

Building an app prototype

*A workshop by [@goodbytes](#)
[workshops.goodbytes.be](#)*





A Loo Me! | Open Data Stad

opendata.antwerpen.be/apps/loo-me

OpenData

OVER OPEN DATA DATASETS APPS APPS FOR ANTWERP CONTACT

Home » Loo Me!

[RSS](#) [Twitter](#) [Facebook](#) [Google+](#)

Loo Me!

Sinjoren met een dringende kleine of grote boodschap kunnen via de app *Loo Me!* snel en eenvoudig het dichtsbijzijnde openbare toilet in hun buurt vinden.

De app kan via elke moderne browser gebruikt worden op elk platform.

Screenshots

Bezoek webapp

Bezoek website

website ontwikkelaar

Infrastructuur Toerisme

Welzijn en gezondheid

Website

Hurry 17000 mete
Pognaafplaats

THE DAILY HERO

FROM THE FRONTLINES

JULY 17, 2013



TOP STORY
'MAN OF STEEL'
STEALS THE SCREEN



EXCLUSIVE
CHRISTOPHER NOLAN TALKS
THE FUTURE OF BATMAN



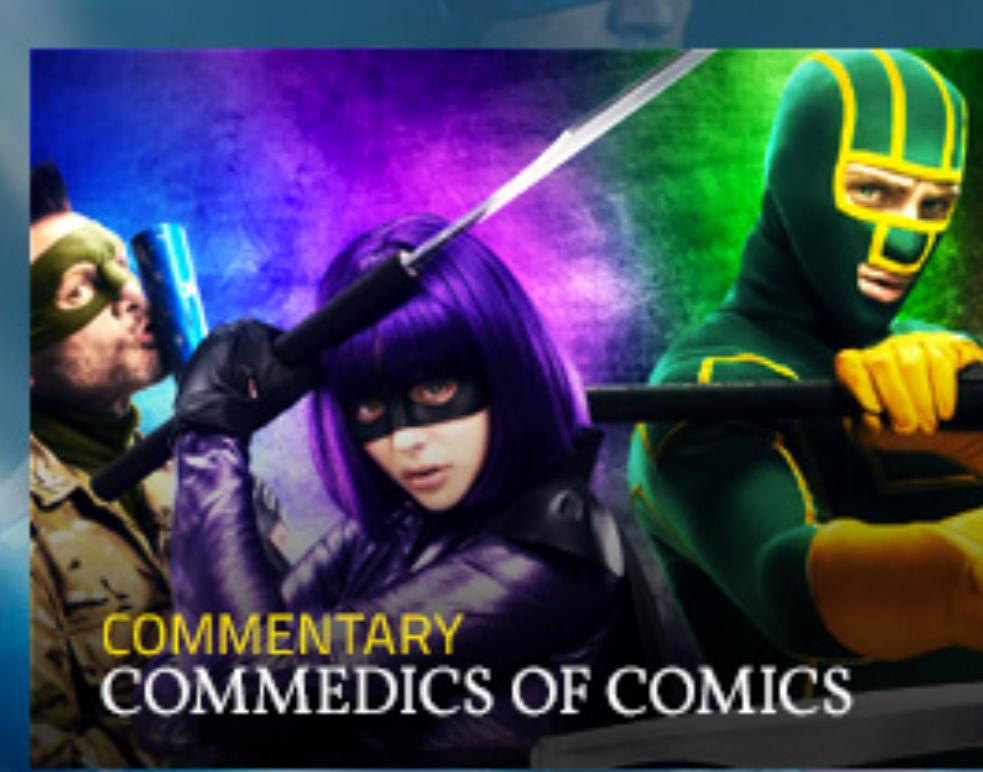
COMING SOON
THE WOLVERINE 2013



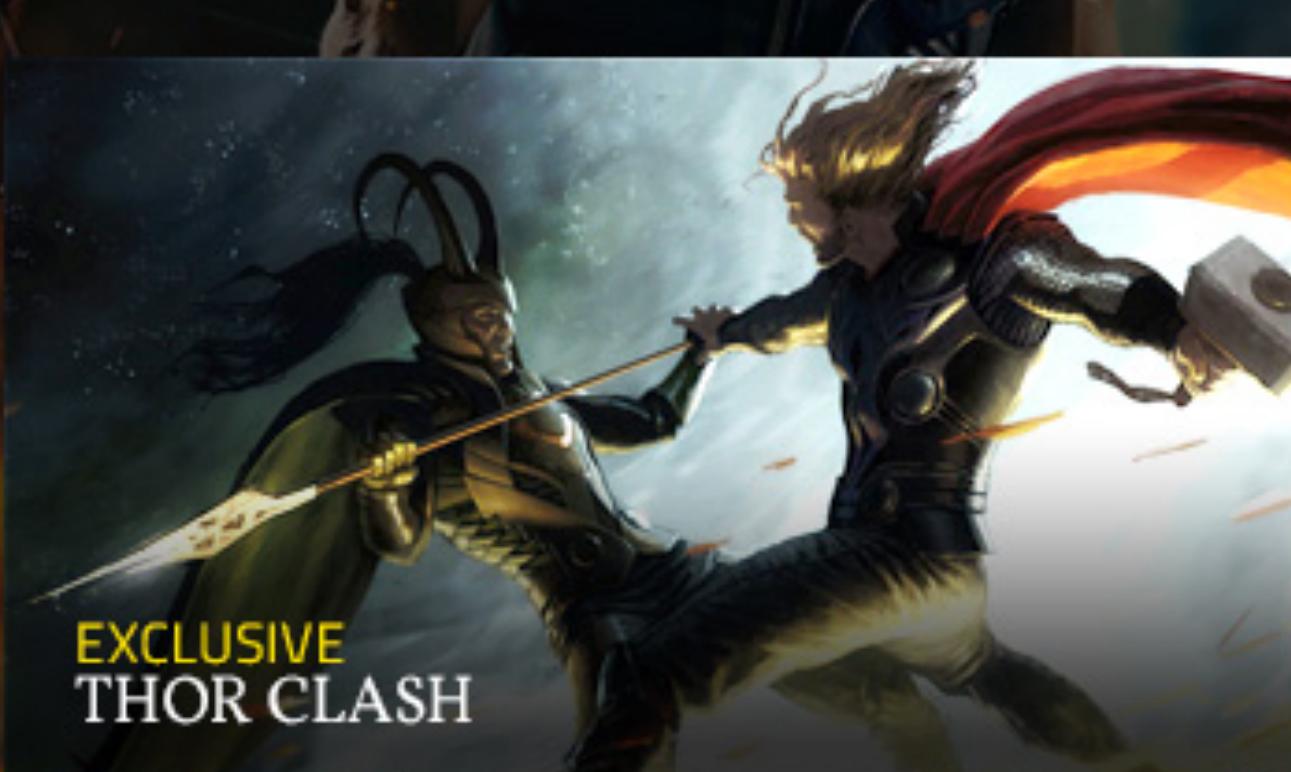
HEADLINE NEWS
WATCHMEN ON NETFLIX



STORYLINES
THE BIG GUY GETS BIGGER



COMMENTARY
COMMEDIES OF COMICS



EXCLUSIVE
THOR CLASH



COMMENTARY
AVENGING THE FIRE



STORYLINES
SPIDEY'S ROMANCE



but first: your portfolio

Portfolio

- your own **private** GitHub repository containing all your labs
- *README.md* in markdown describing your labs every week and what you learned from them
- update your portfolio URL via a pull request to <https://github.com/iamgoodbytes/2imd-webtech2-labs> (change your URL to your portfolio repository)
- in a few weeks, I will pick out 2 **random!** labs to see if and how you completed them (correct commits? not just one big commit?)

