



**LUNATECH**  
RESEARCH

**Whose interface is it anyway?**

# Who are you looking at?

- Egor Kloos
- aka @dutchcelt ( <http://dutchcelt.nl/> )
- 1997 - Web design & Front-end



**LUNATECH**  
RESEARCH





**tiscali BUSINESS BOOSTERS**

**TISCALI BUSINESS BOOSTERS**  
**TOT 50% KORTING OP ZAKELIJK ADSL**  
 aanbiedingen geldig t/m 31 januari 2007

**ADSL allround 2+**

- Supersnel zakelijk ADSL tot 20mb/s
- Gratis router t.w.v. € 109,-
- Geen aansluitkosten t.w.v. € 99,-

€ 119,95 voor  
**€ 59,- p/mnd**

[meer informatie of direct bestellen >>](#)

**Domeinnaam controleren**

www.  .nl [controleren >>](#)

**SAMEN WERKEN OP INTERNET**

**Inloggen klanten**

Selecteer een dienst

Webmail

Gebruikersnaam

Wachtwoord

[inloggen >>](#)

**Zakelijk ADSL beschikbaar?**

Controleer hier de beschikbaarheid van zakelijk ADSL op uw adres.

[controleren >>](#)

**Aanvullende diensten**

Ondersteuning nodig bij netwerkbeheer, beveiliging of de bouw van uw website? Vind een Tiscali Business Partner in de buurt.

[selecteren >>](#)

**Producten**

- [ADSL](#)
- [Ondernemerspakket](#)
- [Webhosting](#)
- [SDSL](#)
- [Pinnen over ADSL](#)

**Business Partner worden?**

Bent u een ICT-gerelateerde dienstverlener met zakelijke klanten en actief in het MKB? Wordt dan Tiscali Business Partner en profiteer van de voordelen voor u en uw klanten. [Lees alles over het Tiscali Business Partnerprogramma](#)

**Klantenservice**

Handleidingen, formulieren, vraag en antwoord, contactgegevens en klanten log-in. [Hier vindt u alle informatie.](#)

**Advies en hulp bij bestellen**

Heeft u vragen of wilt u een persoonlijk advies? Wij helpen u graag.

Telefoon: 030 214 9800  
 E-mail: [sales@tiscali.nl](mailto:sales@tiscali.nl)

