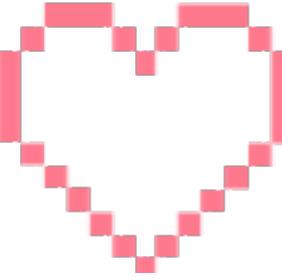
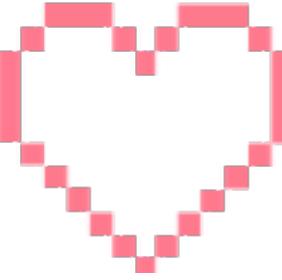


**DEV :HEART: DES**

**DEV ❤ DES**

**DEV**  **DES**

**DEV**  **DES**

# PROGRESSIVE ENHANCEMENT

13:00 - Intro

13:30 - Exercise #1

14:00 - Present

14:30 - Exercise #2

15:00 - Present

15:30 - Recap

16:00 - Drinks

# PROGRESSIVE ENHANCEMENT

UNITiD\*



DE VOORHOEDE  
front-end developers

# ESCALATORS BECOME STAIRS X



[christianheilmann.com/2012/02/16/stumbling-on-the-escalator/](http://christianheilmann.com/2012/02/16/stumbling-on-the-escalator/)

# WALKWAY ACCELERATES ✓



[christianheilmann.com/2012/02/16/stumbling-on-the-escalator/](http://christianheilmann.com/2012/02/16/stumbling-on-the-escalator/)

HEELYS ✓✓✓



[twitter.com/ndorfin/status/834143436122923008](https://twitter.com/ndorfin/status/834143436122923008)

# CHANGING LANES



# ENJOYABLE EXPERIENCE



*image: [www.viator.com](http://www.viator.com)*

# FOR EVERYONE

**Touch**

| Permanent   | Temporary   | Situational   |
|---|---|---|
|  |  |  |

|   |   |   |
|---|---|---|
|  |  |  |
| Blind   | Cataract  | Distracted driver   |

**Hear**

| Permanent   | Temporary   | Situational   |
|---|---|---|
|  |  |  |

**Speak**

|   |   |   |
|---|---|---|
|  |  |  |
| Non-verbal  | Laryngitis  | Heavy accent  |

# BROWSERS



# ALL BROWSERS

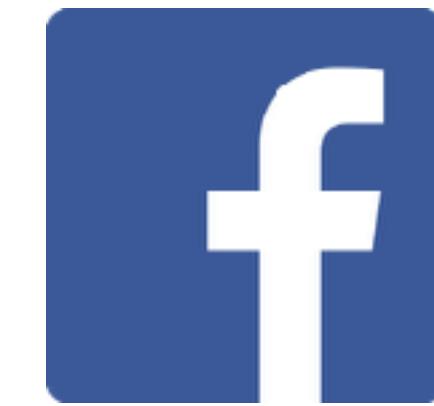
modern



oldies



in-app



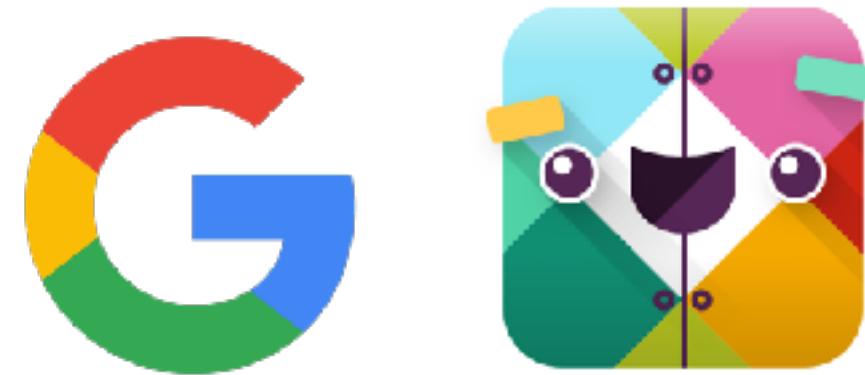
proxy



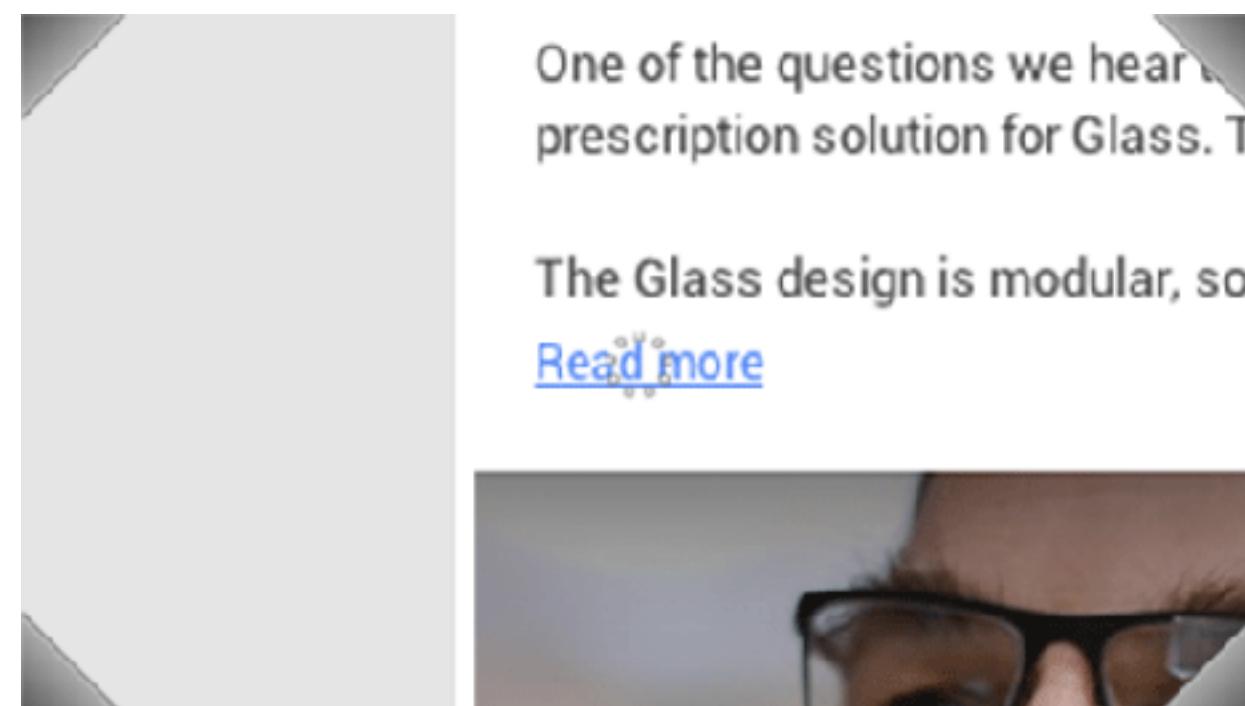
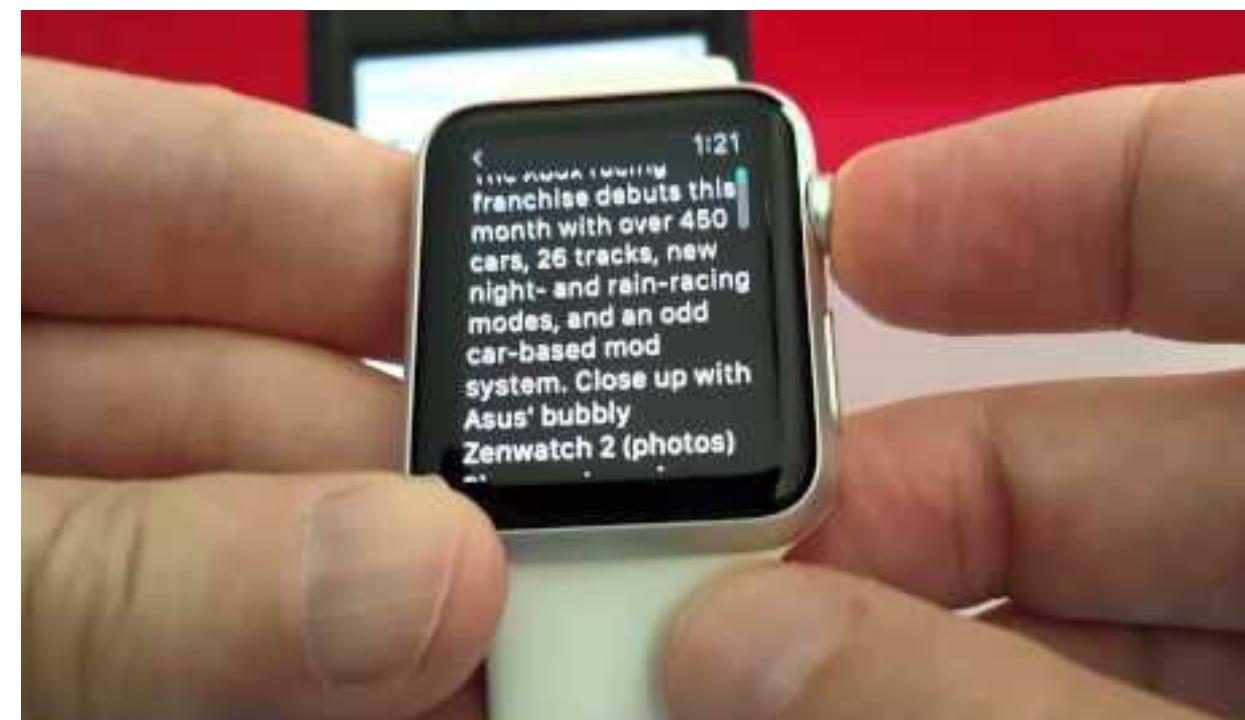
text only



robots



# MORE BROWSERS



# LAYERED EXPERIENCES

- **Baseline**: "The minimum required technology to allow a user to accomplish the core task." — Jeremy Keith
- **Acceptable**: The experience is more efficient than the baseline, though it could be more enjoyable.
- **Enjoyable**: Puts a smile on a user's face. The experience is above expectation.

# PROGRESSIVE ENHANCEMENT DESIGN

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front-end developers

## **Progressive enhancement focuses on the content**

"Content is the reason we create websites to begin with.  
Some sites disseminate it, some collect it, some request it,  
some manipulate it, and some even do all of the above, but  
they all require it." – Aaron Gustafson

ABN AMRO Bank N.V. www.abnamro.nl/portalserver/nl/prive/index.html?I

ABN AMRO

Prive Zakelijk Private banking

Home Betalen Sparen Pensioen Beleggen Lenen Hypotheken Verzekeren Internet en Mobiel Service en Contact

NL | EN

Over ABN AMRO Werken bij ABN AMRO Veiligheid Duurzaamheid Toegankelijkheid Privacy en cookies Disclaimer © 2017 ABN AMRO

ABN AMRO Bank N.V. www.abnamro.nl/portalserver/nl/prive/index.html?I

Prive Zakelijk Private banking

Pensioen Beleggen Lenen Hypotheken Verzekerken Internet en Mobiel Service en Contact

NL | EN

Ghostery found 3 trackers  
www.abnamro.nl

Adobe Test & Target Beacons

DoubleClick Spotlight Beacons, Tag Manager, Analytics

Omniture (Adobe Analytics) Beacons

Pause Blocking Whitelist Site ?

Over ABN AMRO | Werken bij ABN AMRO | Veiligheid | Duurzaamheid | Toegankelijkheid | Privacy en cookies | Disclaimer © 2017 ABN AMRO

ABN AMRO Bank NV. www.abnamro.nl/portalserver/nl/prive/index.html?I

Prive Zakelijk Private banking Zoek naar NL | EN

Pensioen Beleggen Lenen Hypotheken Verzekeren Internet en Mobiel Service en Contact

met identificatiecode naar overzicht

Rekeningnummer  
602860008

Pasnummer  
631

Onthoud mijn rekening en pasnummer op dit apparaat.