Markdown

- easy to learn and use
- plain text without complex formatting like html
- can easily be converted to HTML
- used in CMS or even as site generators

Jekyll • Simple, blog-aware, static sites

jekyllrb.com

Jekyll • Simple, blog-aware, static sites GitHub Pages Creating Pages with the automatic generator • GitHub Help

The screenshot shows the official Jekyll website at jekyllrb.com. The page has a dark background with white text. At the top, there's a navigation bar with links for Overview, Documentation, News, and View on GitHub. Below the navigation is the Jekyll logo, which is the word "jekyll" written in a stylized, flowing script font inside a test tube containing red liquid. The main headline reads "Transform your plain text into static websites and blogs." Below this, there are three sections: "Simple", "Static", and "Blog-aware", each with a brief description and a link to more information. A "Quick-start Instructions" box at the bottom contains terminal commands for setting up a new site. A call-to-action button at the bottom left encourages users to "Get up and running in seconds."

jekyll

OVERVIEW DOCUMENTATION NEWS VIEW ON GITHUB

Transform your plain text into static websites and blogs.

Simple

No more databases, comment moderation, or pesky updates to install—just *your content*.

[How Jekyll works →](#)

Static

Markdown (or Textile), Liquid, HTML & CSS go in. Static sites come out ready for deployment.

[Jekyll template guide →](#)

Blog-aware

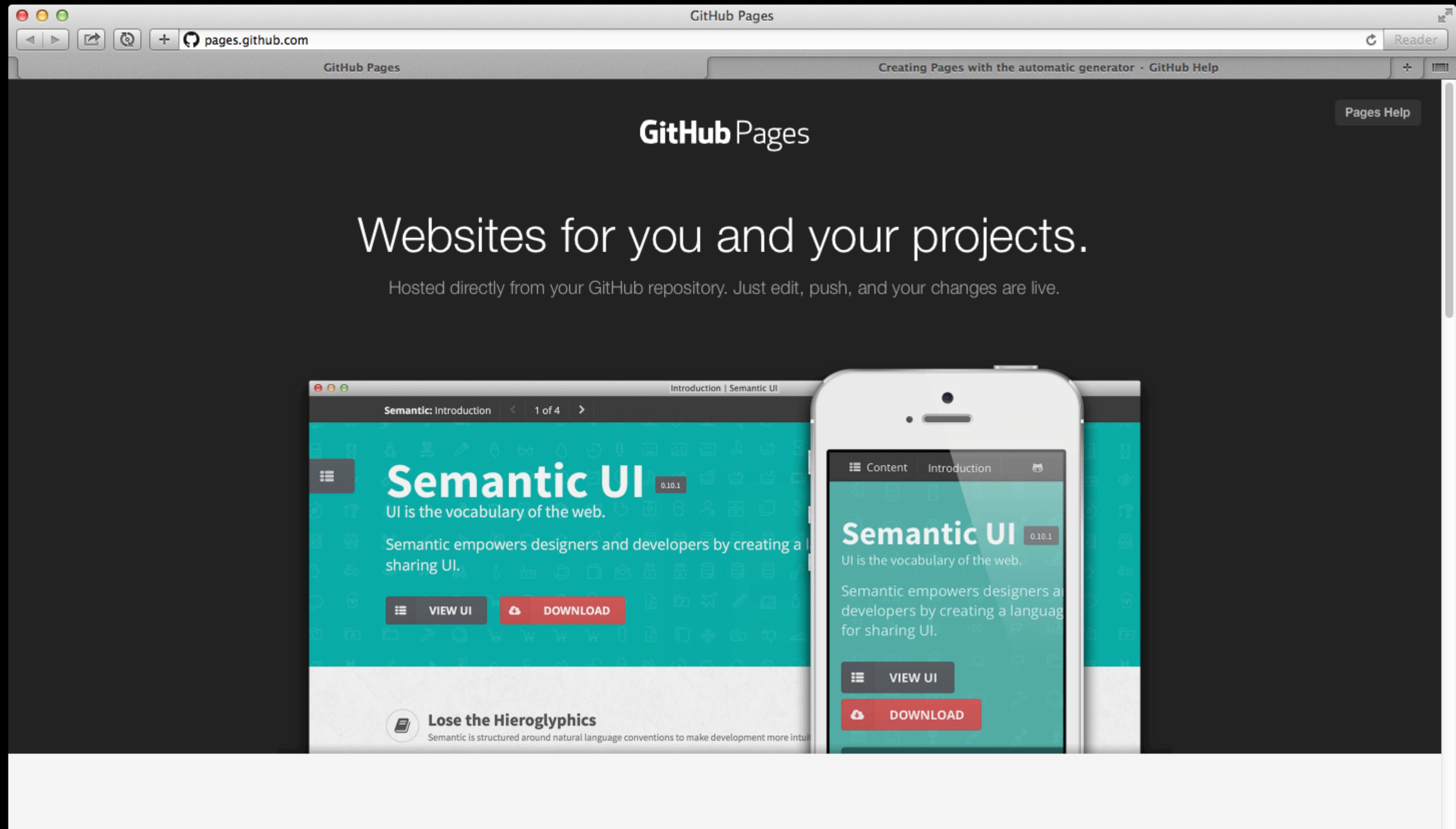
Permalinks, categories, pages, posts, and custom layouts are all first-class citizens here.

[Migrate your blog →](#)

Quick-start Instructions

```
~ $ gem install jekyll  
~ $ jekyll new my-awesome-site  
~ $ cd my-awesome-site  
~/my-awesome-site $ jekyll serve  
# => Now browse to http://localhost:4000
```

Get up and running *in seconds*.



The screenshot shows a Mac OS X desktop environment with a window titled "README.md". The window contains the following content:

Webtech 2: notes

These are extra notes, links and references used to supplement a course I teach at Interactive Multimedia Design (<http://www.weareimd.be>) at Thomas More university college Mechelen.

Students and readers are encouraged to participate and optimize these course materials by sending a GIT pull request.

Reusing parts of this course is allowed and encouraged as long as the following attribution and links are kept intact:

Licensing and attribution

Course material created by GoodBytes for professional bachelor degree [Interactive Multimedia Design](<http://www.weareimd.be/>) at [Thomas More](<http://www.thomasmore.be/interactive-multimedia-design-imd>) Mechelen in Belgium.

Markdown

You may have noticed that this course is published on github in a file called README.md. By default, GitHub will display the contents of a README.md file on a repository's landing page. See the extension .md? That stands for [markdown](<http://en.wikipedia.org/wiki/Markdown>).

Markdown is a super simple way to add formatting to text, without having to use complex and irritating word processing software. It gives you a lot of freedom to do whatever you want with your documents, like converting it to HTML.

* <http://daringfireball.net/projects/markdown/>
* <https://help.github.com/articles/markdown-basics>
* <https://help.github.com/articles/github-flavored-markdown>

Social coding with Git

What is git

Git is a version control system or VCS. Another famous version control system is SVN or Subversion. A version control system makes it easier to collaborate on projects in teams, especially when a project consists of source code like PHP, HTML, ..

Git is a distributed VCS while Subversion is a centralized VCS. When using a distributed VCS like Git, you commit your changes locally on your machine until your are ready to push your changes to an online repository. In a centralized VCS like Subversion, commits are done on a central server.

A possible issue with systems like SVN is that when the online repository/server goes down, you can't commit your work until the server comes back online. With Git, that problem goes away as all commits are done locally first. Git also allows us to use multiple repositories and synchronize work between them if we wanted to. This creates greater freedom when it comes to setting up development workflows.

Webtech 2: notes

These are extra notes, links and references used to supplement a course I teach at Interactive Multimedia Design (<http://www.weareimd.be>) at Thomas More university college Mechelen.

Students and readers are encouraged to participate and optimize these course materials by sending a GIT pull request.

Reusing parts of this course is allowed and encouraged as long as the following attribution and links are kept intact:

Licensing and attribution

Course material created by [GoodBytes](#) for professional bachelor degree [Interactive Multimedia Design](#) at [Thomas More](#) Mechelen in Belgium.