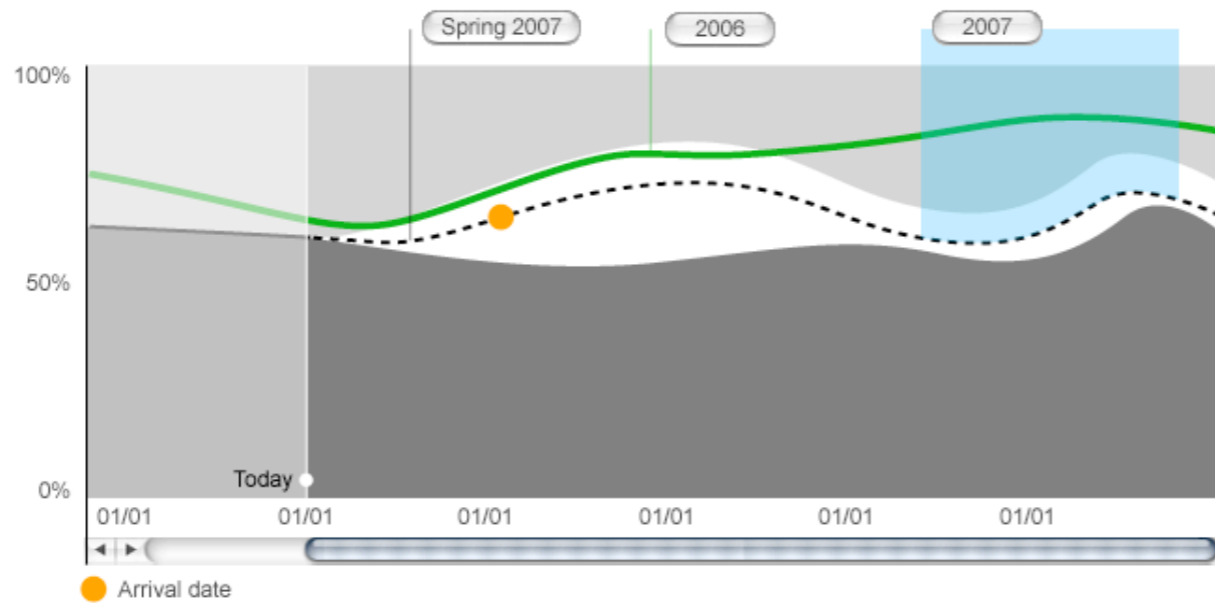
## Sleepers forecast

Type  Today

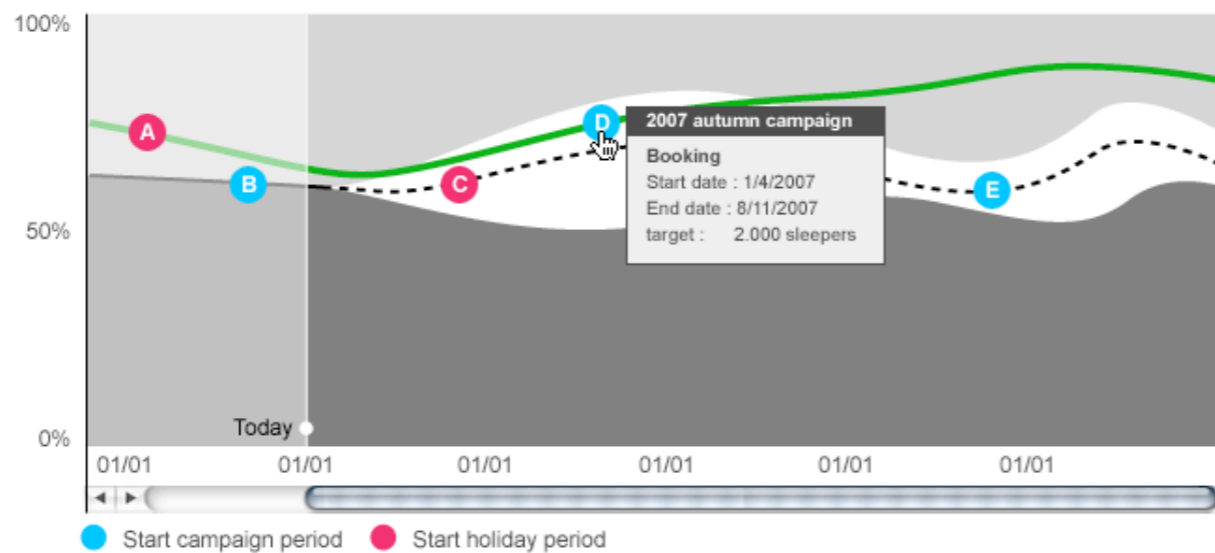
selection zoom display setup more options +

Village    
 Origin    
 All   
 VIP 2 Persons (+)   
 CT4 4 Persons (-)   
 CPT12 12 Persons (-)

1. Select Arrival:  Date   Week 32  Period P4 more options +



2. Explore **booking** pattern for arrival date 25/4/2007 more options +



## Special events

- ▶ Past 2006 autumn campaign  
starts 10/4/07  
and end 10/5/07n
- ▶ Upcoming 2007 autumn campaign  
Arrival  
Starts date: 1/9/2007  
End date: 8/11/2007  
Booking  
Start date: 1/4/2007  
End date: 8/11/2007  
target: 2.000 sleepers  
Impact: %
- ▶ Start of 2007 spring holiday  
.....  
.....



stamboomnederland.nl



centraal bureau voor genealogie

[stambomen](#)
[bronnen](#)
[werkgroepen](#)

## Start hier met uw stamboom

Voornaam

Achternaam

 Man
  Vrouw

START

UPLOAD GEDCOM



## Bibliotheek

vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet.



## Werkgroepen

vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet.



## Zoeken

vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet.



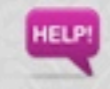
## Communicatie

vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet.



## Labels

vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet.