Uw identificatiecode i

Uw inloggegevens vergeten?

identificatiecode aanmaken log in

Betalen met uw smartphone

Download de Wallet op uw Android-toestel



U heeft uw smartphone vaker bij de hand dan uw portemonnee. Gebruikt u uw telefoon ook al om mee te betalen? Dat kan met de Wallet. Met de gratis app betaalt u contactloos met uw Android-toestel.

[Meer over de Wallet](#) [nu downloaden](#)

Hulp bij Internet Bankieren

→ Vragen over inloggen  
→ Alle veelgestelde vragen  
→ Contact

Feedback

Actueel

→ Creditcard: handig voor onderweg  
→ Hypotheek berekenen  
→ Spaarrekening voor uw kind



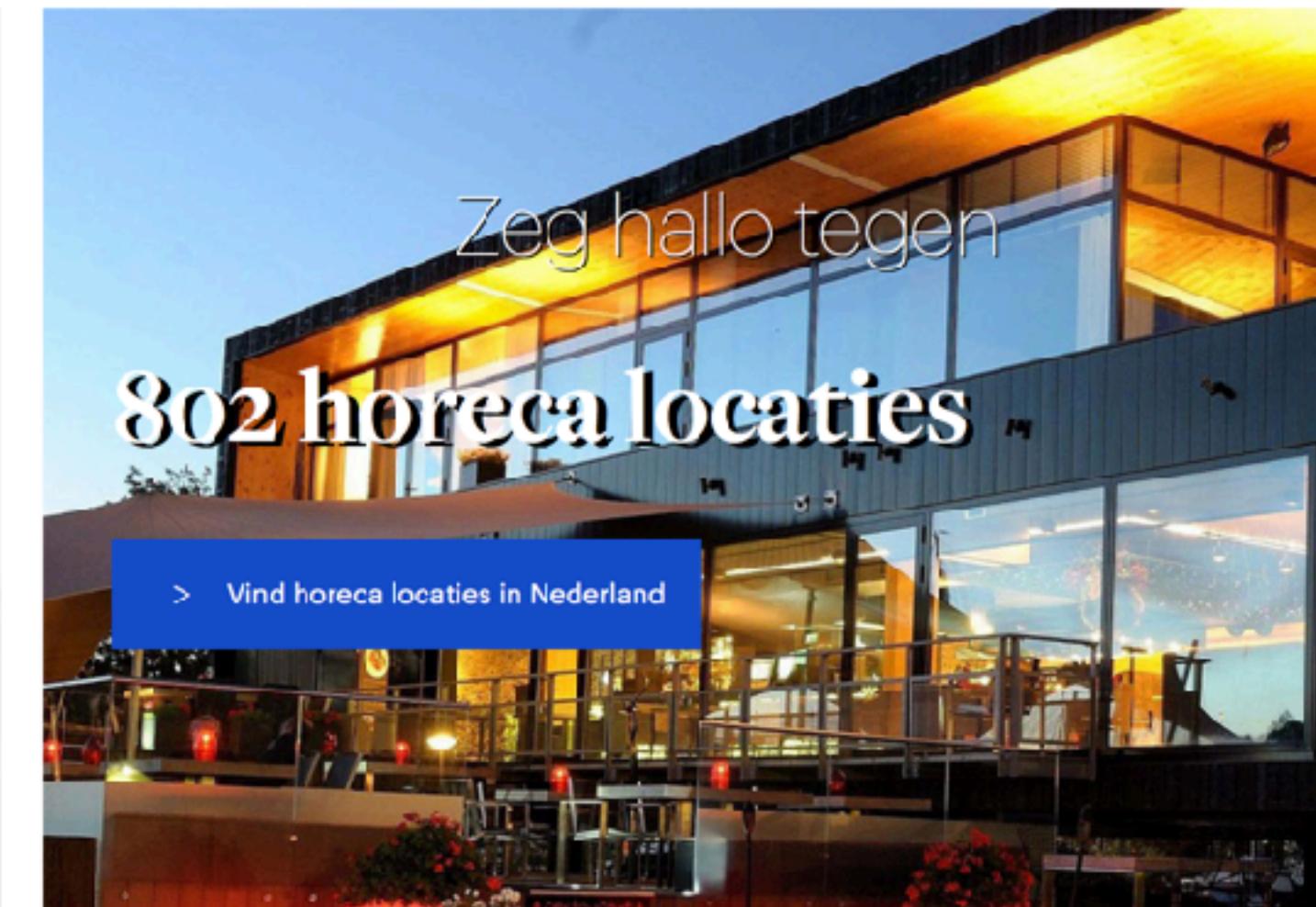
Extra voordeel bij een nieuwe verzekering

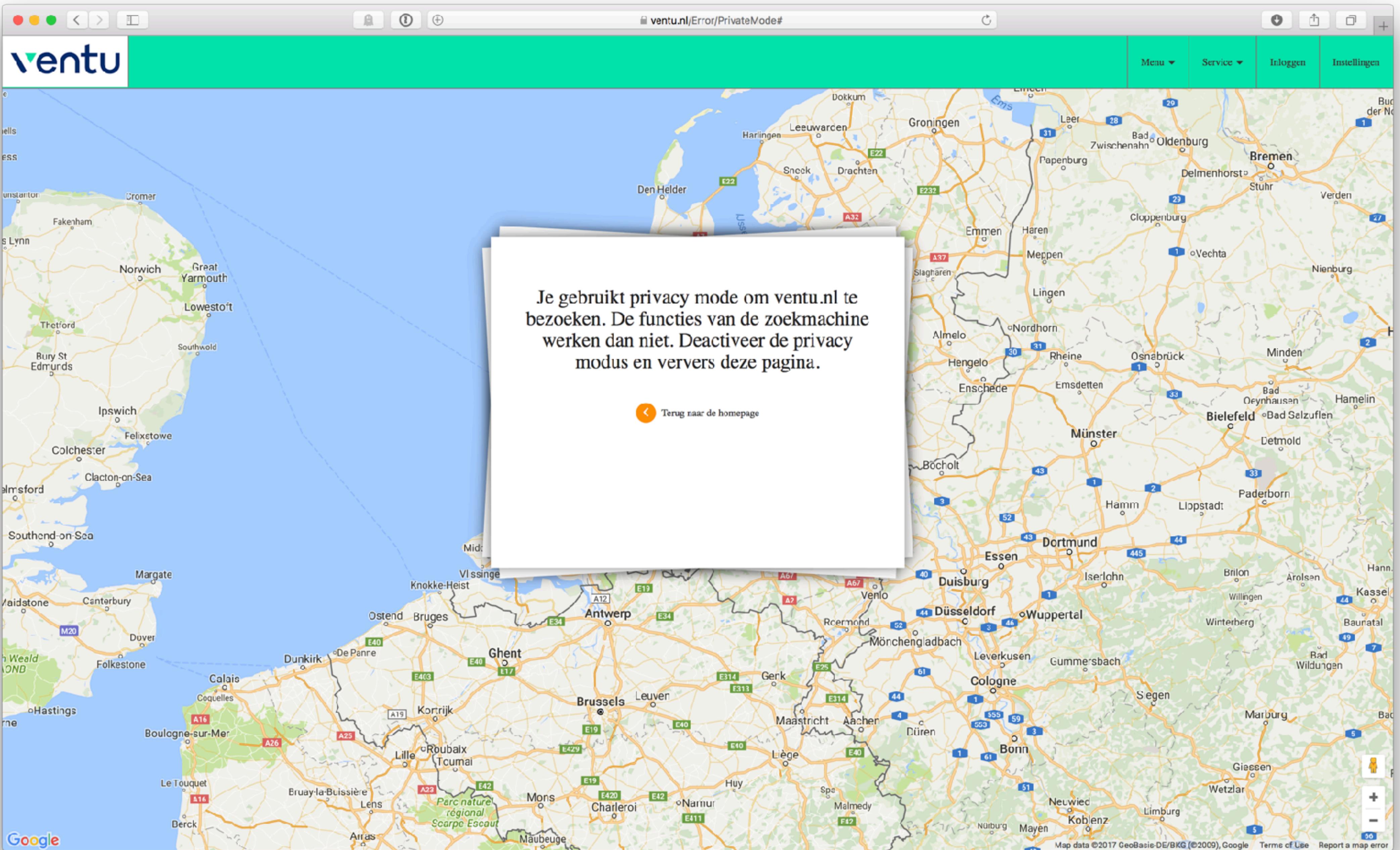
U krijgt nu € 60 terug als u 3 verzekeringen afsluit plus € 5 cadeau per afgesloten verzekering via &Meer klantprogramma.

→ [Bekijk de actie](#)

Vind in ons aanbod 38.240 gebouwen van 2.038 aanbieders

Sinds 1 juli 2016 24.069.386 gebouwen bezocht





# PROGRESSIVE ENHANCEMENT DEVELOPMENT

UNITiD\*



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front-end developers

# FEATURE DETECTION



[image: blog.touringplans.com](http://image.blog.touringplans.com)

[image: catholicallyear.com](http://image.catholicallyear.com)

# GRADE COMPONENTS

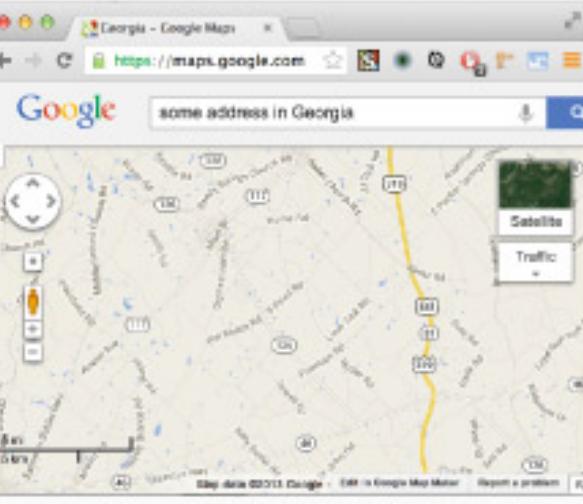
**Grade C:** Basic formatting, link to map



