

Primitive Types

- String
- Number
- Boolean
- Null
- Undefined
- Symbol
- Object

Array

- Array is object
- Typeof not working

```
if (!Array.isArray) {
  Array.isArray = function(arg) {
    return Object.prototype.toString.call(arg) === '[object Array]';
  };
}
```

Table 20 — `typeof` Operator Results

Type of <code>val</code>	Result
Undefined	" <code>undefined</code> "
Null	" <code>object</code> "
Boolean	" <code>boolean</code> "
Number	" <code>number</code> "
String	" <code>string</code> "
Object (native and does not implement <code>[[Call]]</code>)	" <code>object</code> "
Object (native or host and does implement <code>[[Call]]</code>)	" <code>function</code> "
Object (host and does not implement <code>[[Call]]</code>)	Implementation-defined except may not be " <code>undefined</code> ", " <code>boolean</code> ", " <code>number</code> ", or " <code>string</code> ".

Hoisting

```
hoisted;  
// undefined  
var hoisted = 1;
```

```
var hoisted  
hoisted;  
hoisted = 1;
```

Hoisting

```
hoisted();  
// logs "foo"
```

```
function hoisted() {  
  console.log("foo");  
}
```

```
notHoisted();  
// TypeError
```

```
var notHoisted = function() {  
  console.log("bar");  
};
```