Markdown

You may have noticed that this course is published on github in a file called README.md. By default, GitHub will display the contents of a README.md file on a repository's landing page. See the extension .md? That stands for [markdown](#).

Markdown is a super simple way to add formatting to text, without having to use complex and irritating word processing software. It gives you a lot of freedom to do whatever you want with your documents, like converting it to HTML.

- <http://daringfireball.net/projects/markdown/>
- <https://help.github.com/articles/markdown-basics>
- <https://help.github.com/articles/github-flavored-markdown>

Social coding with Git

What is git

Git is a version control system or VCS. Another famous version control system is SVN or Subversion. A version control system makes it easier to collaborate on projects in teams, especially when a project consists of source code like PHP, HTML, ..

Git is a distributed VCS while Subversion is a centralized VCS. When using a distributed VCS like Git, you commit your changes locally on your machine until your are ready to push your changes to an online repository. In a centralized VCS like Subversion, commits are done on a central server.

A possible issue with systems like SVN is that when the online repository/server goes down, you can't commit your work until the server comes back online. With Git, that problem goes away as all commits are done locally first. Git also allows us to use multiple repositories and synchronize work between them if we wanted to. This creates greater freedom when it comes to setting up development workflows.

iamgoodbytes/2imd-webtech2-notes · GitHub
GitHub, Inc. github.com/iamgoodbytes/2imd-webtech2-notes

iamgoodbytes/2imd-webtech2-notes · GitHub

This repository Search or type a command Explore Features Enterprise Blog Sign up Sign in

PUBLIC iamgoodbytes / **2imd-webtech2-notes** Star 1 Fork 3

22 commits 1 branch 0 releases 2 contributors

branch: master 2imd-webtech2-notes /

Reordered topics ...
iamgoodbytes authored 16 minutes ago latest commit 4c53d003f3
.gitignore added read me a month ago
README.md Reordered topics 16 minutes ago

README.md

Webtech 2: notes

These are extra notes, links and references used to supplement a course I teach at Interactive Multimedia Design (<http://www.weareimd.be>) at Thomas More university college Mechelen.

Students and readers are encouraged to participate and optimize these course materials by sending a GIT pull request.

Reusing parts of this course is allowed and encouraged as long as the following attribution and links are kept intact:

Licensing and attribution

Code Issues 0 Pull Requests 0 Pulse Graphs Network

HTTPS clone URL <https://github.com/>
You can clone with HTTPS or Subversion.

Clone in Desktop Download ZIP

Mou – Markdown editor for web developers, on Mac OS X

mouapp.com

Mou – Markdown editor for web developers, on Mac OS X

MOU The missing Markdown editor for web developers

Download Donate Release Notes MouStand Smaller Resize

Everything you need to build
HTML5 sites & mobile apps.
Get your free trial now!

Kendo UI
THE WAY OF HTML5

Fusion Advertisement

Mou

![Mou icon](http://mouapp.com/Mou_128.png)

Overview

Mou, the missing Markdown editor for *web developers*.

Syntax

Strong and Emphasize

**** or strong (Cmd + B)**

emphasize or emphasize (Cmd + I)

*Sometimes I want a lot of text to be bold.
Like, seriously, a LOT of text*

Blockquotes

> Right angle brackets > are used for block quotes.

Links and Email

An email <example@example.com> link.

Simple inline link <<http://chenluois.com>>, another inline link [Smaller](http://smallerapp.com), one more inline link with title [Resize](http://resizesafari.com "a Safari extension").

A [reference style][id] link. Input id, then anywhere in the doc, define the link with corresponding id:

[id]: <http://mouapp.com> "Markdown editor on Mac OS X"

730 Words

Mou



Overview

Mou, the missing Markdown editor for web developers.

Syntax

Strong and Emphasize

strong or strong (Cmd + B)

emphasize or emphasize (Cmd + I)

Sometimes I want a lot of text to be bold. Like, seriously, a LOT of text

Blockquotes

“

Right angle brackets > are used for block quotes.

JSON

creating objects

```
// using the Object constructor method
var steve = new Object();
steve.firstName = "Steve";
steve.lastName = "Jobs";
steve.breathes = function(){
    console.log(this.firstName + ' is breathing!');
}
```

```
// a shortcut, called Object Literal
var steve = {
    'firstName': "Steve",
    'lastName': "Jobs",
    'breathes': function(){
        console.log(this.firstName + ' is breathing!');
    }
}
```

remember DRY?

there is no such thing as *class* in
Javascript, use functions instead

oh wait, since ECMAScript 6 there is, but it's syntactical sugar over
prototype-based inheritance: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Classes>

functions

- three ways to create a function
- use the last notation

```
var speak = new Function('what', 'alert(what)');
function speak(what){ alert(what) };
var speak = function(what){ alert(what); };
```

```
var Person = function(){  
};
```

```
var steve = new Person();  
var bill = new Person();
```

constructors exist as well as
function arguments

```
var Person = function(firstName, lastName){  
    this.firstName = firstName;  
    this.lastName = lastName;  
};
```

```
var steve = new Person("Steve", "Jobs");  
var bill = new Person("Bill", "Gates");
```

adding functions to objects can
be done by adding ... functions

```
var Person = function(firstName, lastName){  
    this.firstName = firstName;  
    this.lastName = lastName;  
  
    this.sayName = function(){  
        alert('Hi, my name is ' + this.firstName);  
    }  
};
```

```
var steve = new Person("Steve", "Jobs");  
var bill = new Person("Bill", "Gates");  
steve.sayName();  
bill.sayName();
```

let's talk about prototypes
and prototypical inheritance

```
var Person = function(firstName, lastName){  
    this.firstName = firstName;  
    this.lastName = lastName;  
};
```

```
Person.prototype.sayName = function(){  
    alert("hi my name is " + this.firstName);  
}
```

```
var steve = new Person("Steve", "Jobs");  
var bill = new Person("Bill", "Gates");  
steve.sayName();  
bill.sayName();
```

prototype can be seen as the
reference to the base class

what about inheritance?

```
var Person = function(naam, leeftijd)
{
    this.naam = naam;
    this.leeftijd = leeftijd;

    this.sayname = function(){
        console.log("hi my name is " + naam);
    };
}

var Student = function(naam, leeftijd, studies)
{
    this.prototype = new Person(naam, leeftijd);
    this.studies = studies;

    this.sayname = function(){
        this.prototype.sayname();
        console.log("I study " + this.studies);
    }
}

var jorre = new Person("Alice", 33);
var willy = new Student("Steve", 22, "IMD");
jorre.sayname();
willy.sayname();
```



hi my name is Alice
hi my name is Steve
I study IMD

AJAX

- Asynchronous Javascript And XML (we'll use JSON instead)