**Property Details**  
4 bedroom / 3 bath  
2-car garage

**Location**  
78 Rivervale Drive  
Cottonwood, GA

**View Map**

(external link) → 

**Grade B:** Same formatting, interactive map in page

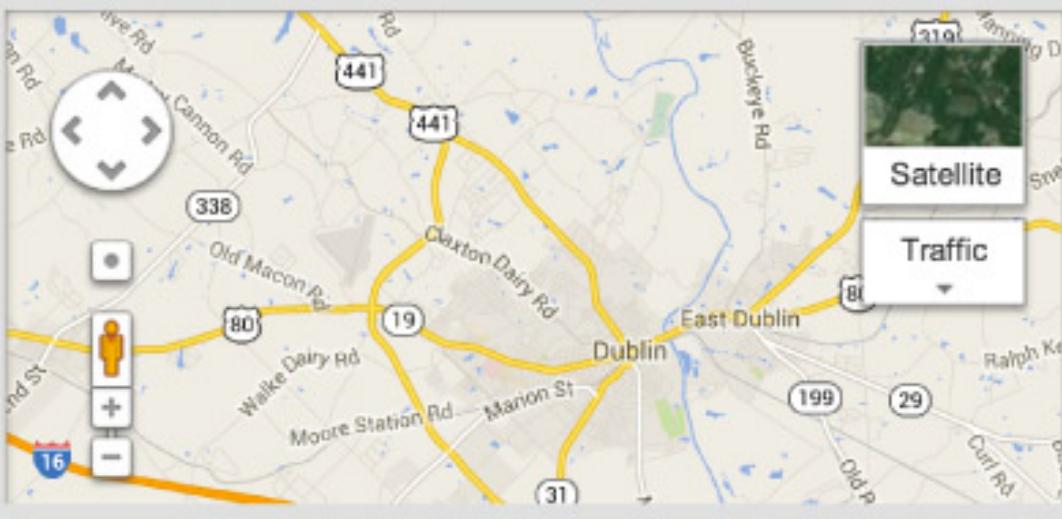
Requires: JavaScript, Ajax Support



**Property Details**  
4 bedroom / 3 bath  
2-car garage

**Location**  
78 Rivervale Drive  
Cottonwood, GA

**View Map**



**Grade A:** Same formatting, map revealed with 3D flip

Requires: CSS 3D transform support



**Property Details**  
4 bedroom / 3 bath  
2-car garage

**Location**  
78 Rivervale Drive  
Cottonwood, GA

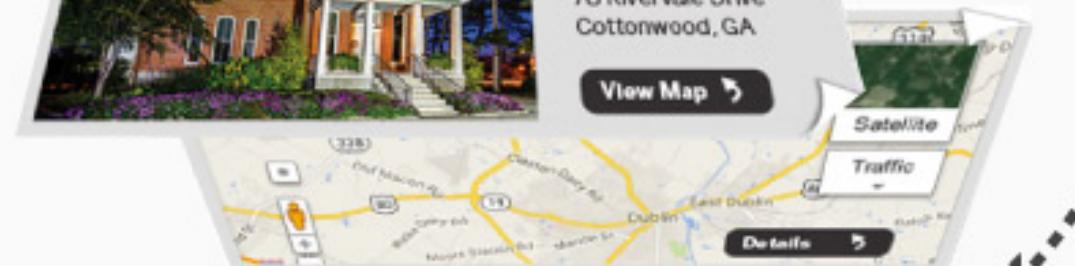
**View Map**



**Property Details**  
4 bedroom / 3 bath  
2-car garage

**Location**  
78 Rivervale Drive  
Cottonwood, GA

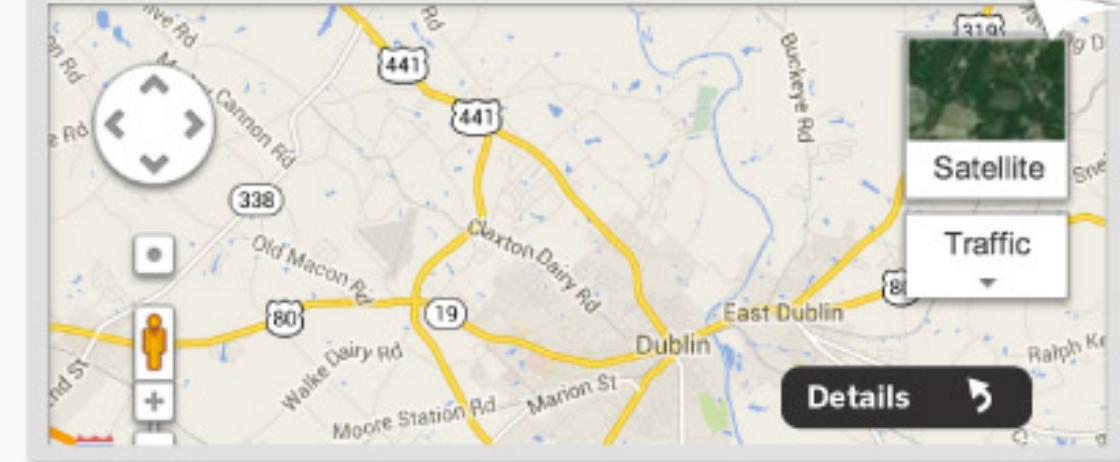
**View Map**



**Property Details**  
4 bedroom / 3 bath  
2-car garage

**Location**  
78 Rivervale Drive  
Cottonwood, GA

**View Map**



# ENHANCE IN HTML

```

```

```
<a href="/path/to/file-b68ac3.pdf"  
      download="acme-services.pdf">
```

```
<input type="range" min="10" max="100" step="5">
```

```
<noscript>Then show this</noscript>
```

# ENHANCE IN CSS

```
.my-rule {  
    font-family: CustomFont, Arial, sans-serif;  
    color: white;  
    background-color: purple;  
    background-image: linear-gradient(45deg, red, blue);  
    padding: 8px 20px;  
    padding: 0.5rem 20px;  
}
```

# ENHANCE IN CSS

```
img {  
    /* styles for all browsers */  
}  
  
/* styles for browsers that support CSS Filters */  
@supports (filter: blur(2px)) {  
    img      { filter: blur(2px); }  
    img:hover { filter: blur(0); }  
}
```

source: [tympanus.net/codrops/css\\_reference/supports/](https://tympanus.net/codrops/css_reference/supports/)

# ENHANCE IN JS

```
if(detectCanvas()) {  
    showGraph()  
} else {  
    showTable()  
}  
  
function detectCanvas() {  
    var canvas = document.createElement('canvas');  
    return (typeof canvas.getContext === 'function');  
}
```

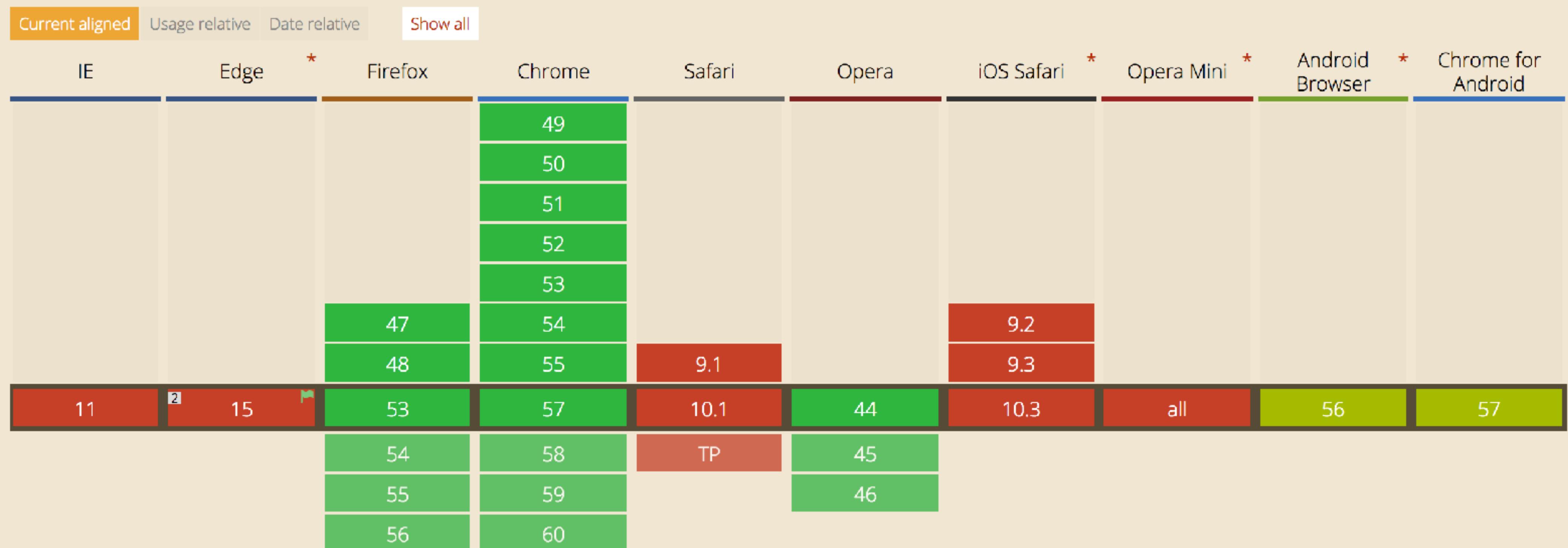
*source: [html5rocks.com/en/tutorials/detection/](http://html5rocks.com/en/tutorials/detection/)*

# CAN I USE ... ?

## Service Workers - WD

Method that enables applications to take advantage of persistent background processing, including hooks to enable bootstrapping of web applications while offline.

|                   |                          |
|-------------------|--------------------------|
| All Web Site Data | 80.42% + 0.14% = 80.56%  |
| Netherlands       | 38.63% + 24.47% = 63.1%  |
| Global            | 32.89% + 39.93% = 72.82% |



# PROGRESSIVE ENHANCEMENT RESOURCES

## Feature detection

Before you try to enhance the experience, you need to ensure the environment is capable of the enhancement. You test this by performing feature detections:

- [CSS feature queries](#) (`CSS.supports()` & `@supports()`) natively test if specific CSS feature is supported using JS method or CSS declaration.
- [Feature Detect ES6](#) detect which ES2015 features are available.
- [SVG requiredFeatures](#) render SVG elements only if their `[requiredFeatures]` evaluate to true.
- [Modernizr](#) is an extensive feature detection suite (supports custom builds).
- [Feature.js](#) is a lightweight feature detection suite.
- [has.js](#) (note: not actively maintained)
- [Conditioner.js](#) conditionally load JS modules based on directives in HTML attributes.
- [EnhanceJS](#) lets you asynchronously load CSS & JS after a set pre-defined feature tests.

## Support tables

Different environments (platforms, browsers, versions) have different capabilities. Support tables tell you what capabilities each environment has. Knowing the level of support can help you weigh an enhancement against the effort and impact of its implementation.

- [The Web Platform](#) overview of browser technologies with links to docs and test suites.
- [Can I use ...?](#) compare feature implementations and limitations across desktop & mobile browsers.
- [I want to use ...](#) figure out the browser support of combinations of features.
- [HTML5 Test](#) test and compare HTML5 feature support across browsers.
- [CSS3 Test](#) fine-grained tests for CSS3 feature support of your current browser.
- [State of Web Type](#) support tables for type and typographic features on the web.
- [Font Family Reunion](#) compatibility tables for default local (system) fonts.
- [HTML5 Accessibility](#) compare feature support of HTML5 tags, input types and properties across major browsers.
- [WAI-ARIA Screen reader compatibility](#) ARIA roles and attributes support for different screen reader and browser combinations.