MVC Web Application

Course 3

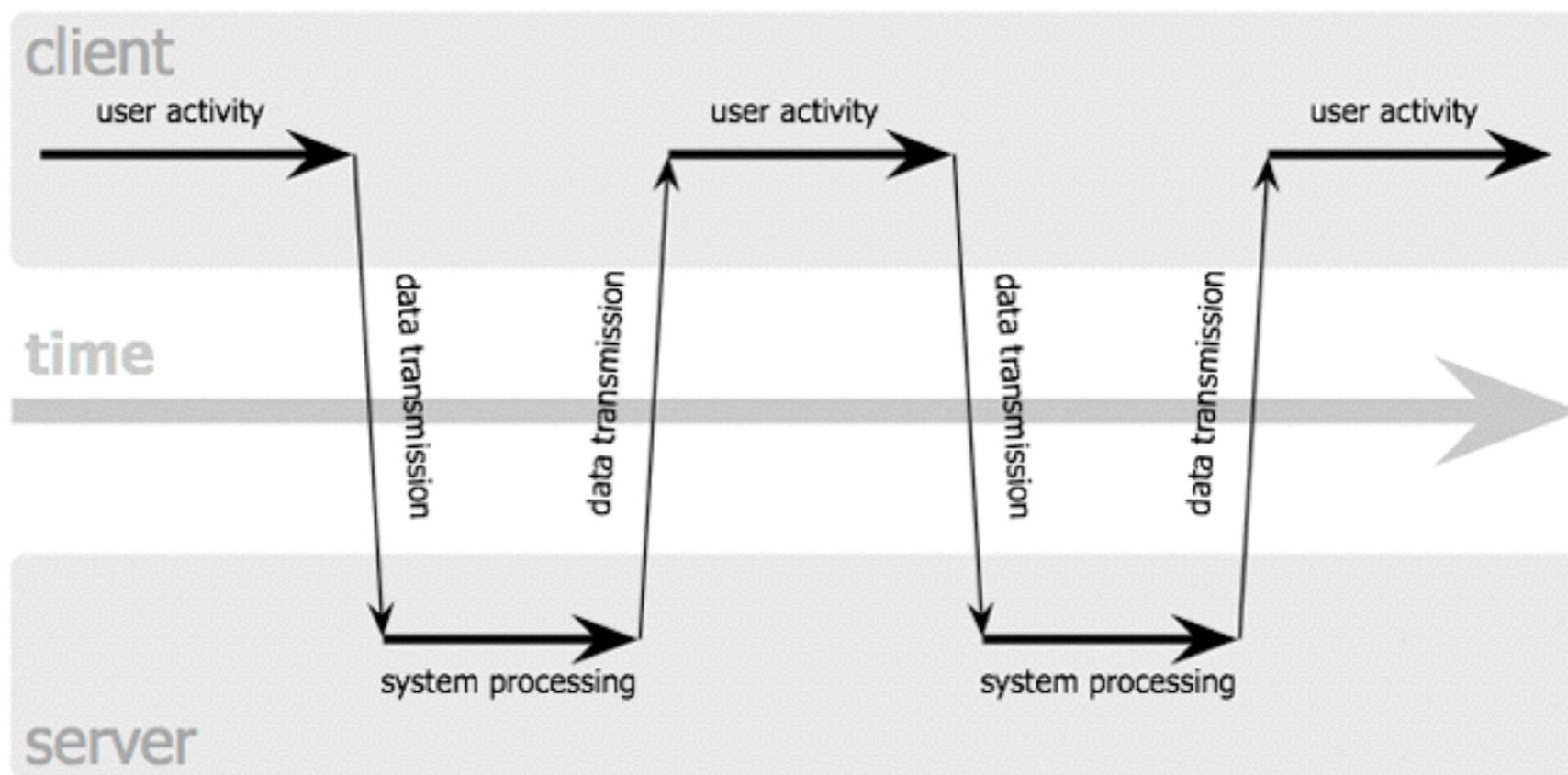
Outline

- Web Application
- MVC
- Underscore
- Backbone
- SMACSS

Traditional Website

- Document, text content
- Link between pages
- Always ask server for entire page

classic web application model (synchronous)





HOME



GAME GUIDE



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FORUMS



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Simple

Advanced

CREATE THREAD

Search this forum...

1 2 3 4 5 6 7 ... 4,616 Next

SUBJECT

AUTHOR

[Sticky] MVPs: Most Valuable Forum Posters

Zarhym

[Sticky] Real-Life Threats

Lyliirra

[Sticky] Magic Find Gear Swapping

1, 2, 3, 4, ... 963 Bashlok

[Sticky] Public Games Matchmaking Clarification

1, 2, 3, 4, ... 24 Lyliirra

[Sticky] Game Limits Re-Enabled

Vaeflare

[Sticky] Blizzard Customer Support Now on Facebook

Rygarlius

[Sticky] Welcome! Please Read

Daxxarri

[Sticky] Annual Pass, DIII C.E. Upgrade - UPDATE

Crithto

[Sticky] Message from Mike Morhaime

1, 2, 3, 4, ... 122 Nethaera

JAY WILSON'S GMAIL INBOX

1, 2, 3, 4, ... 6 Lakeshore

Impressive items may not always drop but...

GorMehn

Act 2 Goblin Farming group! 250+% MF

Crow

Is wizard bug still working

ENTRAPMENT



HOME



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TOPIC

(STICKY LOCKED) MVPS: MOST VALUABLE FORUM POSTERS



ADD A REPLY



Zarhym ▾

Community Manager

It's been quite a while since we've shared information regarding our forum MVP program. If you frequent Blizzard forums you've no doubt seen jade text stamped across threads here and there. Those with the power to wield green words are regular players – just like you – who've been recognized for their contributions to the forums in one way or another. And since we want to provide these player advocates with the resources they need to continue being awesome posters, MVPs have direct lines of contact with Blizzard community managers.

#1

2/9/2012

Now the time has come to bolster the MVP ranks. Those chosen for the program aren't official representatives of Blizzard, and they don't have to agree with every decision we make. They also aren't expected to give up their posting personas in order to join. Our goal is to find frequent posters who are a positive influence on the gaming community in some form, whether it be through posting strategy guides or tips on various aspects of gameplay, or even just bringing a positive and constructive tone to the forums when socializing with their peers.