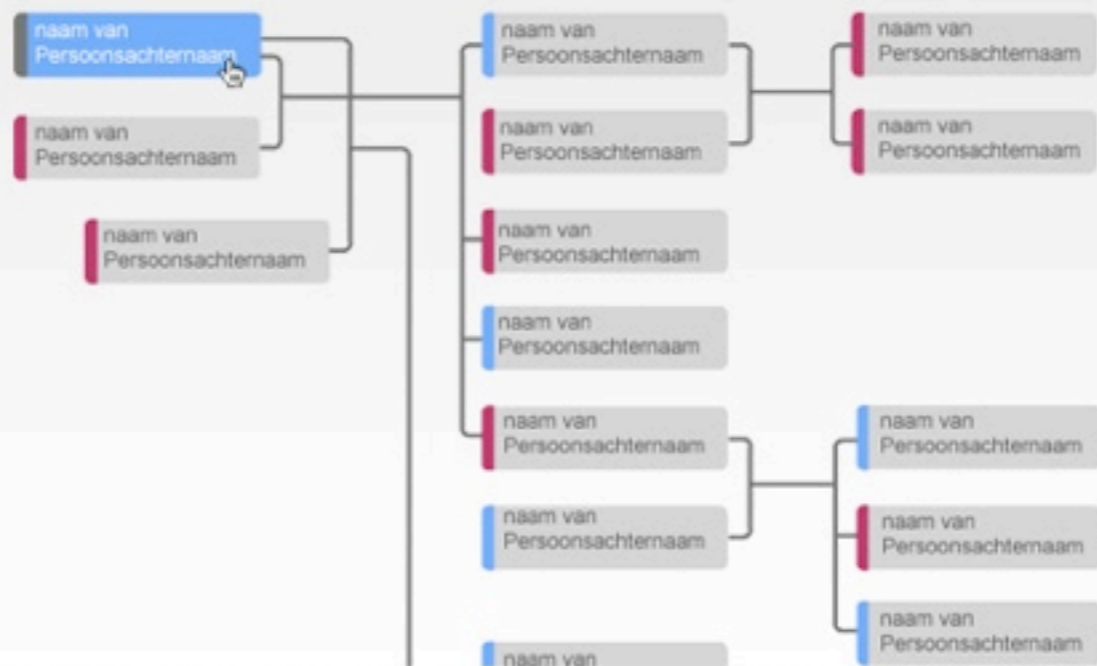


## Help

vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet.

## Iedereen kan stambomen maken

Nullam leo nisl, vehicula quis dapibus ac, suscipit in erat. Nulla dignissim dapibus aliquet. Aliquam erat volutpat. Fusce blandit, erat eu aliquam lacinia, risus diam interdum orci, in commodo enim arcu in ipsum. Sed sed imperdiet magna. Nam eget lectus et arcu ullamcorper malesuada. In hac habitasse platea dictumst. Proin vel leo leo, in facilisis metus. Nullam quis orci vitae dui elementum scelerisque. Mauris adipiscing mattis augue, eu euismod tortor rhoncus eget. Nulla







FOOD &amp; GIFTS

FOODELICIOUS.....

● HOME ● OLIE &amp; AZIJN ● DELICATESSEN ● KEUKEN ● CADEAUS ● RECEPTEN



DELICATESSEN



aptent taciti



## Lorum ipsum dolor

Curabitur ornare, tortor vel tincidunt condimentum, sem erat tempor nunc, sit amet feugiat est est vitae nunc. Class **aptent taciti sociosqu** ad litora torquent per conubia nostra, per inceptos himenaeos.

Maecenas ac libero at justo convallis placerat id sit amet odio. Ut at **metus nec augue** gravida imperdiet. Quisque dignissim accumsan sollicitudin sit amet feugiat est est vitae taciti sociosqu ad litora torquent per conubia nunc.

WEBSHOP  
KEURMERK 

## Recepten



Lorum ipsum dolor  
Curabitur ornare, tortor vel tincidunt condimentum, sem erat tempor



Lorum ipsum dolor  
Curabitur ornare, tortor vel tincidunt condimentum, sem erat tempor



Lorum ipsum dolor  
Curabitur ornare, tortor vel tincidunt condimentum, sem erat tempor

[Meer recepten...](#)

### Nieuwsbrief

Wilt u op de hoogte blijven van eventuele proeverijen, aanbiedingen en nieuwe recepten? Meldt u dan hier aan voor onze nieuwsbrief.