[github.com/jbmoelker/  
progressive-enhancement-resources/  
#feature-detection](https://github.com/jbmoelker/progressive-enhancement-resources/#feature-detection)

# PROGRESSIVE ENHANCEMENT PATTERNS



**DE VOORHOEDE**  
front-end developers

# SEARCH PARAMETERS

**HotelSpecials**

Finden Sie die besten Hotelangebote

Stadt, Region oder Hotel suchen

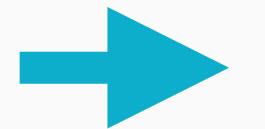
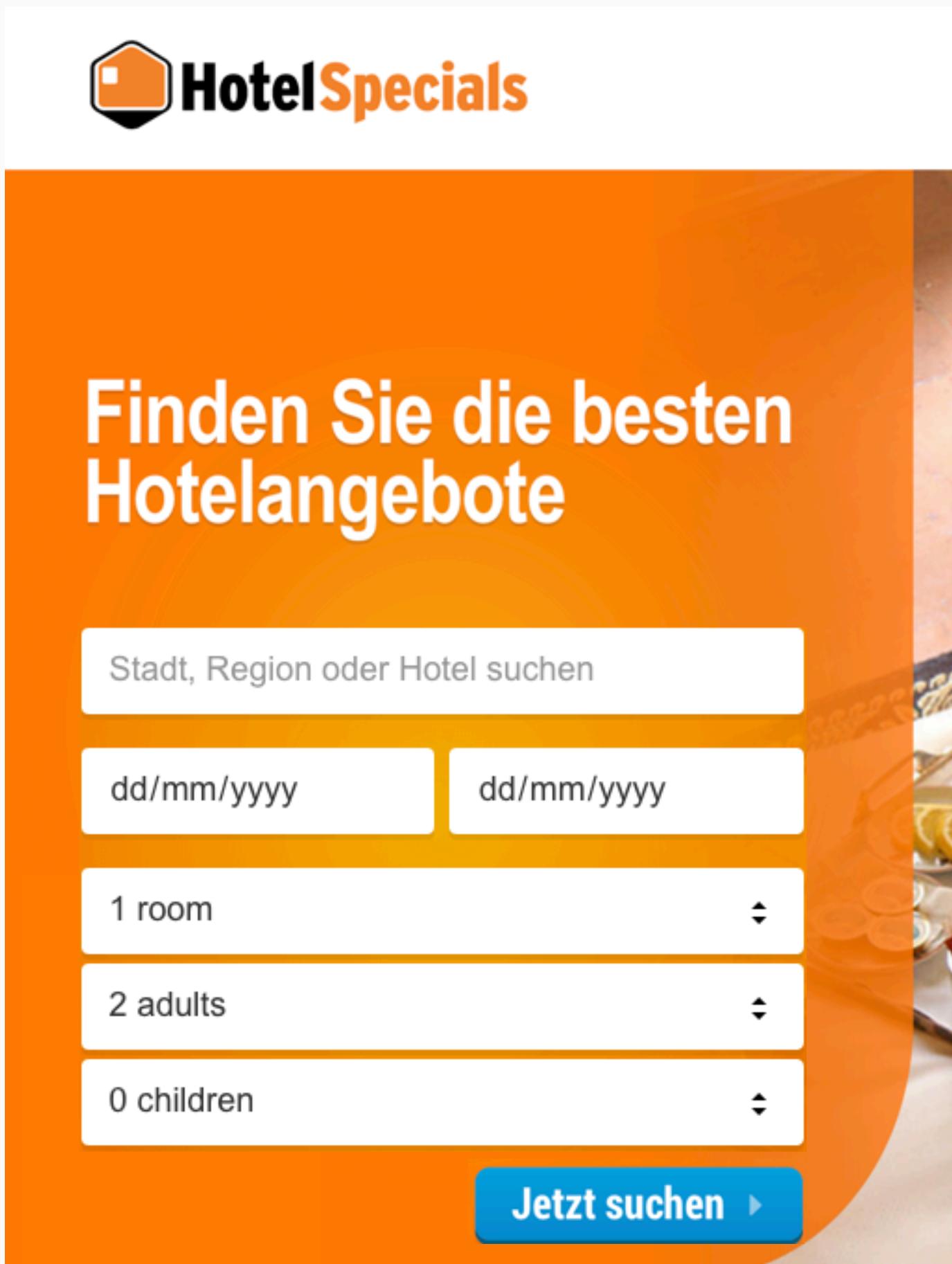
dd/mm/yyyy dd/mm/yyyy

1 room

2 adults

0 children

Jetzt suchen ▶



**HotelSpecials**

Finden Sie die besten Hotelangebote

Stadt, Region oder Hotel suchen

Anreise  Abreise 

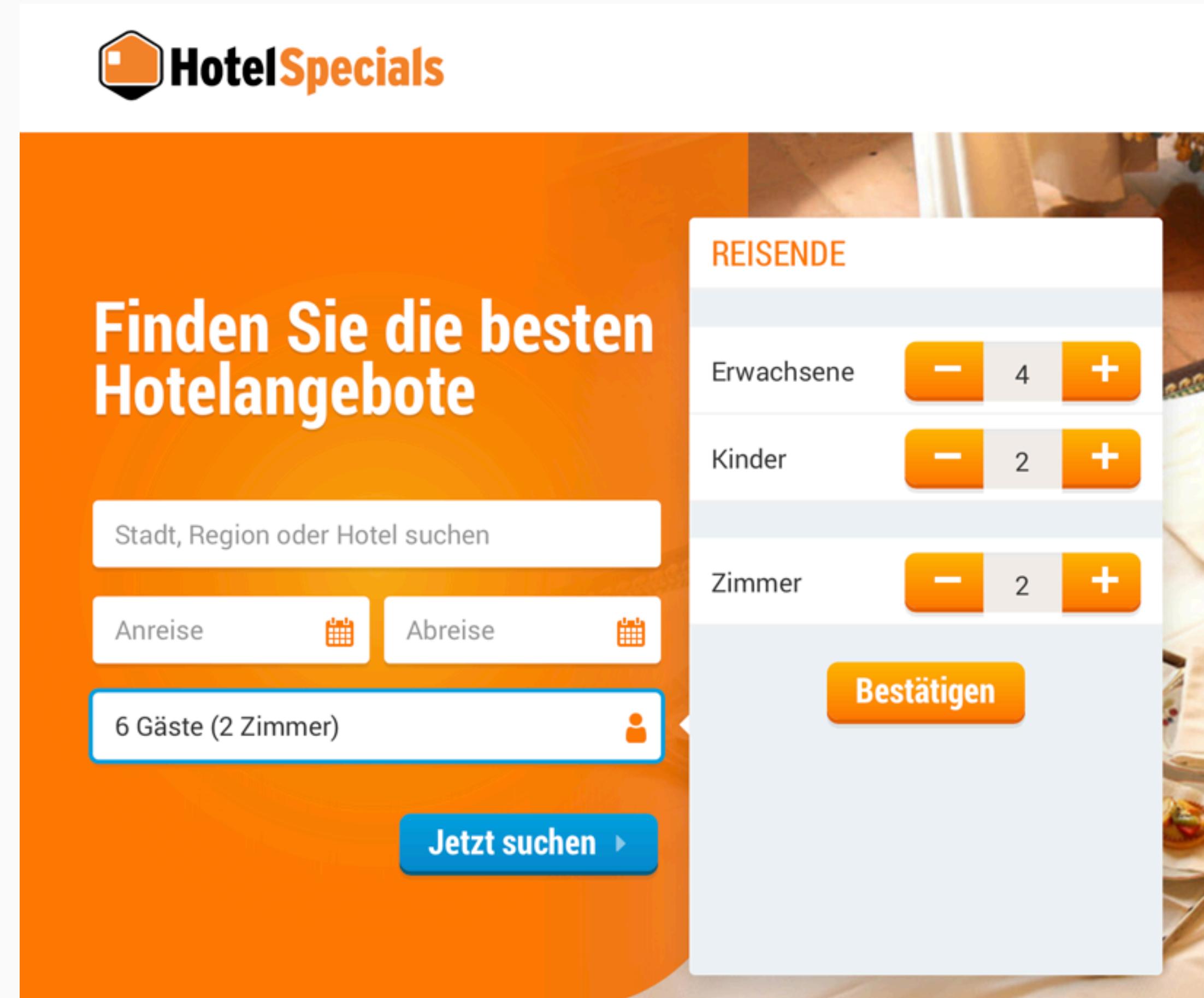
6 Gäste (2 Zimmer) 

Jetzt suchen ▶

**REISENDE**

| Erwachsene | - | 4 | + |
|------------|---|---|---|
| Kinder     | - | 2 | + |
| Zimmer     | - | 2 | + |

**Bestätigen**



# SEARCH PARAMETERS

The image shows two screenshots of the HotelSpecials website illustrating the search parameter configuration process.

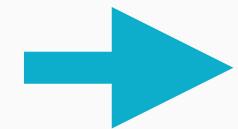
**Left Screenshot:** Shows the initial search form. It includes a search bar for "Stadt, Region oder Hotel suchen", date fields for "Anreise" and "Abreise", and dropdowns for "Zimmer" (1 Zimmer selected), "Erwachsene" (2 Erwachsene), and "Kinder" (0 Kinder). A blue arrow points from this screen to the right one.

**Right Screenshot:** Shows the search form after entering guest details. The "REISENDE" section displays "Erwachsene: 4", "Kinder: 2", and "Zimmer: 2". The total guest count "6 Gäste (2 Zimmer)" is highlighted with a blue border. A "Bestätigen" (Confirm) button is visible. The "Jetzt suchen" (Search now) button is also present.

# PHOTO GALLERY

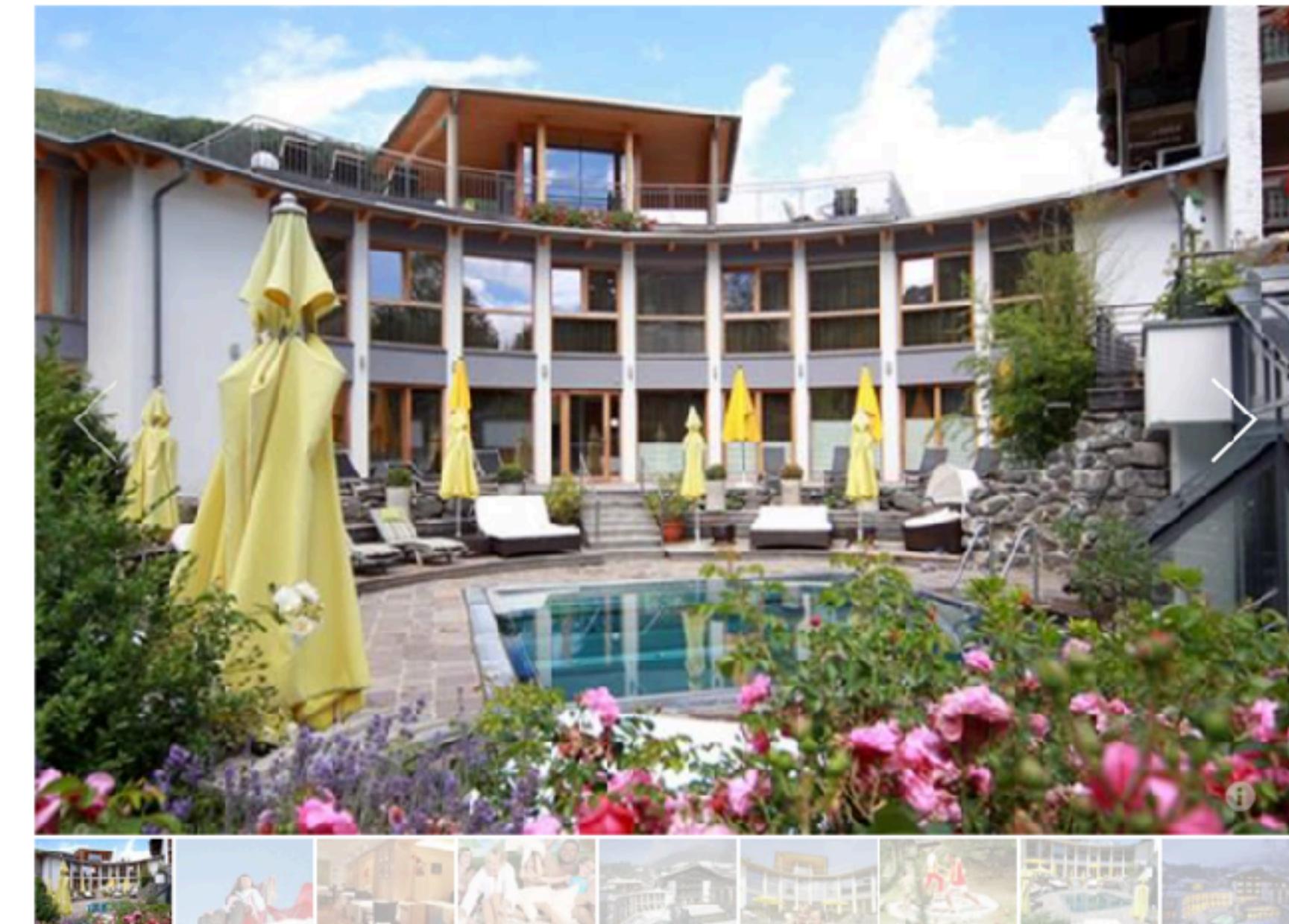
## Hotel Eschenhof ★★★★

Wasserfallweg 12, 9546 Bach, Österreich [Auf Karte anzeigen](#)



## Hotel Eschenhof ★★★★

Wasserfallweg 12, 9546 Bach, Österreich [Auf Karte anzeigen](#)



# AUTOCOMPLETE



Home > Plaats zoekertje > Auto's > Renault

## Plaats een zoekertje

### Titel

▼ uitleg

Zorg voor een opvallende titel: maak gebruik van 60 tekens. Vermeld merknaam, ontwerper of andere kenmerken die herkenbaar zijn voor de kopers zoals type/nummer, jaartal etc. Gebruik relevante zoekwoorden om uw product te beschrijven. Bijv. Iphone 4S wit met 16 GB geheugen onbeschadigd is beter dan alleen Iphone wit.

