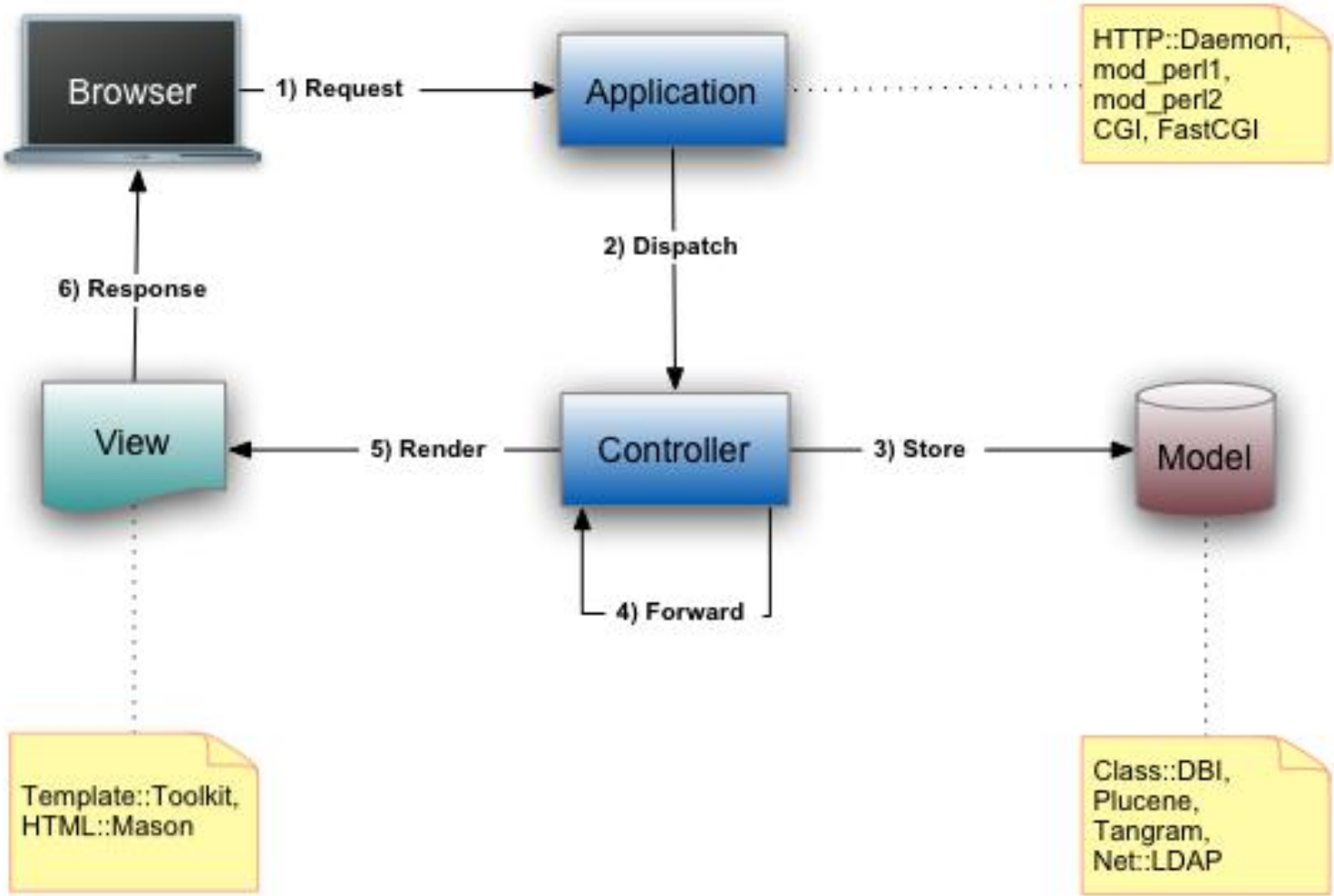
- structure et redondance dans le code
- accès aux bases de données compliqués
- gestion de l'état de la session
- gestion des variables

et Catalyst ?

Catalyst est un Model View Controller framework
Catalyst c'est la partie 'Controller'

- Catalyst gère la boucle des events
- Catalyst dissocie l'application modulairement
- Catalyst gère la session (plugin) et les variables (stash)

Catalyst: Le flow



Catalyst est plus qu'un framework !

C'est aussi :

- un serveur http
- des scripts d'installation et de génération de code
- un super tutoriel !
- un tas de plugins

l'installation

- cpan install Catalyst::Devel
- OK ça tourne, et maintenant ?

Autour du Controller

- Application : Apache + mod_perl
- Model : accès à une base de données - DBIx::Class + mysql
- View : Rendu HTML - Template::Toolkit + jQuery
- FormValidator, Formbuilder - xforms ?