You are posting, commenting, and liking as We Are IMD — Change to Joris Hens



We Are IMD Timeline Recent

 Create Post

Admin Panel

Promote Page

Recent

2014

2013

Highlights

Status

Photo / Video

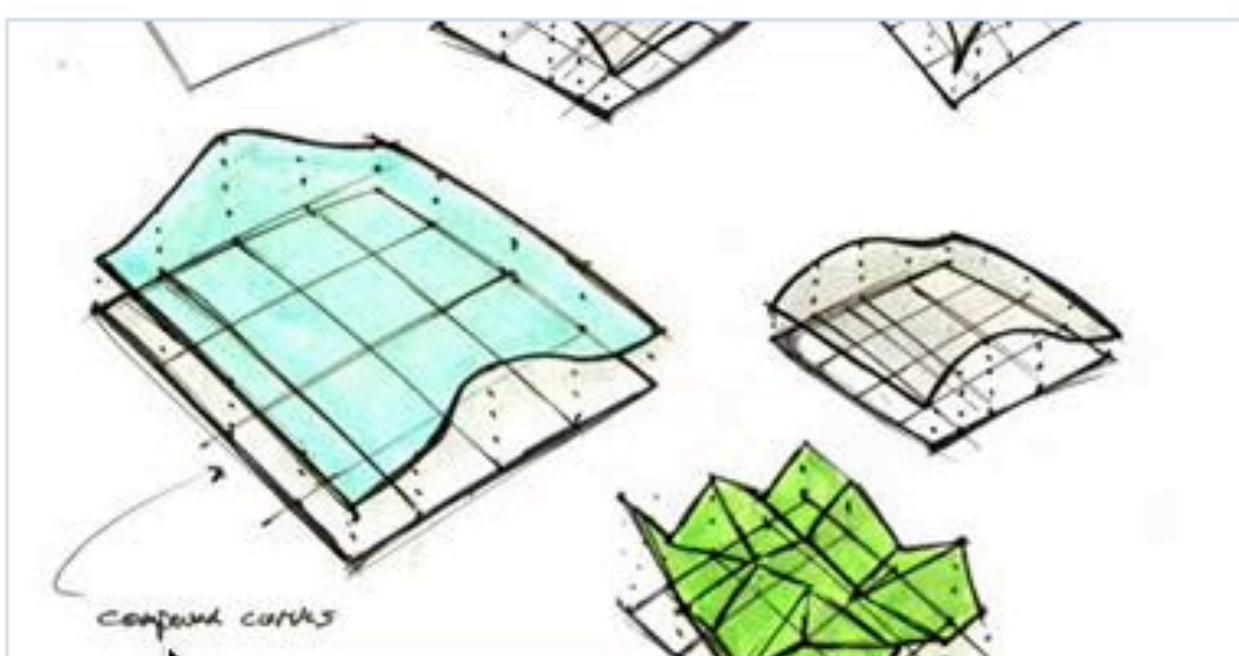
Event, Milestone +

What have you been up to?



We Are IMD shared a link.

Posted by David Heerinckx [?] · 3 hours ago

**Why I Sketch Every Day**
medium.com

And why you should too

Like · Comment · Share

2 people like this.



Write a comment...

214 people saw this post

Boost Post

14 Friends

Like We Are IMD



Invite Your Friends to Like This Page

See All

Type a friend's name...

Invite



Daphne Witteveen

Invite

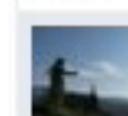
X



Anneke Verbelen

Invite

X



Bart Van Thillo

Invite

X

Likes



designosource

4 friends also like this.



idealabs

5 friends also like this.



We Are IMD shared a link.

Posted by Joris Hens [?] · 18 hours ago

Autorijden is binnenkort wellicht niet meer hetzelfde nu Apple CarPlay uitbrengt. iOS en apps op je dashboard, goed nieuws voor IMDers met een innovatief idee!

Elements Network Sources Timeline Profiles Resources Audits Console PageSpeed Terminal

<top frame> ▾ <page context>

>

XMLHttpRequest()

```
xmlhttp = new XMLHttpRequest();
xmlhttp.open("GET", "https://data.irail.be/NMBS/Stations.json");
xmlhttp.send();
```

Vanilla Javascript

```
<script>
    xmlhttp = new XMLHttpRequest();
    xmlhttp.open("GET", "http://datasets.antwerpen.be/v4/gis/
openbaartoilet.json");
    xmlhttp.send();

    xmlhttp.onreadystatechange = function() {
        if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
            // convert string to JSON
            var response = JSON.parse(xmlhttp.responseText);
            console.log(response); // log the response
        }
    }
</script>
```

Vanilla JS

- no dependency on (large) frameworks
- watch out for browser inconsistencies
 - mostly ok for IE8+
- <http://youmightnotneedjquery.com>

jQuery

jQuery

```
$.get('http://datasets.antwerpen.be/v4/gis/glascontainer.json',
function(response) {
    console.log(response);
});
```

<https://api.jquery.com/jQuery.get/>

jQuery

```
var jqxhr = $.ajax( "example.php" )
  .done(function() {
    alert( "success" );
  })
  .fail(function() {
    alert( "error" );
  })
  .always(function() {
    alert( "complete" );
  });

```

<https://api.jquery.com/jQuery.ajax/>

jQuery

- takes care of browser inconsistencies (jQuery 1.x)
but requires a dependency
- jQuery 2.x doesn't take care of IE 6/7/8 so here
the advantage is less obvious
- easy to use syntax and documentation
- ask yourself what you expect and need from
jQuery

What we'll be using

- any public API
- jQuery
- html5 localStorage to cache API responses
- CSS animations to make our application more interactive
- [optional] a CSS framework to quickly put together a working prototype

Same-origin policy

XMLHttpRequest cannot load <http://api.irail.be/stations?format=json>. No 'Access-Control-Allow-Origin' header is present on the requested resource. Origin 'null' is therefore not allowed access.

- for security reasons scripts on one domain cannot interact with pages on another domain

Same-origin policy

- chrome tab 1: you have opened www.imd.com
- chrome tab 2: you have opened www.gmail.com
- you don't want Javascripts from imd.com to simply interact with or change emails on www.gmail.com as that would compromise security
- **but** this is ignored for <script> tags, remember how you load up jQuery from a CDN which is on another domain?

JSONP

- JSON *with padding*
- add a script tag to your page and let it execute a function wrapping incoming data
- typically, a function name is used as a callback parameter
- e.g. api <http://www.weather.com/mechelen> might return some data like { "zip": "2800", "city": "Mechelen", "min": "15", "max": "20"}
- with JSONP, the URL would look like <http://www.weather.com/mechelen?callback=SomeCallback>
- this in turn returns SomeCallback({ "zip": "2800", "city": "Mechelen", "min": "15", "max": "20"})
- this can now be executed by your callback function like SomeCallback = function(data){ alert(data.zip);}

JSONP

- when using jQuery, simply add *dataType: jsonp* to your ajax call.
Look that up.
- <https://api.jquery.com/jQuery.ajax/>

JSONP drawbacks

- only GET requests are possible, no POST requests
- is the response secure?

CORS

- <http://www.html5rocks.com/en/tutorials/cors/>
- an alternative to JSONP
- IE7+
- many API's don't support it yet