If you or someone you know fits the description of a Most Valuable Poster as laid out in the MVP FAQ, email us at MVPs@Blizzard.com. We select MVPs based on a large set of criteria, so don't be discouraged from putting your name out there if you only post on, say, the Protoss Discussion or DPS Class Role forums. MVPs are welcome to post wherever they're comfortable, including across the Diablo III, StarCraft II, and World of Warcraft forums.

But remember! The key to being a strong candidate is having a solid posting history. We're always on the lookout for the next shining beacon of good within the community to join the illustrious ranks of our MVPs.

Want to know more about how a Blizzard MVP operates? World of Warcraft MVP Eldacar recently spoke with WoW Insider in this behind-the-scenes interview:

<http://www.wowinsider.com/2012/02/09/behind-the-scenes-with-a-blizzard-forum-mvp-eldacar/>



HOME



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Diablo III > Forums > Gameplay > General Discussion > New Topic

CREATE THREAD



Edit

Preview



othree ▾

SUBMIT

**Please report any Code of Conduct violations, including:**

Threats of violence. We take these seriously and will alert the proper authorities.

Posts containing personal information about other players. This includes physical addresses, e-mail addresses, phone numbers, and inappropriate photos and/or videos.

Harassing or discriminatory language. This will not be tolerated.

Click [here](#) to view the Forums Code of Conduct.

Web Application

- Not limited to document
- A full function application



搜尋郵件

搜尋網頁

顯示搜尋選項
建立篩選器

郵件



封存

垃圾內容

刪除



移至

標籤

更多

通訊錄

第 1 封，共 1 封



工作表

撰寫郵件

收件匣

已加星號

重要郵件

寄件備份

草稿 (1)

垃圾郵件 (1,416)

+ 社交圈

[Imap]/Drafts

[Imap]/Sent

[Imap]/Trash

[Imap]/草稿

[Imap]/寄件備份

Amazon

+ COSCUP

+ EST

Firebug

html-ig-zh

moztw

Notes

Opera

[env-js] Any progress towards EnvJs 1.3?

收件匣 X



參與者



Alex Vincent ajvincent@gmail.com 顯示詳細資料 15:25 (11 分鐘前)



回覆



Hi, Chris. I have been very busy lately, and I just now finished (code-complete, anyway) a prerequisite I had to using a JS-based DOM. It looks like I'll be starting to work with the EnvJS code more directly fairly soon.

I'm writing because it's been almost two years since EnvJS 1.2 was released, and I was wondering if there are plans to release EnvJS 1.3. I also wanted to follow up on earlier conversations about relicensing under Mozilla Public License and the LGPL. Finally, I did send you a couple patches a while back; did those land?

Alex Vincent
San Leandro, CA, USA

—
"The first step in confirming there is a bug in someone else's work is confirming there are no bugs in your own."
— Alexander J. Vincent, June 30, 2001

—
You received this message because you are subscribed to the Google Groups "Env.js" group.
To post to this group, send email to envjs@googlegroups.com.
To unsubscribe from this group, send email to envjs+unsubscribe@googlegroups.com.
For more options, visit this group at <http://groups.google.com/group/envjs?hl=en>.

[回覆](#) [轉寄](#) [邀請Alex Vincent加入即時通訊](#)

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Moko365推出HTML5與瀏覽器開發課程
www.moko365.com

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TWEETS352
正在關注582
關注者

撰寫新推文...