Génération de l'application

```
$ catalyst.pl beasoftweb
$ cd beasoftweb
$ script/beasoftweb_server.pl
$ open http://localhost:3000/
```

l'Arborescence générée

- root (config+view)
- lib (controller+model)
- script (helper scripts)
- t (test)

Catalyst est plus qu'un Controller

- script/beasoftweb_create.pl model beasoftwebDB DBIC::Schema beasoftwebDB dbi:mysql:beasoftweb.db ' ' ' ' '{ AutoCommit => 1 }'
- script/beasoftweb_create.pl controller Artikels
- script/beasoftweb_create.pl view TT TTSite

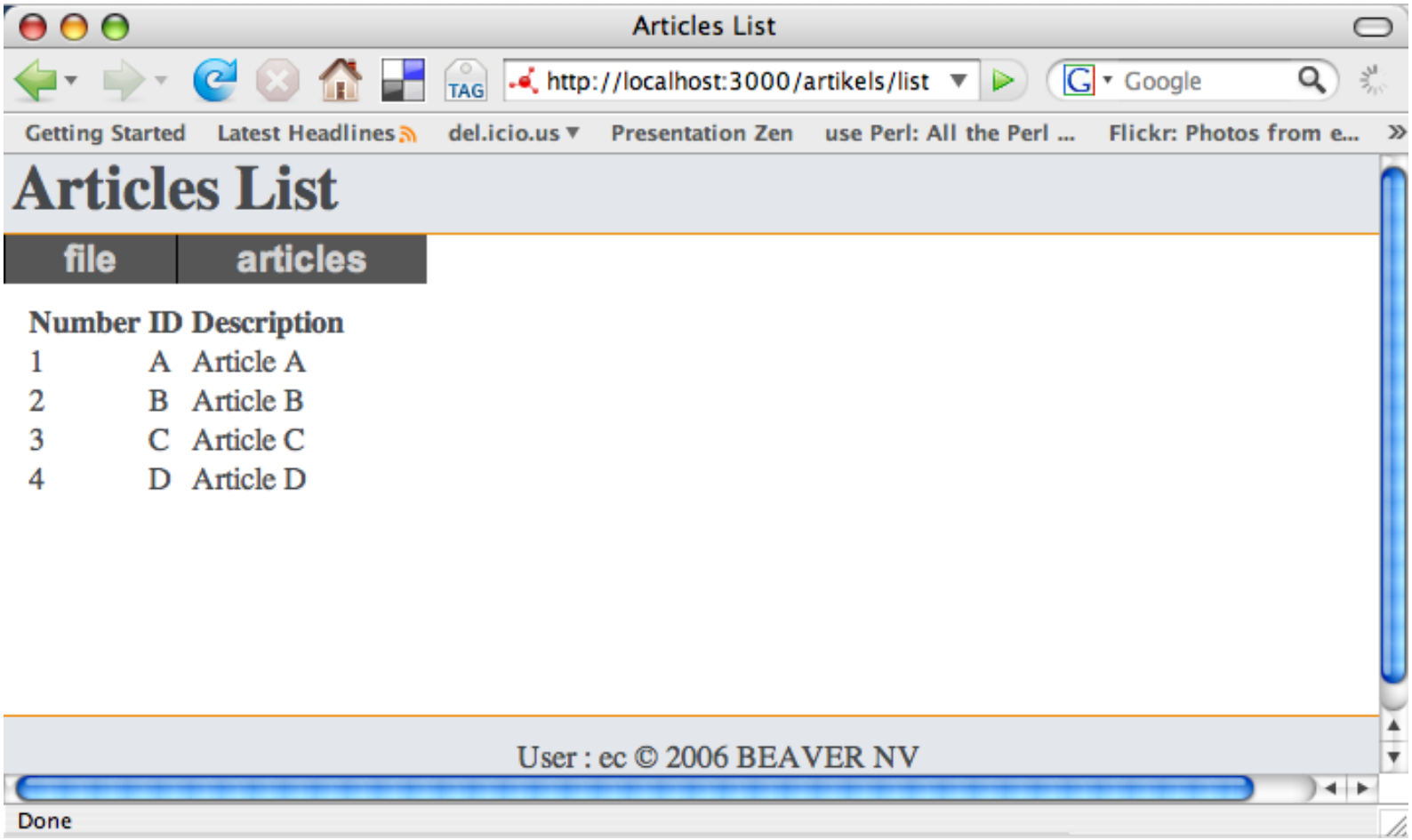
demo

! DEMO !

liste des articles

```
sub list : Local {
  my ($self, $c) = @_;
  $c->stash->{Artikels} = [$c->model('beasoftwebDB::Artikels')->all];
  $c->stash->{template} = 'artikels/list.tt2';
}
```