[aanmelden](#)[OOK VOOR GROOTHANDEL](#) 

### Lorum ipsum dolor inceptos

Curabitur ornare, tortor vel tincidunt condimentum, sem erat tempor nunc, sit amet feugiat est est vitae nunc. Class **aptent taciti sociosqu** ad .

[meer](#) 

### Lorum ipsum dolor inceptos

Curabitur ornare, tortor vel tincidunt condimentum, sem erat tempor nunc, sit amet feugiat est est vitae nunc. Class **aptent taciti sociosqu** ad .

[meer](#)

# Whose interface is it anyway?



**LUNATECH**  
RESEARCH



# Whose interface is it anyway?

- **Industry**
- **Software**
- **Web**
- **Reality check**
- **Looking ahead**
- **Questions**



**LUNATECH**  
RESEARCH

# Industry

- **IT Software**
- **Enterprise (IT Dept)**
- **Media / Web agencies**
- **IT consultancy**
- **Freelancers**



**LUNATECH**  
RESEARCH

# Software

- **Coding platforms**
  - .NET - Java - Cocoa - Perl - PHP
  - SAP - Oracle
  
- **Content platforms**
  - CMS, CRM, Cloud based services (Salesforce)





# Web frameworks

- ASP
- JSF
- Codeigniter (php)
- Rails (ruby)



**LUNATECH**  
RESEARCH

# JavaServer Faces

- **JavaServer Faces (JSF)**
- **Richfaces** (*JBOSS*)
- **IceFaces**



**LUNATECH**  
RESEARCH

# Yes, JSF sucks

- Apache to the rescue (sort of)
  - Struts
  - Wicket
  - Tapestry

# Struts



apache  
**tapestry 5**  
*Code less, deliver more.*



**LUNATECH**  
RESEARCH



# Java + Web

Legacy versus Innovation



**LUNATECH**  
RESEARCH



# JVM to the rescue

- Clojure
- Groovy
- Scala



**LUNATECH**  
RESEARCH



# Still no web



**LUNATECH**  
RESEARCH

# Modern Java web frameworks

- Spring Roo
- Grails



**LUNATECH**  
RESEARCH

*Play!* 



**LUNATECH**  
RESEARCH

# Web Stack

- HTML
- CSS
- JavaScript



**LUNATECH**  
RESEARCH



# JavaScript

- jQuery
- Dojo toolkit
- Sencha



**LUNATECH**  
RESEARCH

# Preprocessing

- LESS
- Sass



**LUNATECH**  
RESEARCH

# Enterprise needs the web

## Now what?



**LUNATECH**  
RESEARCH

OO CSS



**LUNATECH**  
RESEARCH



# OO CSS

- **Separate structure and skin**
- **Separate container and content**



**LUNATECH**  
RESEARCH

```
.box { padding: 12px 24px 14px; }  
.warning { color: white; background-color: crimson; }
```

```
<section class="box warning">  
  <div class="icePnlTbSet componentTabSetContainer" id="iceform:icepnltabset">  
    An unholy mess...  
  </div>  
</section>
```



**LUNATECH**  
RESEARCH

# Be agnostic



**LUNATECH**  
RESEARCH

# Being agnostic

- **Classname conventions**
  - **Containers -> descriptive**
  - **Content -> Semantic**
  - **Use classes that reference HTML5**



**LUNATECH**  
RESEARCH



# Being agnostic

- **Classname conventions**
  - **Containers -> descriptive**
  - **Content -> Semantic**
  - **Use classes that reference HTML5**
- **Avoid using separate files for IE**



# Being agnostic

- **Classname conventions**
  - **Containers -> descriptive**
  - **Content -> Semantic**
  - **Use classes that reference HTML5**
- **Avoid using separate files for IE**
- **Baseline your browser level**