Titel zoekertje

### Plaats zoekertje in de categorie:

Auto's



Selecteer

Renault



Selecteer

Scenic



Selecteer



Home > Plaats zoekertje

## Plaats een zoekertje

### Titel

▼ uitleg

Renault

53

### Categorie

- Auto-onderdelen > Auto onderdelen > Renault
- Auto's > Renault > Clio
- Auto's > Renault > Megane
- Auto-onderdelen > Autoaccessoires > Velgen
- Hobby > Modelbouw & Schaalmodellen > Modelauto
- Manueel selecteren

### Beschrijving

▼ uitleg

Typ hier uw beschrijving

# MULTI-STEP FORM

**Contact seller**

Please enter your email

Email

jasper@voorhoede.nl

Submit

**Contact seller**

Where are you located?

Country

Netherlands

City

Previous Next

**Contact seller**

Please let us know who you are

First name      Last name

Jasper      Moelker

Company

De Voorhoeve

Previous Next

# ASYNC SEARCH

**funda**

Land Nederland + 0 km

**150.651 resultaten** In koopwoningen

Bewaar zoekopdracht

**Prijs**  
Van € 0  
Tot Geen maximum

**Soort aanbod**  
 Woonhuis 114.168  
 Appartement 29.023  
+ Alle soorten aanbod

**Aantal kamers**  
 1 kamer 1.364  
 2+ kamers 141.238  
 3+ kamers 135.196  
 4+ kamers 116.165  
 5+ kamers 84.584  
+ Specificeer

**Woonoppervlakte**  
 50+ m<sup>2</sup> 140.186  
 75+ m<sup>2</sup> 128.736  
 100+ m<sup>2</sup> 105.985  
 150+ m<sup>2</sup> 44.124

0 filters Verwijder filters

Sorteer op: Relevantie ↓

Lijst Kaart

Smalbroekstraat 36  
Tilburg, € 325.000 k.k.  
Uitgelicht door Beex Makelaardij

Houtduivenhof 29  
Silvolde, € 149.500 k.k.  
Uitgelicht door Rijnlandhaven Make...

NVM Open Huizen Dag  
Vanenburg 19  
Ugchelen, € 199.000 k.k.  
Uitgelicht door Mensink & Sijtsma M...

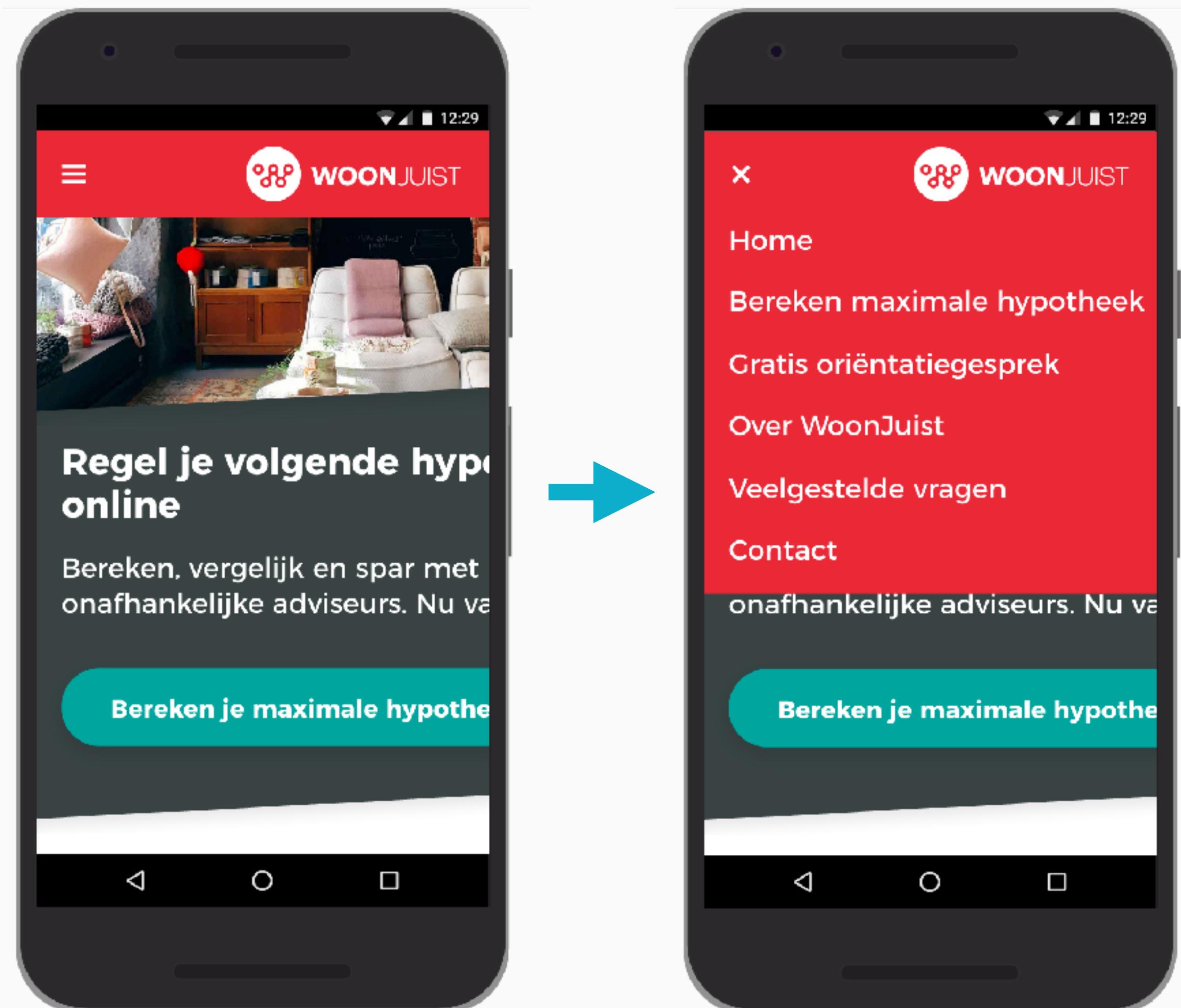
Wachtendonk 406  
5403 VB Uden  
€ 209.000 k.k.  
105 m<sup>2</sup> / 309 m<sup>2</sup> • 4 kamers  
Van der Krabben Makelaardij Uden B.V.

Lokaalspoor 36  
6846 GP Arnhem  
€ 599.000 k.k.  
240 m<sup>2</sup> / 554 m<sup>2</sup> • 8 kamers  
Open makelaars Arnhem

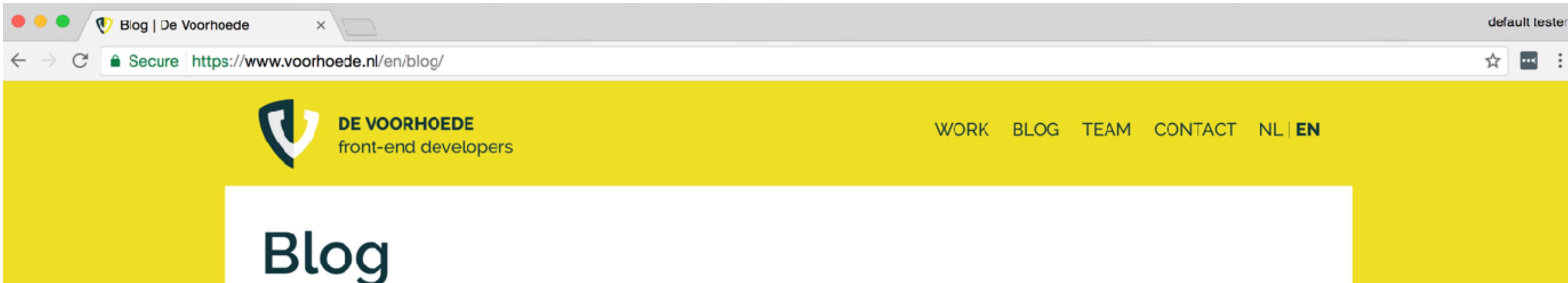
Berlagestraat 6  
3822 TA Amersfoort  
€ 220.000 k.k.  
97 m<sup>2</sup> / 130 m<sup>2</sup> • 5 kamers  
Succesmakelaars

[www.funda.nl/koop/heel-nederland/](http://www.funda.nl/koop/heel-nederland/)

# PROGRESSIVE HAMBURGER



# OFFLINE EXPERIENCE



17 Mar 2017

[Fighting front-end fatigue with tooling recipes](#) 



by Jasper

 available offline

16 Jan 2017

[The importance of an Interaction Engineer](#)



by Tjerk

27 Dec 2016

[Improving accessibility for the blind: 8 guidelines](#)



by Bas

21 Dec 2016

[Creating HTML email templates from scratch](#)



by Vincent

28 Nov 2016

[Static site implosion with Brotli and Gzip](#)



by Thadée

<https://www.voorhoede.nl/en/blog/fighting-front-end-fatigue-with-tooling-recipes/>

[www.voorhoede.nl/en/blog/](http://www.voorhoede.nl/en/blog/)