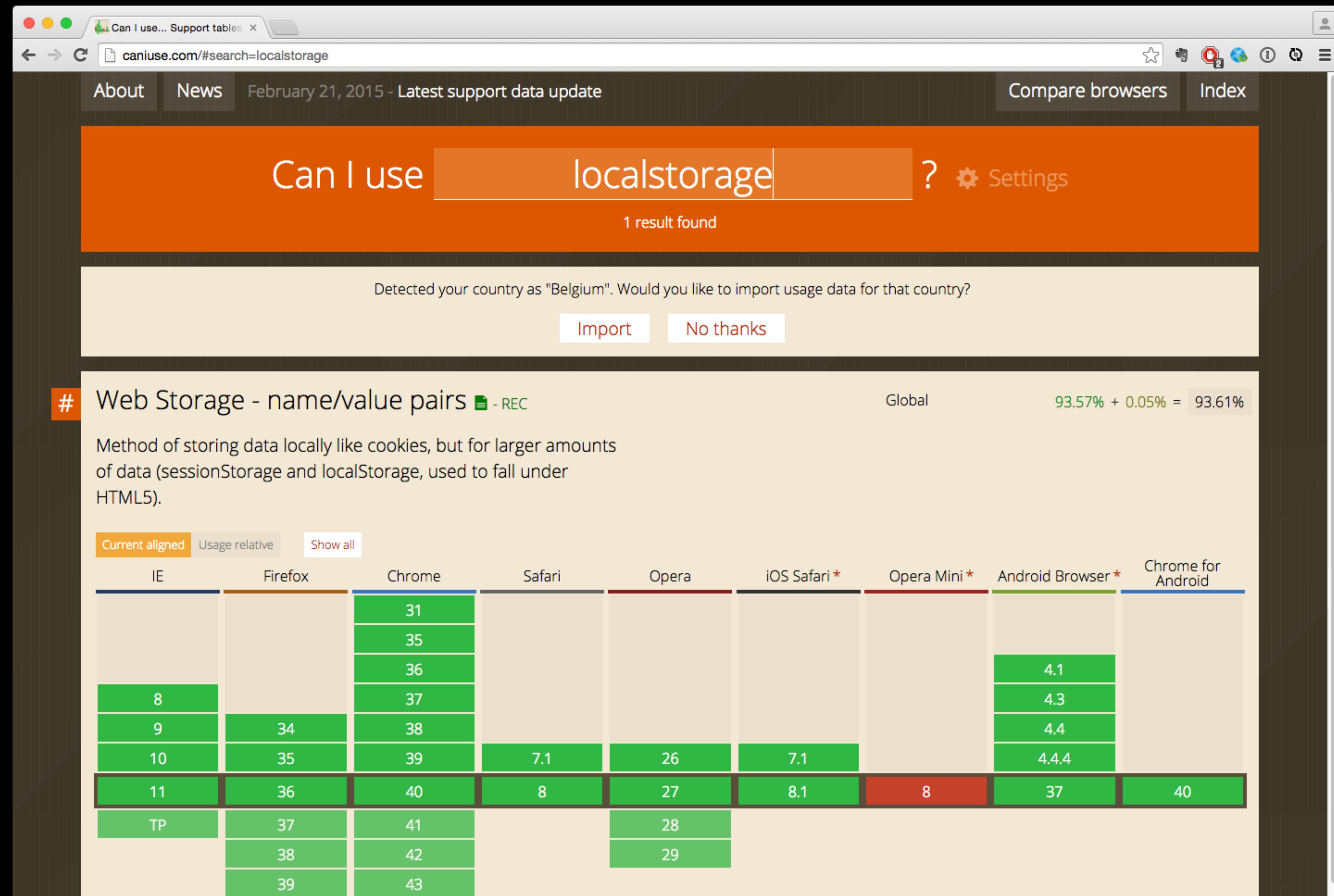
localStorage

```
localStorage.setItem("weather", response);  
var weather = localStorage.getItem("weather");
```

- localStorage allows us to save data locally
- cookies also work but can contain much less data and are transmitted to the server with every request, we don't want that overhead
- perfect for e.g. caching API calls!

localStorage

- cookies can be read by your server (remember `$_COOKIES` in php)
- localStorage is client-side only
- cookies can store around 4kb
- localStorage can store up to 5MB per domain
- browser support is pretty decent (caniuse.com)



IndexedDB (future)

- high-performance NoSQL-like data store
- pretty much everything you can expect from a good database system
- client-side
- but ... it's very new and isn't supported yet on all (mobile) browsers

Marvel.com User Registrati × Marvel Developer Portal × Can I use... Support tables ×

caniuse.com/#search=index

About News May 12, 2015 - Feature suggestions now handled by GitHub issues Compare browsers Index

Can I use index ? Settings

6 results found

Detected your country as "Belgium". Would you like to import usage data for that country?

Import No thanks

IndexedDB REC

Method of storing data client-side, allows indexed database queries.

Global unprefixed:

61.01% + 19.05% = 80.05%
60.89% + 18.74% = 79.63%

| | IE | Edge | Firefox * | Chrome | Safari | Opera | iOS Safari * | Opera Mini * | Android Browser * | Chrome for Android |
|----|----|------|-----------|--------|--------|-------|--------------|--------------|-------------------|--------------------|
| 8 | | | | 45 | | | | | 4.3 | |
| 9 | | | | 46 | | | | | 4.4 | |
| 10 | | | 43 | 47 | | | 8.4 | | 4.4.4 | |
| 11 | 1 | 13 | | 44 | 48 | 9 | 34 | 9.2 | 8 | 47 |
| | 1 | 14 | | 45 | 49 | 9.1 | 35 | 9.3 | | 47 |
| | | | | 46 | 50 | | 36 | | | |
| | | | | 47 | 51 | | | | | |

Notes Known issues (3) Resources (9) Feedback

geolocation

- browsers can get the current location of a user with one line of Javascript
- >IE8
- works great on most mobile devices, perfect for building location based apps in Javascript

```
navigator.geolocation.getCurrentPosition(success, error);
```

Google gets patent for weather-aware advertising (Wired UK)

www.wired.co.uk/news/archive/2012-03/22/google-weather-ads

Reader

WIRED.CO.UK

FOLLOW ▾



NEWS ▾

Topics /

TECHNOLOGY

GOOGLE

ADVERTISING

WEATHER

SOUNDS

TEMPERATURE

PATENTS

PHONES



12 issues + FREE ACCESS on iPad, iPhone & Kindle Fire

SUBSCRIBE

Flash out-of-date →

Google gets patent for weather-aware advertising

TECHNOLOGY / 22 MARCH 12 / by MARK BROWN ↗

Google may be looking to advertise air conditioners to you when you're feeling hot, or point you towards a shop selling winter overcoats when it gets chilly outside.

Flash out-of-date →

The search giant has been awarded a patent called "advertising based on environmental conditions," which would use a device – a mobile phone, or





INTERACTIVE API TESTER

The panel below displays documentation all endpoints, parameters and error messages available to the Marvel API. For a more detailed explanation of API structure, please read the full [full documentation](#).

If you have an API key, you can also test API calls directly from this panel. Just log-in to your Marvel account and your key will be pre-filled. (If you don't have a key, [get one now.](#))



public :

Show/Hide | List Operations | Expand Operations | Raw

GET /v1/public/characters Fetches lists of characters.

GET /v1/public/characters/{characterId} Fetches a single character by id.

GET /v1/public/characters/{characterId}/comics Fetches lists of comics filtered by a character id.

GET /v1/public/characters/{characterId}/events Fetches lists of events filtered by a character id.

GET /v1/public/characters/{characterId}/series Fetches lists of series filtered by a character id.

GET /v1/public/characters/{characterId}/stories Fetches lists of stories filtered by a character id.

MY DEVELOPER ACCOUNT

Here's your personal Marvel Comics API information:

Your public key

4476c1a2628dsfgdfsgdfgcb75584124d64e

Your private key

416f30c030923asdqfklskldfjlkjsdjfk6701df410c0ae5415f

Read more about how to use your keys to sign requests. »

Your rate limit:

1000

calls/day

Number of calls your
application can make per day.

Your authorized referrers

List any domains that can make calls to the Marvel Comics API using your API key here:

developer.marvel.com

[delete](#)

localhost

[delete](#)

192.168.1.102

[delete](#)

[add a new referrer](#)

API calls through javascript need to pass
the ?apikey=... parameter with every request

caching with local storage would be
good to circumvent this

developing on your localhost/server?
add the domain to the authorised
referrer list

Tips

- run your prototype on a server, like localhost/
- if you just open your html page in your browser via *file://* an API like Marvel's will not work because they ask you to white-list domain names (e.g.localhost)
- use fastclick.js if you want to remove the *300ms syndrome*

fastclick.js

- <https://github.com/ftlabs/fastclick> = AWESOME
- removes the 300ms delay on mobile devices
- some browsers are already adapting their default behaviour when detecting viewport tag
- without this, mobile devices often wait for a double click, which can happen in up to 300ms after clicking the first time

“use strict”

- in short, using strict mode in ECMAScript 5 and up will prevent you from doing stupid stuff in javascript
- watch out when concatenating scripts!

“use strict”

- in short, using strict mode in ECMAScript 5 and up will prevent you from doing stupid stuff in javascript
- it has different semantics than *normal mode* code
- “use strict”;
- watch out when concatenating scripts, other non-strict scripts may be affected, let’s see how to keep this within our own scope
- <http://jslinterrors.com/use-the-function-form-of-use-strict> !