# Being agnostic

- **Classname conventions**
  - **Containers -> descriptive**
  - **Content -> Semantic**
  - **Use classes that reference HTML5**
- **Avoid using separate files for IE**
- **Baseline your browser level**
- **Timebox escalation**



# ID's will kill you

```
<div id="theMostImportantIdentifierInTheWholeWorld">Hello world</div>
```



**LUNATECH**  
RESEARCH

# Web frameworks control the Web Stack



**LUNATECH**  
RESEARCH

# Classnames will kill you too

```
<div class="very important box because more is better syndrome">I can haz CSS?</div>
```



**LUNATECH**  
RESEARCH

```
<div class="very">
  <div class="important">
    <div class="box">
      <div class="because">
        <div class="more">
          <div class="is">
            <div class="better">
              <div class="syndrome">Unemployed Lolcats!</div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```



**LUNATECH**  
RESEARCH



```
.box { padding: 12px 24px 14px; }  
.warning { color: white; background-color: crimson; }
```



**LUNATECH**  
RESEARCH

```
<section class="box warning">  
  <div class="icePnlTbSet componentTabSetContainer" id="iceform:icepnltabset">  
    An unholy mess...  
  </div>  
</section>
```



**LUNATECH**  
RESEARCH

- **Don't alter frameworks**
- **Don't override framework CSS**
- **Stab any back-end developer writing CSS like a monkey**



**LUNATECH**  
RESEARCH

# Cascade-o-phobia

- Isolating objects causes duplication
- Duplication creates maintenance (read: errors)
- Limit your scope (specificity)
  
- Embrace multiple strategies



# CSS strategy



**LUNATECH**  
RESEARCH

# CSS strategy

- No ID's minimise Classnames (HTML5 helps)



**LUNATECH**  
RESEARCH

## CSS strategy

- No ID's minimise Classnames (HTML5 helps)
- Create extending classes (also for overriding)





## CSS strategy

- **No ID's minimise Classnames (HTML5 helps)**
- **Create extending classes (also for overriding)**
- **Create a HTML structure to allow for multiple classes**



# CSS strategy

- No ID's minimise Classnames (HTML5 helps)
- Create extending classes (also for overriding)
- Create a HTML structure to allow for multiple classes
- Preprocess your CSS
  - Variables
  - mixins
  - Avoid nesting (*extending is better*)
  - No scripting (*Don't run client side*)



# Mixins (LESS)

- Great for suffixed property values like gradients

```
.gradient(@start,@stop) {  
    background-image:-moz-linear-gradient(top, @start 0%, @stop 100%);  
    background-image:linear-gradient(top, @start 0%, @stop 100%);  
}  
.panel {  
    .gradient(#333,#ccc);  
}
```



**LUNATECH**  
RESEARCH

# Mixins (LESS)

- **Extend your classes without touching the HTML**

```
.box {  
    padding: 12px 24px 14px;  
}
```



**LUNATECH**  
RESEARCH

# Mixins (LESS)

- **Extend your classes without touching the HTML**



```
.box {  
    padding: 12px 24px 14px;  
}  
.warning {  
    .box;  
    color: white;  
    background-color: blue;  
}
```



**LUNATECH**  
RESEARCH

# Mixins (LESS)

- **Extend your classes without touching the HTML**



```
.box {  
  padding: 12px 24px 14px;  
}  
.warning {  
  .box;  
  color: white;  
  background-color: blue;  
}  
.fail {  
  .warning;  
  background-color: crimson;  
}
```



```
.fail {  
  padding: 12px 24px 14px;  
  color: white;  
  background-color: crimson;  
}
```



**LUNATECH**  
RESEARCH

# Versioning

- **Git**
- **Subversion**



**LUNATECH**  
RESEARCH



# Merge conflicts

- Conflicts occur on a whole line
- Put properties on a new line

```
.warning { color: white; background-color: crimson; }
```

```
.warning {  
    color: white;  
    background-color: crimson;  
}
```



**LUNATECH**  
RESEARCH

# *Front-end Patterns*

<http://www1.lunatech.com/~egor/fep/>



**LUNATECH**  
RESEARCH

# Questions



**LUNATECH**  
RESEARCH