# PROGRESSIVE ENHANCEMENT PATTERN PRIMER

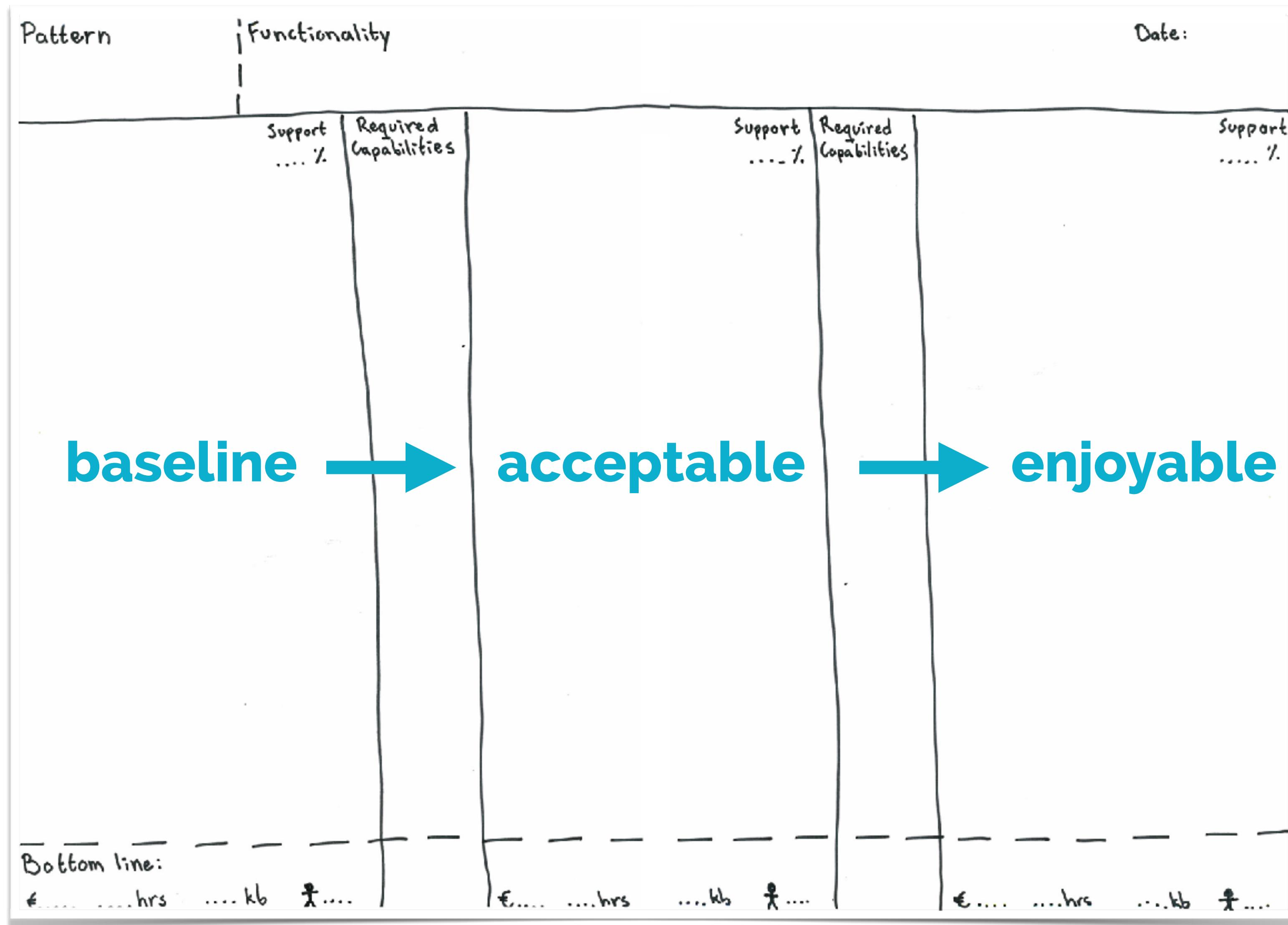


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front-end developers

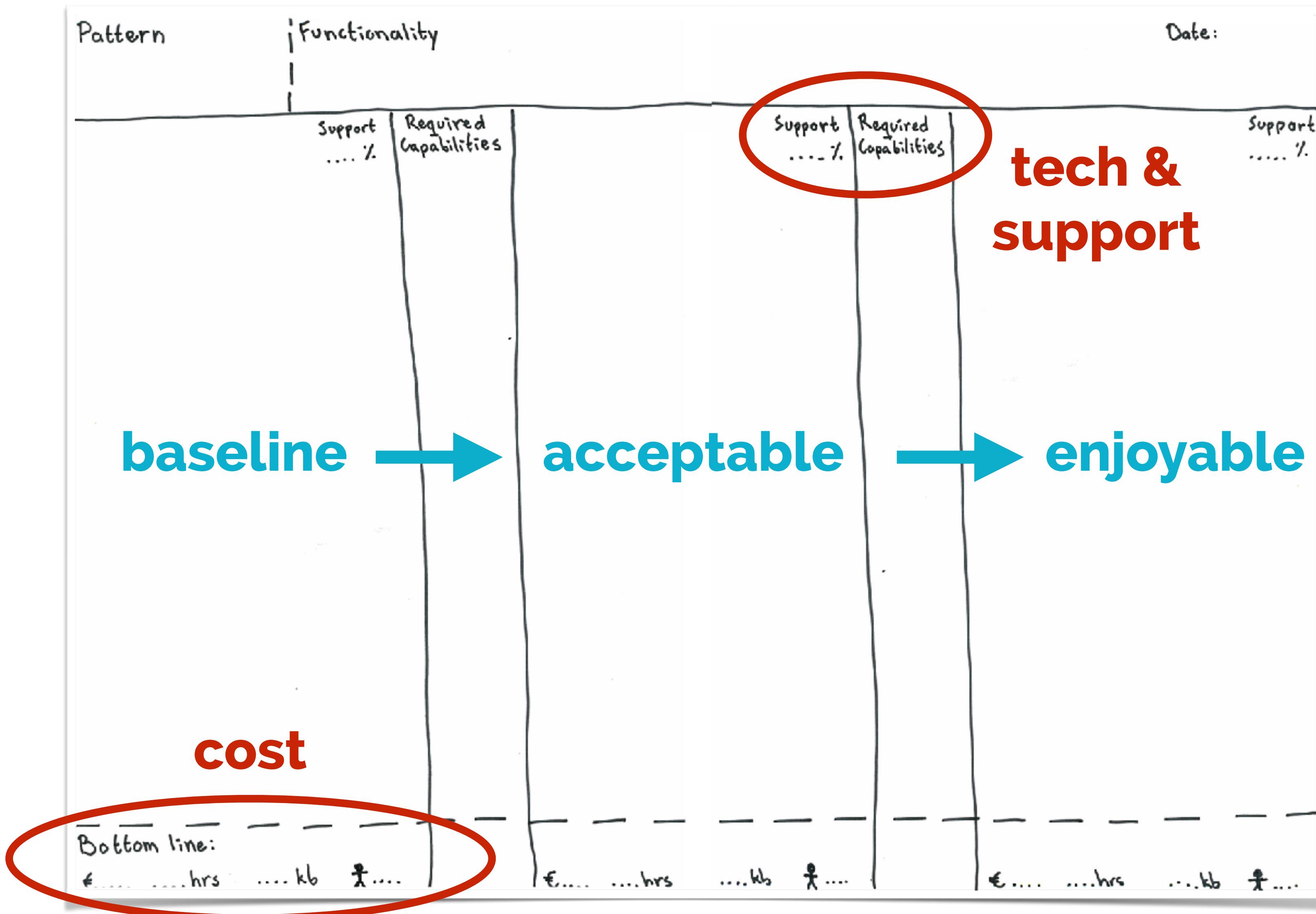
# PATTERN PRIMER

| Pattern          | Functionality     | Date:                    |                  |                   |                          |                  |                   |
|------------------|-------------------|--------------------------|------------------|-------------------|--------------------------|------------------|-------------------|
|                  | Support<br>.... % | Required<br>Capabilities |                  | Support<br>.... % | Required<br>Capabilities |                  | Support<br>.... % |
| Bottom line:     | -----             | -----                    | -----            | -----             | -----                    | -----            | -----             |
| € .... . . . hrs | .... kb           | ....                     | € .... . . . hrs | .... kb           | ....                     | € .... . . . hrs | .... kb           |

# PATTERN PRIMER



# PATTERN PRIMER

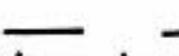
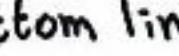


# EXAMPLE: SOCIAL SHARE

# EXAMPLE: SOCIAL SHARE

| Pattern  | Functionality                               | Date: 21 Mar.<br>2017            |
|--|---|----------------------------------|
| Social share                                     | Share content with others via social media. |                                  |
| Support .... %                                   | Required Capabilities                       | Support .... %                   |
| Bottom line:<br>€.... .... hrs   .... kb   ♀.... |   | €.... .... hrs   .... kb   ♀.... |

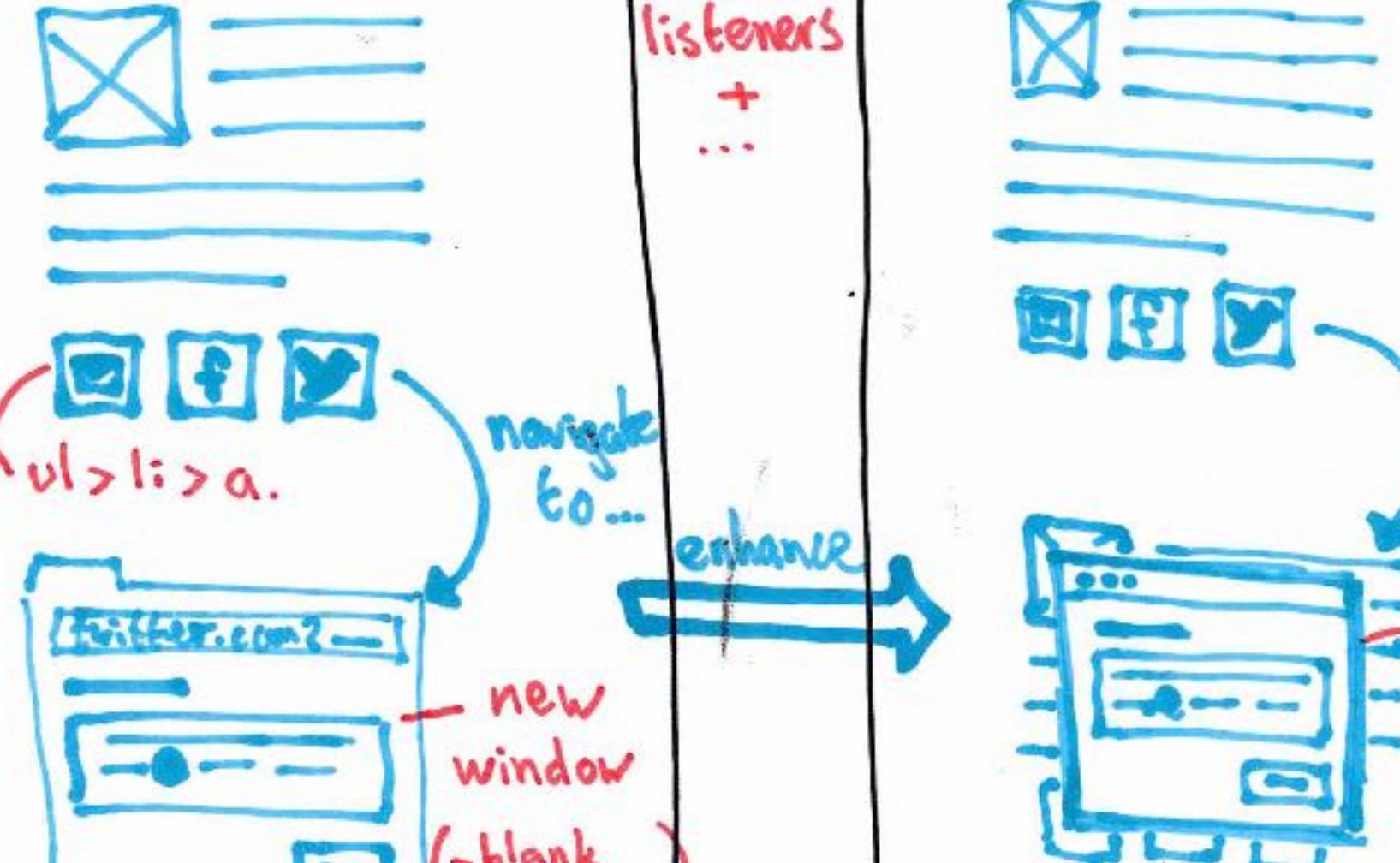
# EXAMPLE: SOCIAL SHARE

| Pattern      | Functionality   | Date: 21 Mar.<br>2017 |
|--------------|---|-----------------------|
| Social share | Share content with others via social media.   |                       |
|              | Support .... %  | Support .... %        |
|              | Required Capabilities   | Required Capabilities |
|              |   |                       |
|              |   <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br> <img alt="Icon representing a link or URL" data-bbox="205 4 |                       |