“use strict”

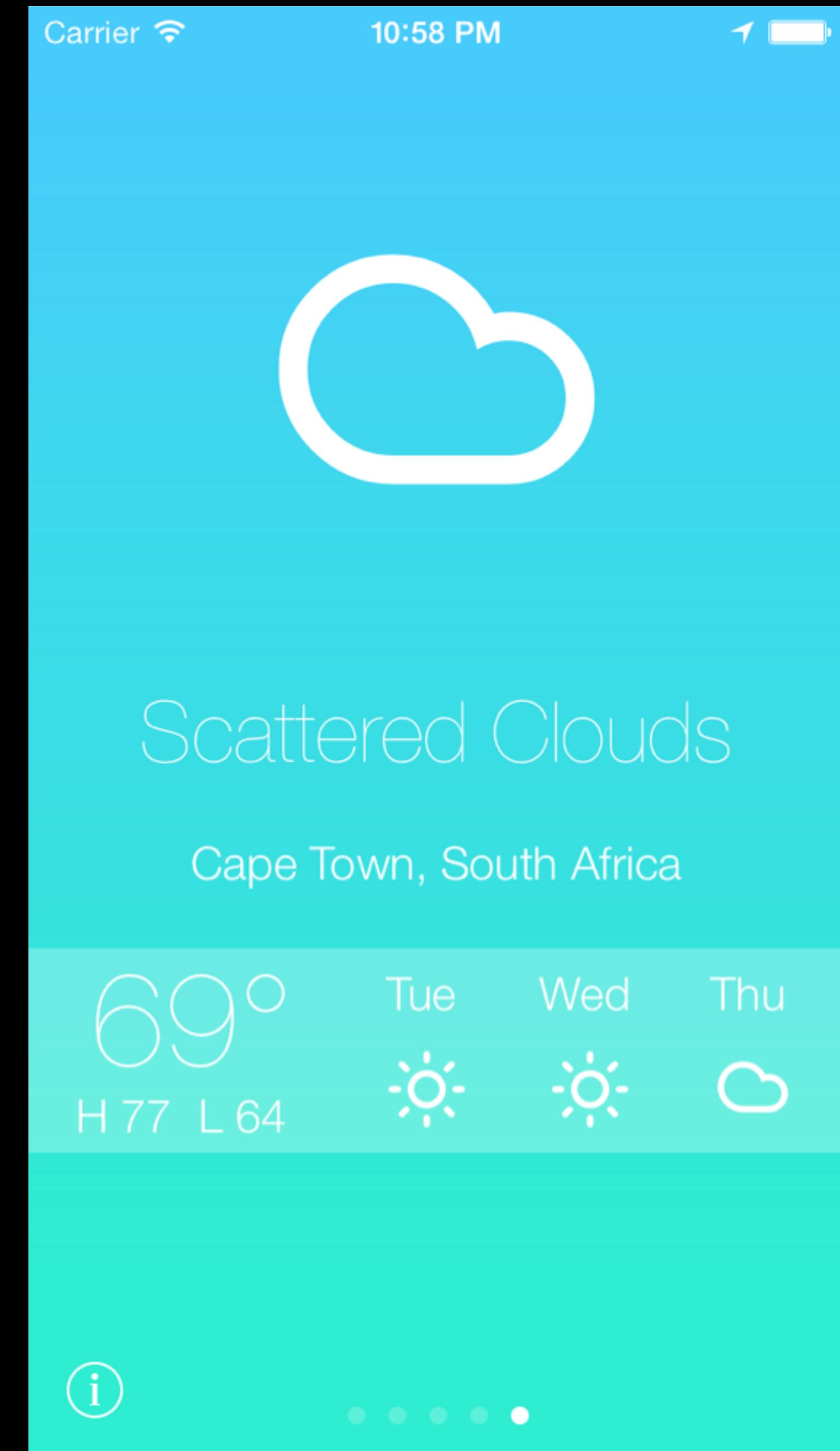
```
(function () {  
    "use strict";  
}());
```

Must read articles

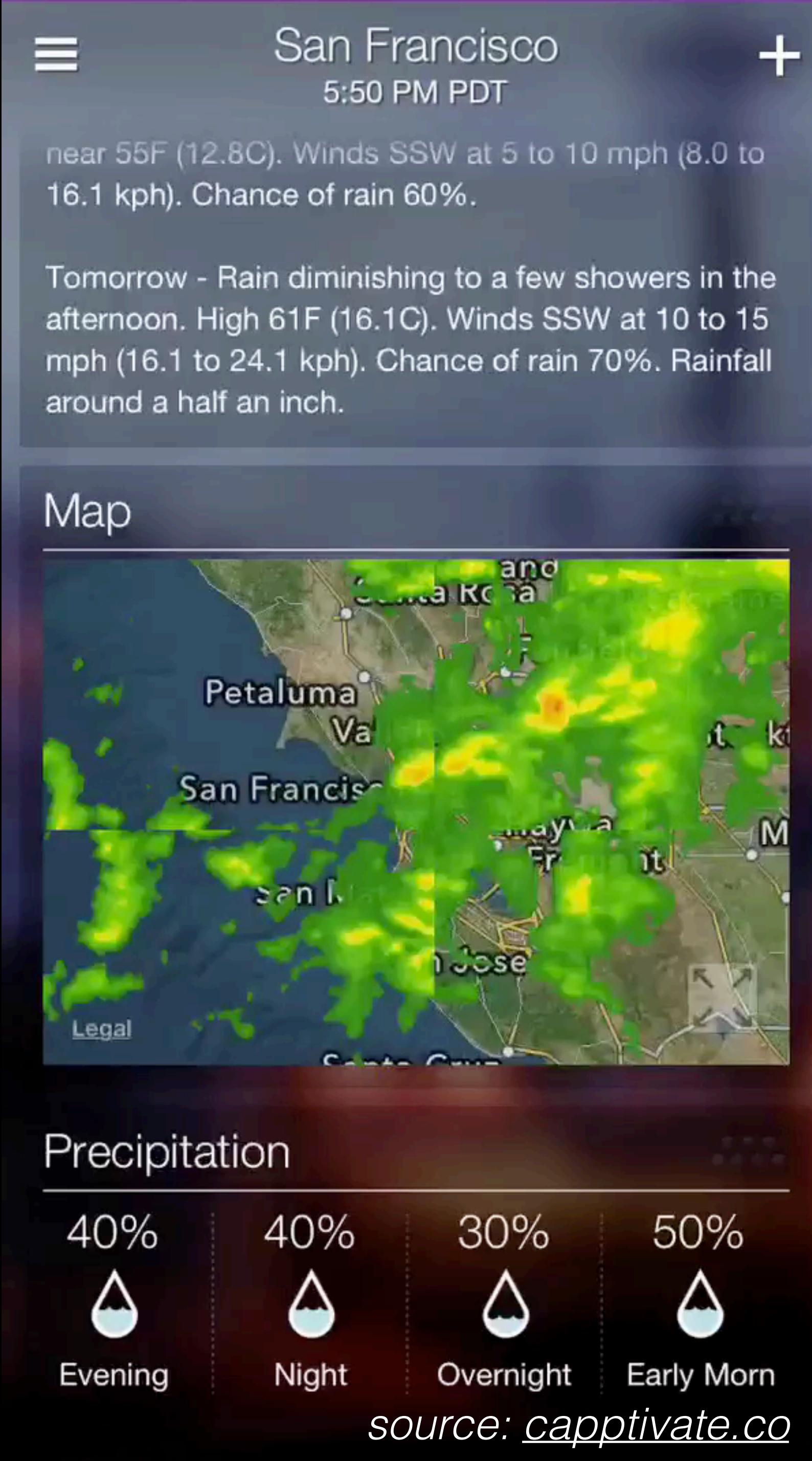
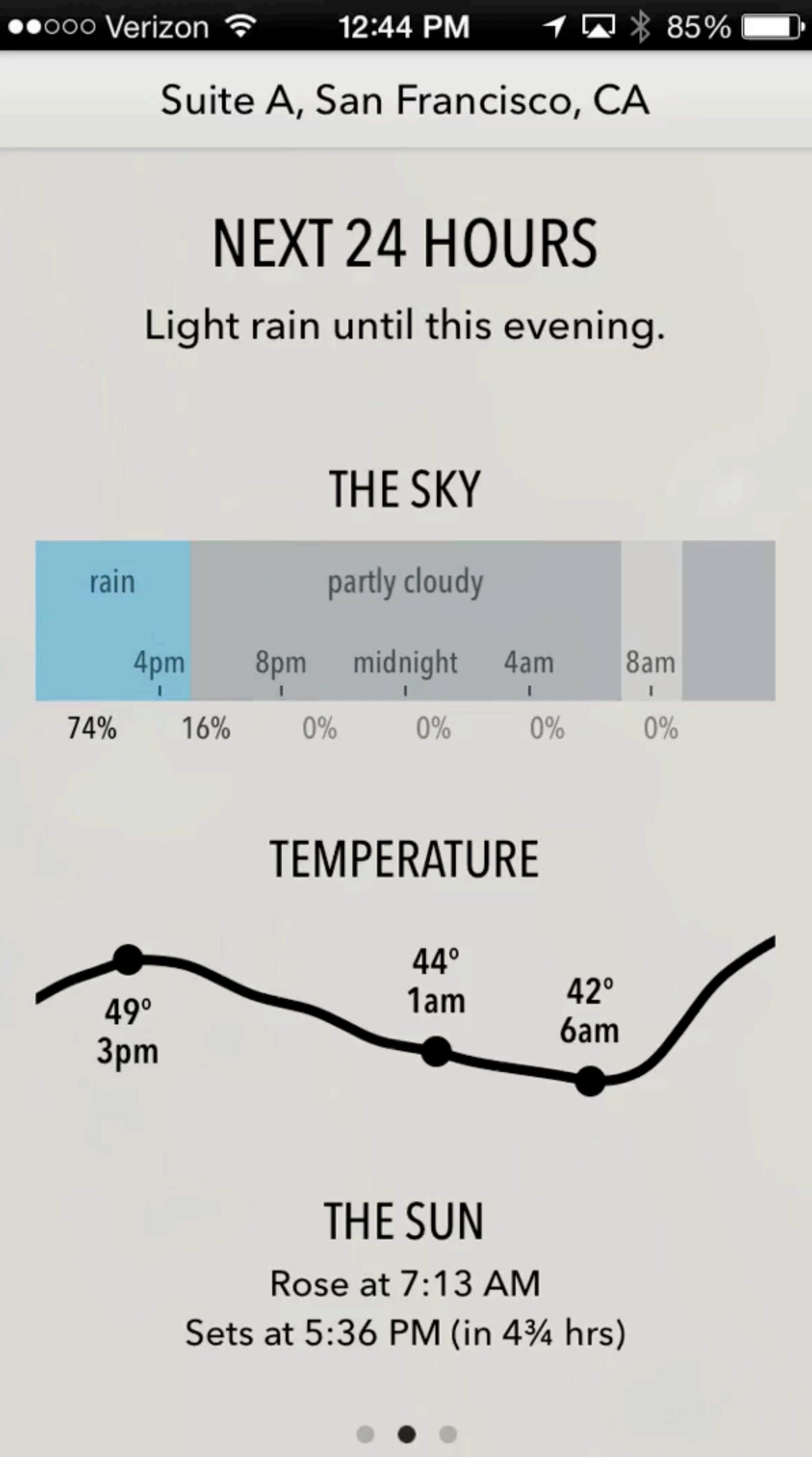
- <http://jslinterrors.com/use-the-function-form-of-use-strict>
- <http://insideintercom.io/the-dribblisation-of-design/>
- http://en.wikipedia.org/wiki/Same-origin_policy
- <http://en.wikipedia.org/wiki/JSONP>
- <http://stackoverflow.com/questions/2067472/what-is-jsonp-all-about> (read the marked answer)
- <http://diveintohtml5.info/storage.html>