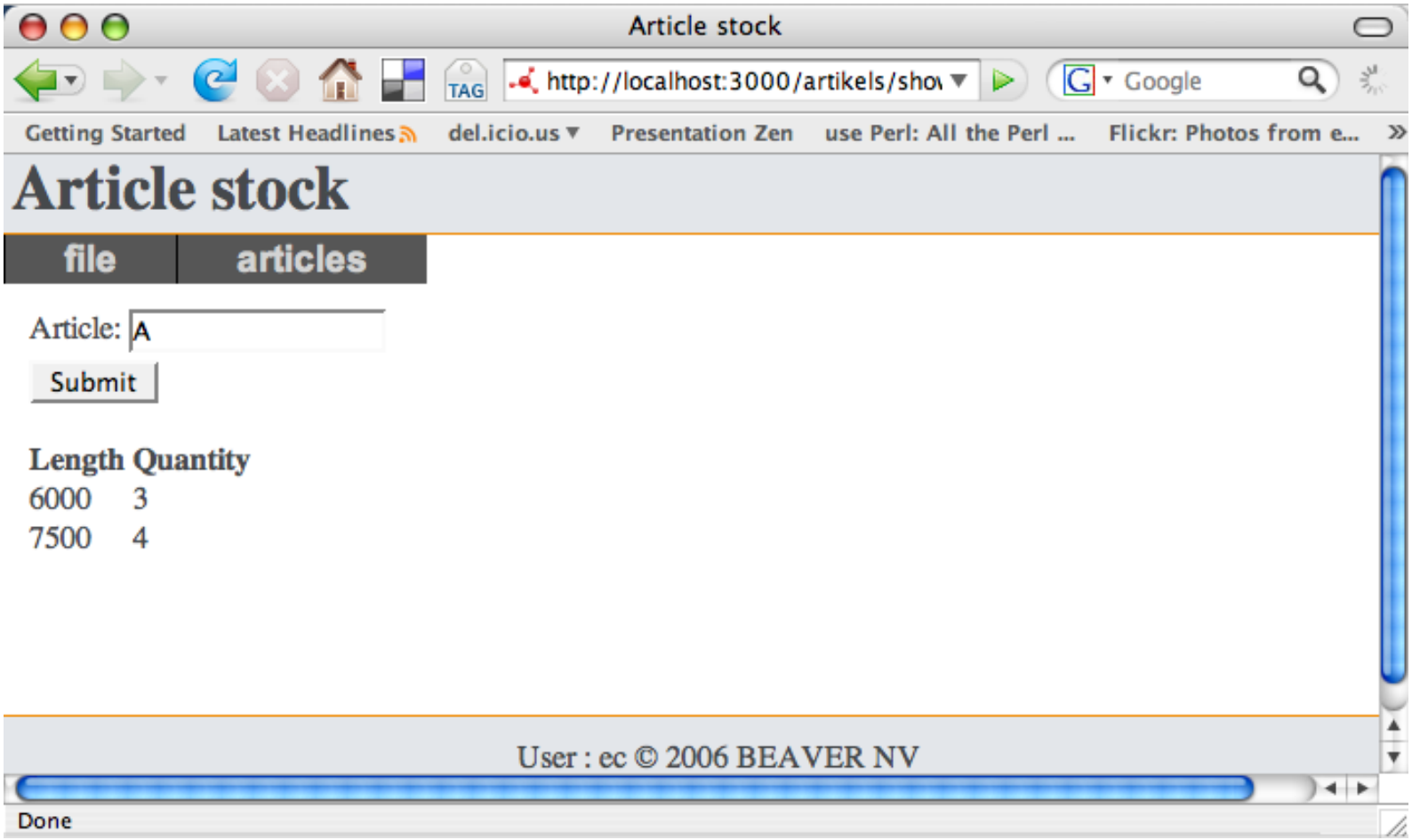
liste des articles - résultat



liste des articles en stock

```
sub showStock : Local {
  my ($self, $c) = @_;
  if ($c->check_user_roles('user')) {
    my $article = $c->request->params->{article}||"";
    if ($article) {
      my $artnr = $c->model('beasoftwebDB::Artikels')
                    ->search({'art_id'=>$article})->first()->nummer();
      $c->stash->{Stockarts} = [$c->model('beasoftwebDB::Stockarts')
                                  ->search({'artikelnummer'=>$artnr})->all()];
    };
    $c->stash->{article} = $article ;
    $c->stash->{template} = 'artikels/showStock.tt2';
  } else {
    $c->stash->{message} = "You don't have access to list the Stock content" ;
    $c->stash->{template} = 'message.tt2';
  }
};
```

liste des articles en stock - résultat



liste des articles en stock avec Data::Page

```
sub showStockWithPager : Local {
  my ($self, $c) = @_;
  if ($c->check_user_roles('user')) {
    my $article = $c->request->params->{article}||"";
    my $curpage = $c->request->params->{curpage}||1;
    if ($article) {
      my $artnr = $c->model('beasoftwebDB::Artikels')
                    ->search({'art_id'=>$article})->first()->nummer();
      my $rs = $c->model('beasoftwebDB::Stockarts')
                  ->search({'artikelnummer'=>$artnr},
                           {page=>$curpage,rows=>2});
      $c->stash->{rs}=$rs;
    };
    $c->stash->{article} = $article ;
    $c->stash->{template} = 'artikels/showStockWithPager.tt2';
  } else {
    $c->stash->{message} = "You don't have access to list the Stock content" ;
    $c->stash->{template} = 'message.tt2';
  }
};
```

Conclusion

Les tutoriels sont excellents !
Le framework est excellent !
Lancez-vous !

fin

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