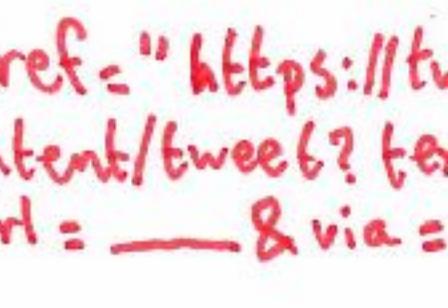
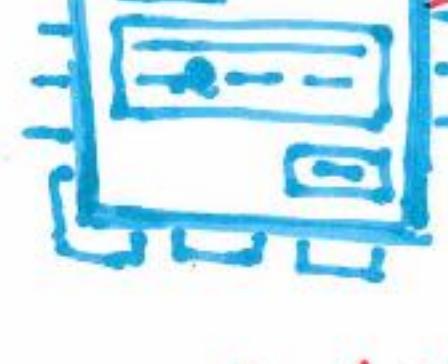
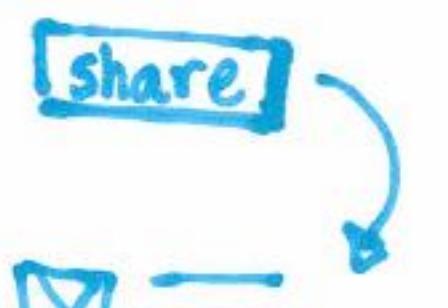
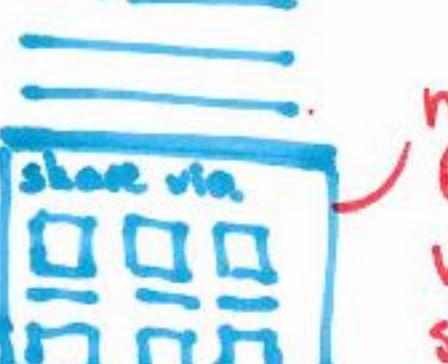
# EXAMPLE: SOCIAL SHARE

| Pattern   | Functionality  | Date: 21 Mar.<br>2017  |
|---|--|--|
| Social share  | Share content with others via social media.  |  |
| <br><br> | Support 100%<br>Required Capabilities<br><br><code>ul&gt;li&gt;a.</code><br><br><code>a[href="https://twitter.com/intent/tweet?text=___&amp;url=___&amp;via=___"]</code><br><br>Bottom line:<br>€.... ....hrs ~0 kb ⚡! | Support ....%<br>Required Capabilities<br><br>Support ....%<br>Required Capabilities<br><br>Support ....%<br>Required Capabilities |

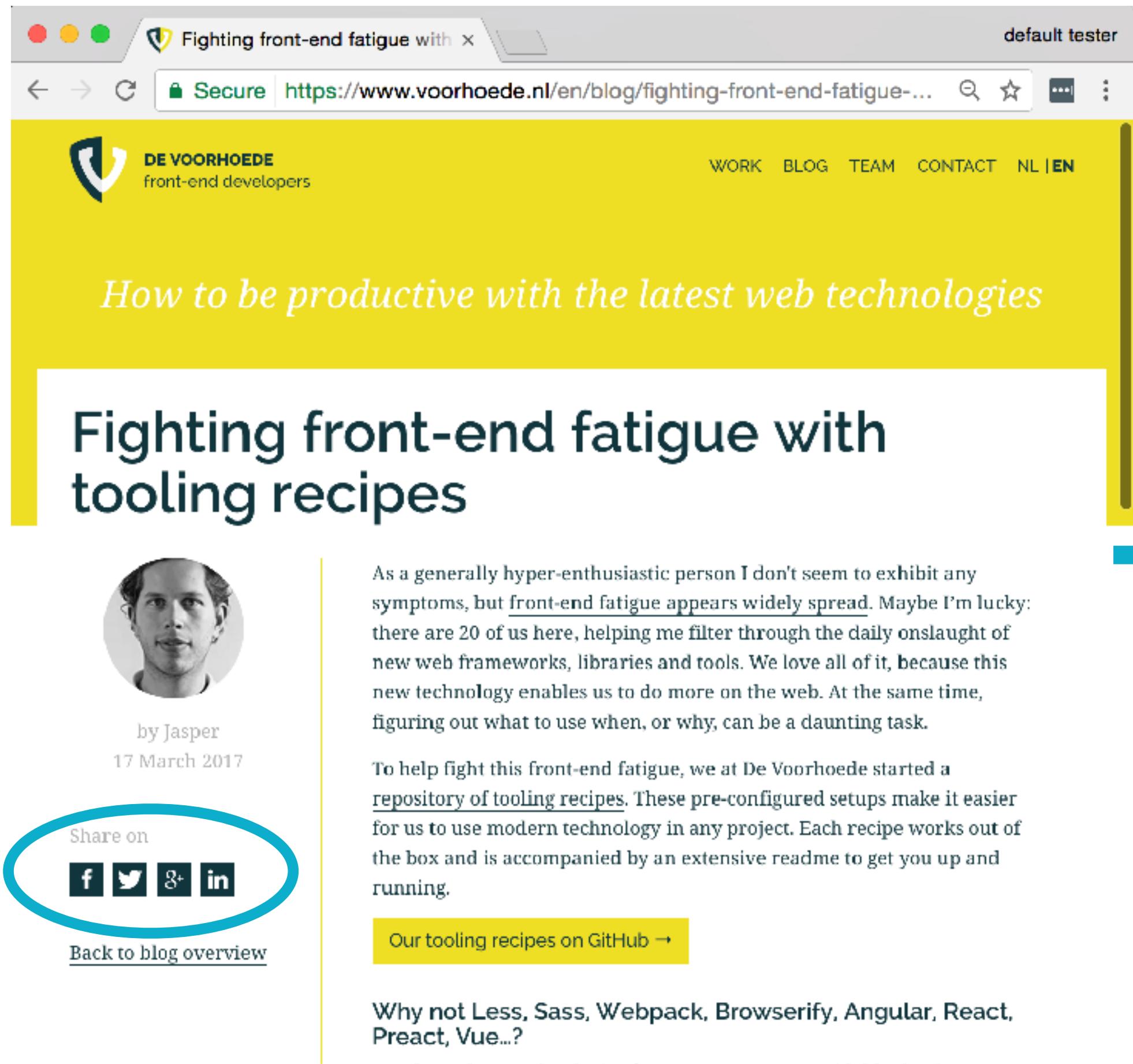
# EXAMPLE: SOCIAL SHARE

| Pattern      | Functionality   | Date: 21 Mar.<br>2017   |
|--------------|---|---|
| Social share | <p>Share content with others via social media.</p>  <p>Support 100%.</p> <p>Required Capabilities<br/>event listeners + ...</p> <p>new window (blank rel=noopener)</p> <p>note: see dev.twitter.com/web/intents &gt; optimization<br/>&gt; limited dependencies</p> <p>to do: re-focus on button after closing pop-up.</p> <p>Bottom line:<br/>€.... hrs ~0 kb ✅</p> |  <p>Support .... %.</p> <p>Required Capabilities</p> <p>Support .... %.</p> |
|              |   |   |

# EXAMPLE: SOCIAL SHARE

| Pattern  | Functionality   | Date: 21 Mar. 2017  |
|--|---|---|
| Social share   | Share content with others via social media.   |   |
| <br><br><br><br><br><br><br><i>new window (-blank rel=noopener)</i> | <p>Support 100%.</p> <p>Required Capabilities<br/>event listeners + ...</p> <p><i>navigate to...</i></p> <p><i>enhance</i></p> <p><i>note: see dev.twitter.com/web/intents &gt; optimization &gt; limited dependencies</i></p> <p><i>to do: re-focus on button after closing pop-up.</i></p> <p><i>Bottom line:</i></p> <p>€.... hrs ~0 kb ↗✓</p> | <br><br><br><p>Support ~97%.</p> <p>Required Capabilities<br/>navigator.share API</p> <p><i>pop up</i></p> <p><i>enhance</i></p> <p><i>note: currently requires origin trial token for Chrome.</i></p> <p>€.... hrs ~1.5 kb ↗✗✓</p> |
| <br><br><br><p>Support ~69%.</p> <p><i>native tray with share options</i></p>  |   |   |

# SHARE VIA LINK



Fighting front-end fatigue with tooling recipes

As a generally hyper-enthusiastic person I don't seem to exhibit any symptoms, but front-end fatigue appears widely spread. Maybe I'm lucky: there are 20 of us here, helping me filter through the daily onslaught of new web frameworks, libraries and tools. We love all of it, because this new technology enables us to do more on the web. At the same time, figuring out what to use when, or why, can be a daunting task.

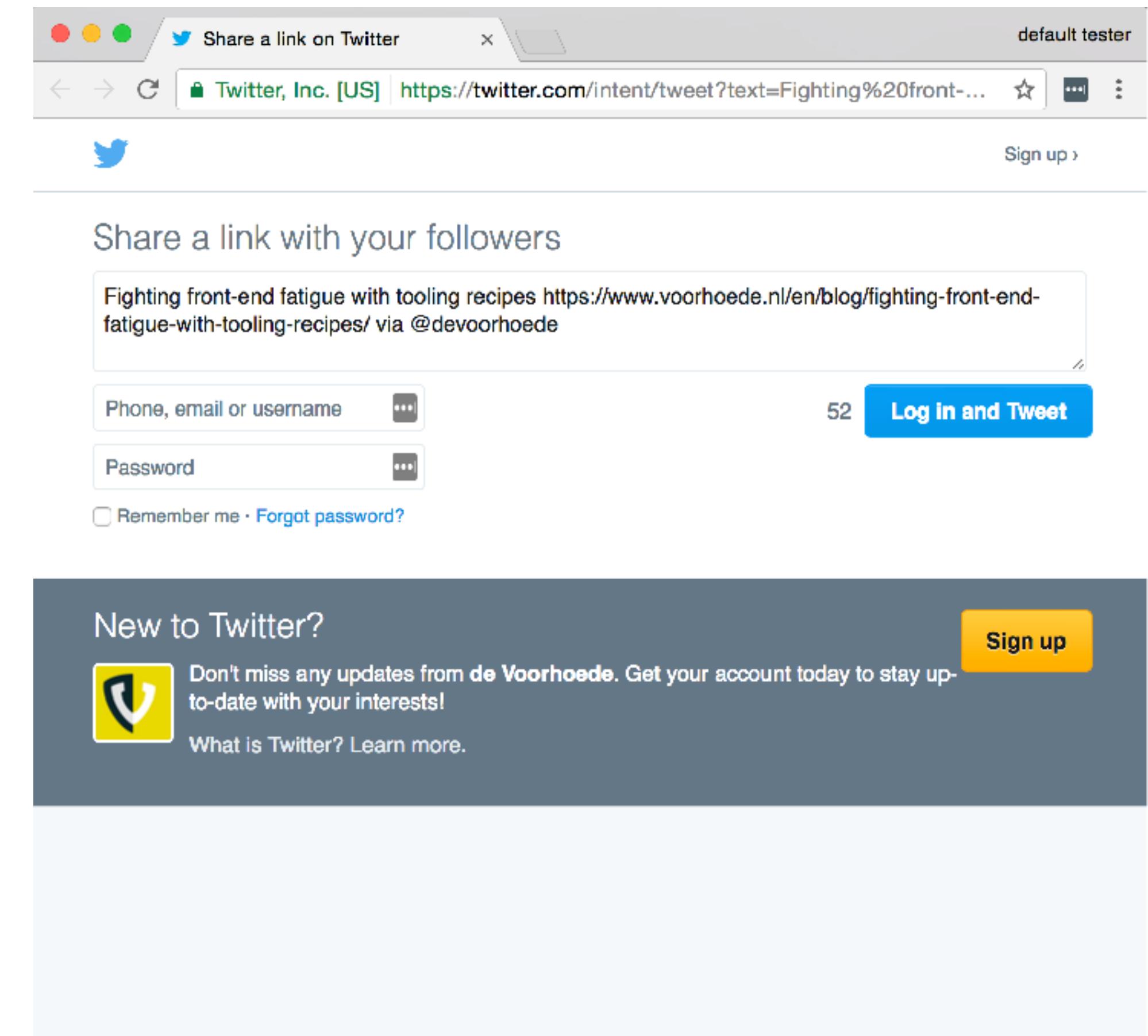
To help fight this front-end fatigue, we at De Voorhoede started a repository of tooling recipes. These pre-configured setups make it easier for us to use modern technology in any project. Each recipe works out of the box and is accompanied by an extensive readme to get you up and running.