Your app prototype

- use developer.forecast.io (using jsonp will be required)
- use HTML5 geolocation to determine your current location
- when the user opens your app, make sure your interface clearly shows what the weather will be like *tomorrow*
- use html5 local storage to store cached data (only refresh every 1 hour or so to avoid breaking API limits)
- use jQuery and combine this with your own prototypes like Weather(). Use the principles of prototypical inheritance as much as you can.



San Francisco
11:29 AM PDT



SOLAR – Weather has never been cooler. Available now in the iOS App Store.

SOLAR – Weather has never been cooler. Available now in the iOS App Store.

S°LAR

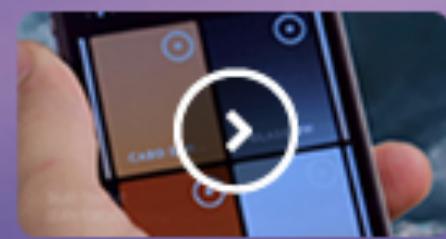
Weather has never been cooler.



Get the app



Watch the ad



7:32 PM
JUNE 7
CLEAR

65°

Pin it

1

Tweet

1,922

Like

1.8k

5:40



Rennes



Saturday 19h

17 km/h

14°

0.0 mm

20°

Nice Weather for Android

13°

5:41



San Francisco



Saturday 8 am

2 mph

57°

0.0 in

77°

52°

Rennes



Saturday 13h

24 km/h

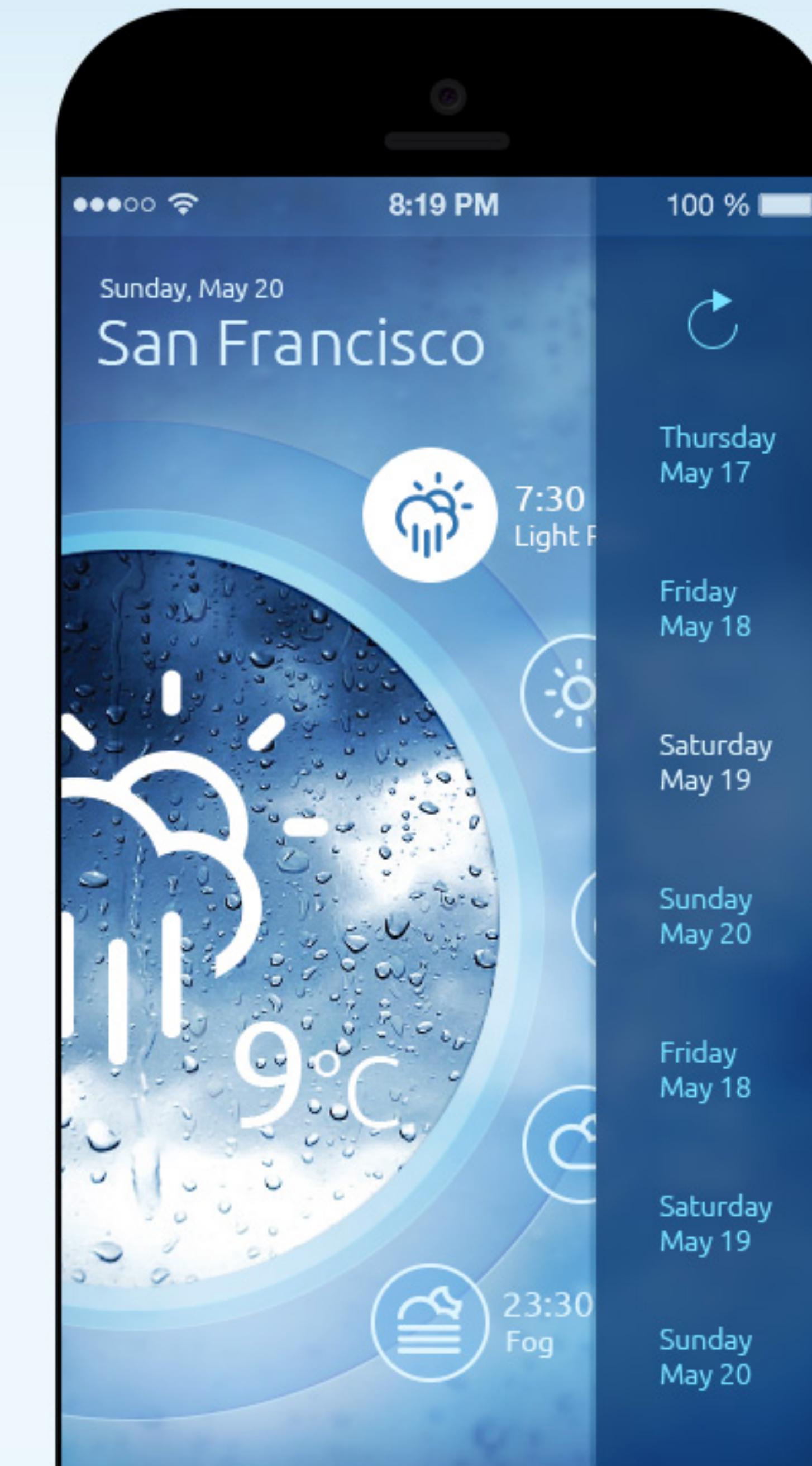
19°

1.9 mm

20°

13°

5:44



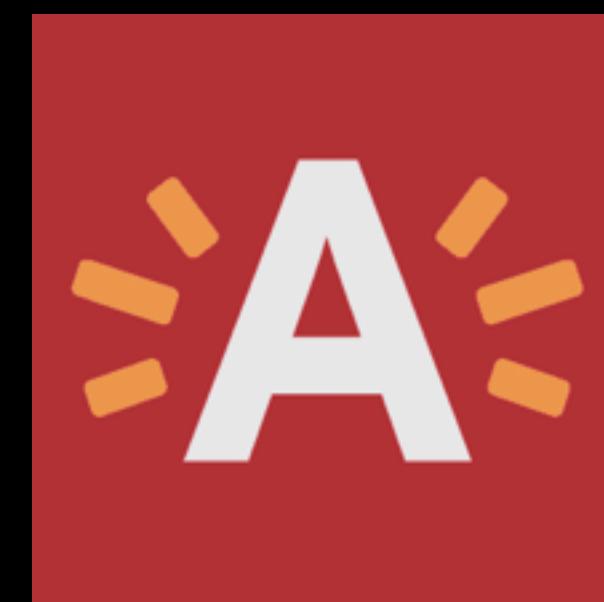


To pass this level, you

- have read the articles from the Must Read section
- have built the working prototype described in the previous slides
 - that means your code passes JSLint in strict mode!
 - and that you have used the principles of prototypical inheritance as much as possible in your code architecture !
- have pushed your prototype to your GitHub repository



iRail API's



Genderize.io | An API for determining the gender of a first name.

genderize.io

Reader

Donate

[Twitter](#)

[Facebook](#)

Overview

Single Usage

Multiple Usage

Localization

Responses and Errors

Extensions

Follow Along

Comments

ma [Consume API](#)

Overview

Genderize.io is an API service that will provide a probabilistic guess on the gender of a first name, along with a certainty factor. It utilizes big datasets of information, from user profiles across major social networks. This can be useful for analytics, ad targeting, user segmenting etc.

To achieve more qualified guesses, it is also possible to use [localization](#) filters to retrieve a guess based only on data for a certain country or language.

At the moment, the database contains **65893** distinct names across **72** countries and **76** languages.

The API is free, but limited at 5.000 requests/day. If you need more requests or you want to buy the data outright, you should feel free to get in [contact](#).

All requests are sent to the following base URL using GET.

```
GET http://api.genderize.io
```

Single Usage

An example of genderizing a single name could look like this.

```
GET http://api.genderize.io?name=peter
```

This would render a JSON response like the following. The count represents the number of data entries examined in order to calculate the response.

```
{"name": "peter", "gender": "male", "probability": "1.00", "count": 281}
```

POLO Street-level crimes | data.police.uk 26 Weather APIs, 12 Suppo New Tab

data.police.uk/docs/method/crime-street/ ⌂ ⓘ

DATA.POLICE.UK

Cymraeg

Home Data API Changelog Contact About

[Home](#) > [Police API Documentation](#) >

Street-level crimes

Crimes at street-level; either within a 1 mile radius of a single point, or within a custom area.

IMPORTANT NOTE: The street-level crimes returned in the API are only an approximation of where the actual crimes occurred, they are NOT the exact locations.

Request parameters

Specific point

| | |
|------|--|
| lat | Latitude of the requested crime area |
| lng | Longitude of the requested crime area |
| date | Optional. (YYYY-MM) Limit results to a specific month. |

API Methods

NUMBERSAPI

An API for interesting facts about numbers

MATH

numbersapi.com/5/math

5 is the number of platonic solids.

TRIVIA

numbersapi.com/42

42 is the number of little squares forming the left side trail of Microsoft's Windows 98 logo.

DATE

numbersapi.com/3/6/date

March 6th is the day in 1788 that the First Fleet arrives at Norfolk Island in order to found a convict settlement.

Try it out!

numbersapi.com/42

0 0 4 2

42 is the number of US gallons in a barrel of oil.

RANDOM

random/trivia

random/year

random/date

random/math

```
.ed"" "" "" "" ""$ $$ $be.  
- " ^ "" ** $ $ $e.  
. " '$ $ $c  
/ " 4 $ $ b  
d 3 $ $ $ $  
$ * . $ $ $ $ $ $  
. $ ^ c $ $ $ $ e $ $ $ $ $ $ $ $ $ .  
d $ L 4 . 4 $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ b  
$ $ $ $ b ^ c e e e e . 4 $ $ E C L . F * $ $ $ $ $ $ $  
e $ " = . $ $ $ $ P d $ $ $ $ F $ $ $ $ $ $ $ $ - $ $ $ $ $ $  
z $ $ b . ^ c 3 $ $ $ F $ $ $ $ b $ $ $ $ $ $ $ $ $ $ $ $ * . = " $ c  
4 $ $ $ $ L $ $ P " $ $ b . $ $ $ $ $ $ . . e $ $ . = e $ $ $.  
^ * $ $ $ $ $ c % .. * c . . $ $ 3 $ $ $ $ $ $ $ $ $ $ e F z P d $ $ $ $ $  
" * $ $ $ $ e c " % c e " $ $ $ $ $ $ $ $ $ $ $ $ * . r " = $ $ $ P "  
" * $ b . " c * $ e . * * * d $ $ $ $ $ " L $ $ . d " e $ $ * * "  
^ * $ $ c ^ $ c $ $ $ 4 J $ $ $ $ $ % $ $ $ . e * ". e e P "  
" $ $ $ $ $ $ " '$ = e . . . . $ * $ $ * $ c z $ $ " . . d $ * "  
" * $ $ $ * = % 4 . $ L L $ P 3 $ $ $ F $ $ $ P "  
" $ " % * e b J L z b $ e $ $ $ $ $ b $ P "  
% .. 4 $ $ $ $ $ $ $ $ $ $ " $ $ $ e z $ $ $ $ $ $ $ $ $ $ %  
" * $ c " $ $ $ $ $ $ $ P "  
. " " * $ $ $ $ $ $ $ $ b c  
. - " . $ * * $ $ $ " " * e .  
. - " . e $ " * $ c ^ * b .  
. = * " " " . e $ * " * b c " * $ e ..  
. $ " . z * " ^ * $ e . * * * * e .  
$ $ e e $ c . d " * $ . 3 .  
^ * $ E " ) $ . . $ " * . ee = d %  
$ . d $ $ $ * * J $ $ $ e *  
" " " " " $ $ $ "
```

ARRPI - The Talk like a Pirate translation API

<http://isithackday.com/arrpi.php?text=>

What will you build?