Our tooling recipes on GitHub →

Why not Less, Sass, Webpack, Browserify, Angular, React, Preact, Vue...?

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Fighting front-end fatigue with tooling recipes <https://www.voorhoede.nl/en/blog/fighting-front-end-fatigue-with-tooling-recipes/> via @devoorhoede

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52 Log In and Tweet

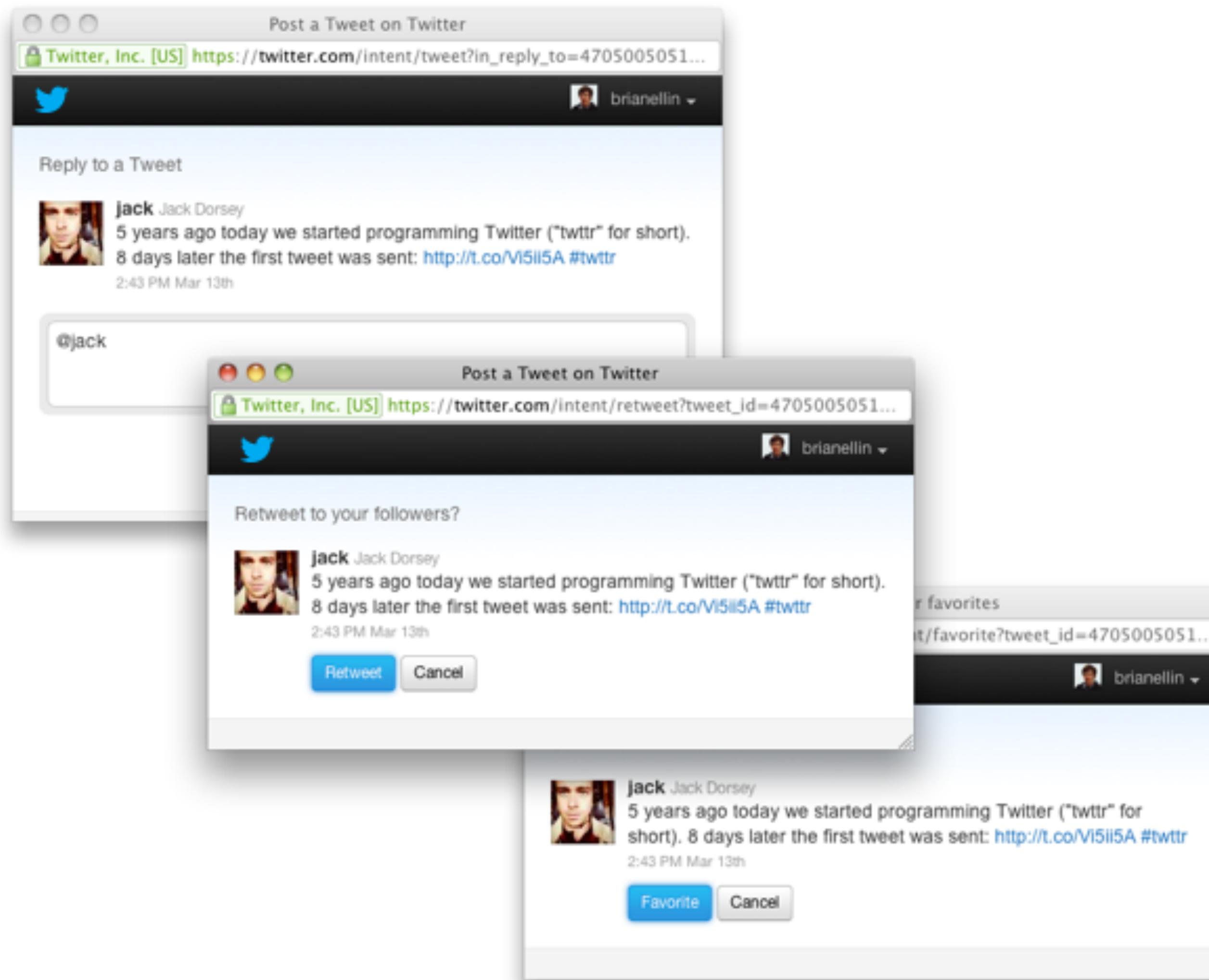
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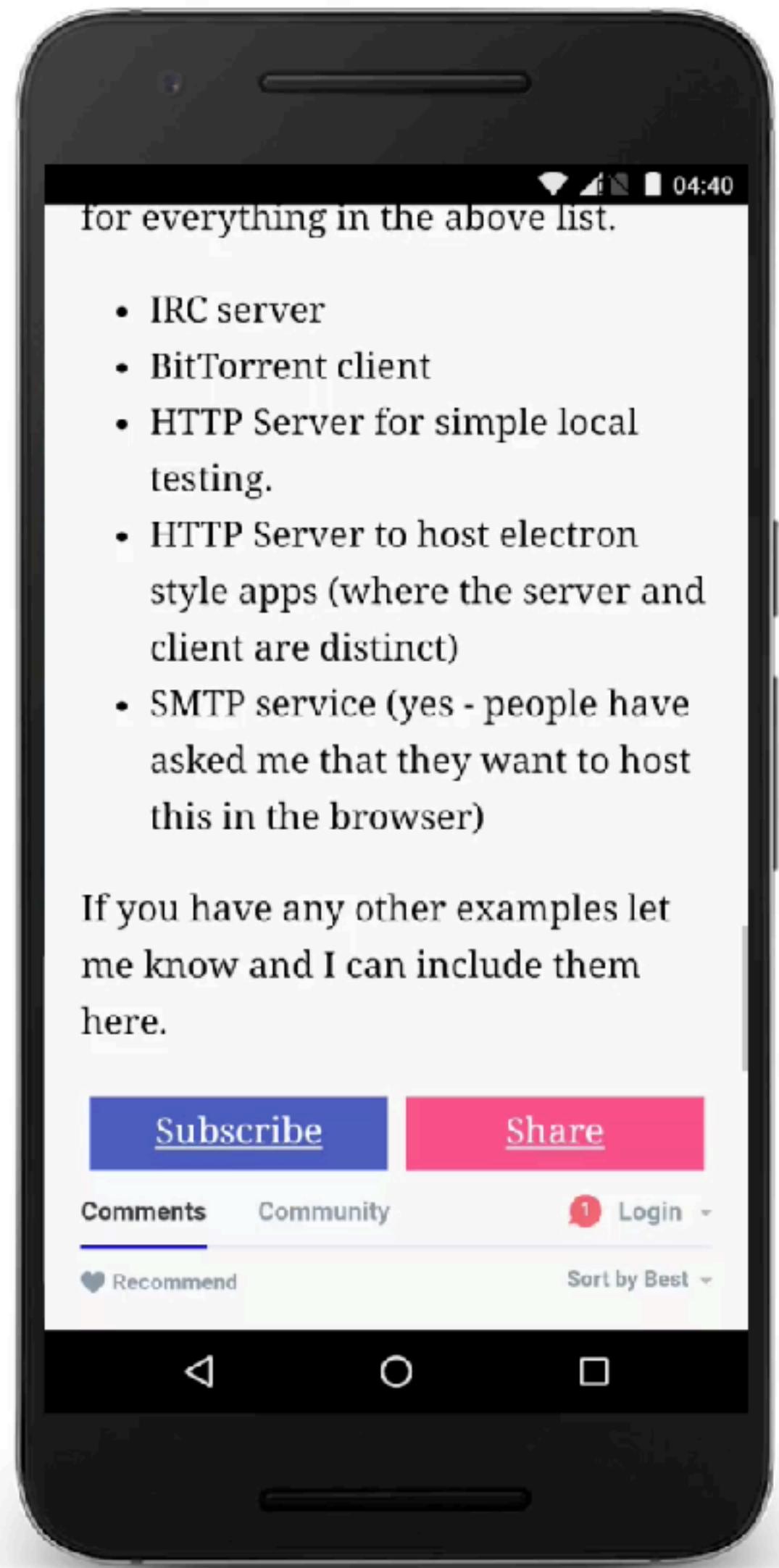
[dev.twitter.com/web/intents](https://dev.twitter.com/web/intents)

# SHARE VIA POP-UP



[dev.twitter.com/web/intents](https://dev.twitter.com/web/intents)

# NATIVE SHARE



[paul.kinlan.me/navigator.share](http://paul.kinlan.me/navigator.share)

# PROGRESSIVE ENHANCEMENT PATTERN EXERCISE #1



**DE VOORHOEDE**  
front-end developers

# GRABA PRIMER

| Pattern          | Functionality     | Date:                    |                  |                   |                          |                  |                   |
|------------------|-------------------|--------------------------|------------------|-------------------|--------------------------|------------------|-------------------|
|                  | Support<br>.... % | Required<br>Capabilities |                  | Support<br>.... % | Required<br>Capabilities |                  | Support<br>.... % |
| Bottom line:     | -----             | -----                    | -----            | -----             | -----                    | -----            | -----             |
| € .... . . . hrs | .... kb           | ....                     | € .... . . . hrs | .... kb           | ....                     | € .... . . . hrs | .... kb           |

# PICK A PATTERN

TOOLTIP

1

RANGE INPUT

1

BIRTHDAY  
DATE INPUT

1

COLOR PICKER

1

STAR RATING  
INPUT

1

EXPANDIBLE  
NAVIGATION

1

ADDRESS ON MAP

1

# PRESENT YOUR PATTERN

Take a photo of your pattern  
Share it on Slack in #dev-heart-des

# PROGRESSIVE ENHANCEMENT

# PATTERN EXERCISE #2



**DE VOORHOEDE**  
front-end developers

# PICK A PATTERN

STICKY HEADER

2

LIVE CHAT

2

UPLOAD FILES

2

VIDEO PLAYER

1

IMAGE GALLERY

2

LAZY LOAD  
IMAGES

2

CHART

2

AUTOCOMPLETE  
1M+ items

2

CUSTOM FONTS

2

ROUTE FROM A  
TO B

2

CREDITCARD INPUT

2

NEARBY DATE  
INPUT

2

ANIMATED  
SCROLL

1

CONTENT TABS

1

PROGRESS  
INDICATOR

1

VECTOR  
ANIMATION

1

# PRESENT YOUR PATTERN

Take a photo of your pattern  
Share it on Slack in #dev-heart-des

# RESOURCES



# PROGRESSIVE ENHANCEMENT RESOURCES

☰ README.md

## Progressive Enhancement resources

A comprehensive collection of resources on Progressive Enhancement. From concept and strategies to feature detection and testing methods. Complete with a list of (code) examples.

### Table of Contents

- [The concept](#)
- [Strategies](#)
- [Feature detection](#)
- [Support tables](#)
- [Testing methods](#)
- [Examples](#)
- [Related articles](#)

### The concept

Progressive enhancement means gradually improving the user experience after verifying the target environment (e.g. browser) is capable of it. Start with content and ensure you maintain functionality & accessibility.

- [Progressive Enhancement: It's about the content](#): sharing content is the core of the web. Progressive Enhancement ensures access to content.
- [The Role of Enhancement in Web Design](#): from the concept of enhancement to the criteria and rules for enriching the user interface.
- [Understanding Progressive Enhancement](#): apply technologies in an intelligent way, layer-upon-layer, to craft an amazing experience.

[github.com/jbmoelker/progressive-enhancement-resources](https://github.com/jbmoelker/progressive-enhancement-resources)