跟隨誰 · 重新整理 · [查看所有](#)

Sylvain Galineau @sgalineau

被 Paul Rouget 及其他人關注

[關注](#)

smallfish515 @smallfish515

被 Toomore 及其他人關注

[關注](#)

L. David Baron @davidbaron

被 Eric A. Meyer 及其他人關注

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#10PeopleWhoMeanALotToMe

#MiMamáMePegaCuando

#HayUnLugarEspecialEnElInfiernoPara

Robsten Is Unbroken

Virtual Hugs for Jessica Sanchez

George Jefferson

Wisin y Yandel Nuestros Idolos

Sherman Hemsley

Follow Scotty McCreery

Grachisa TKM

推文

4 new Tweets



HN Firehose @hnfirehose

The London 2012 Bitcoin Conference: bit.ly/NVbahJ

7分鐘



mattn @mattn_jp

C言語のポインタが分からぬ男子は、パンツの中覗いてみて。見えた物がポインタだよ。

[展開](#)

Ash Wu @hSATAc

說 tinyurl.com/br5opy4 貪財 貪財 plurk.com/p/gx95kf[展開](#)

安倍吉俊 yoshitoshi ABe @abfly

え～ん、お風呂に入れない！ ヘンな間取り大集合！ | roomie - 僕も昔、家に続く道が一本もないアパート紹介された事ある。知らん人の家のガレージに侵入して壁を乗り越えて入る tumblr.co/ZVLqbyQ27olk[展開](#)

Eric Woodward @ericwoodward

Birth to Sixteen. Daily Photographs. bit.ly/MVyyuF[觀看影片](#)

10分鐘



HN Firehose @hnfirehose

How many ways can you slice a URL and name the pieces?:
bit.ly/qFNH6f[展開](#)

13分鐘



HN Firehose @hnfirehose

The world's most expensive coffee: bit.ly/Pgl0ft[展開](#)

13分鐘



HN Firehose @hnfirehose

The world's most expensive coffee: bit.ly/Pgl0ft

13分鐘

Firefox 3 Party: Call for Sponsorship

File Edit View Insert Format Tools Table Help Last edit was made 81 days ago by bobchao

[Comments](#)

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火狐三 之 橫掃全球創紀錄慶生派對

MOZTW: FIREFOX PARTY 3.0

連絡：趙柏強 bobchao@mail.moztw.org

發表首日在台超過七萬網友下載的網頁瀏覽器，粉絲派對即將隆重登場

大會資訊

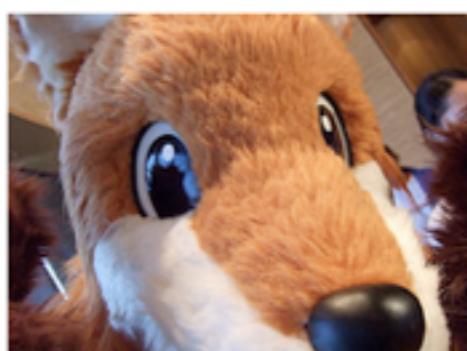
- 時間：2008 年 7 月 19 日 13:30-17:30
- 地點：華碩企業關渡總部

介紹

Mozilla Firefox 是全球最火紅的網頁瀏覽器，速度快、安全、容易自訂的功能深深吸引網路使用者。在全球市佔率達到 20% 的此時，Mozilla 隆重推出 Firefox 3 — Mozilla 史上最強瀏覽器，以眾多新功能要重訂網路體驗新標準。(隨付英文版功能概覽，供您瞭解 Firefox 3 的強大能力。)

Mozilla 在臺灣的社群 MozTW
(<http://moztw.org>) 也依循往年慣例，召集爱好者前來慶祝 Firefox 3 誕生，是為 **Firefox Party 3.0 - 火狐三 之 橫掃全球創紀錄慶生派對**。

往年 Firefox Party 都吸引不少人參加。Firefox 1 時的記者會、研討會及派對本身參與者約有 200 人；Firefox 2 在信義誠品六樓咖啡廳舉辦一個下午的派對，超過 300 位火狐迷前來同歡，更有數十位部落客於網站上發表宣傳文章及迴響。這次的派對將採



[Photo: Othree, CC:by-nc-sa](#)





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Paste **B** *I* U ~~D~~ ABC 123 Number Format Sort & Filter as Table Table Options Insert Delete AutoSum Data Find Share Open in Excel

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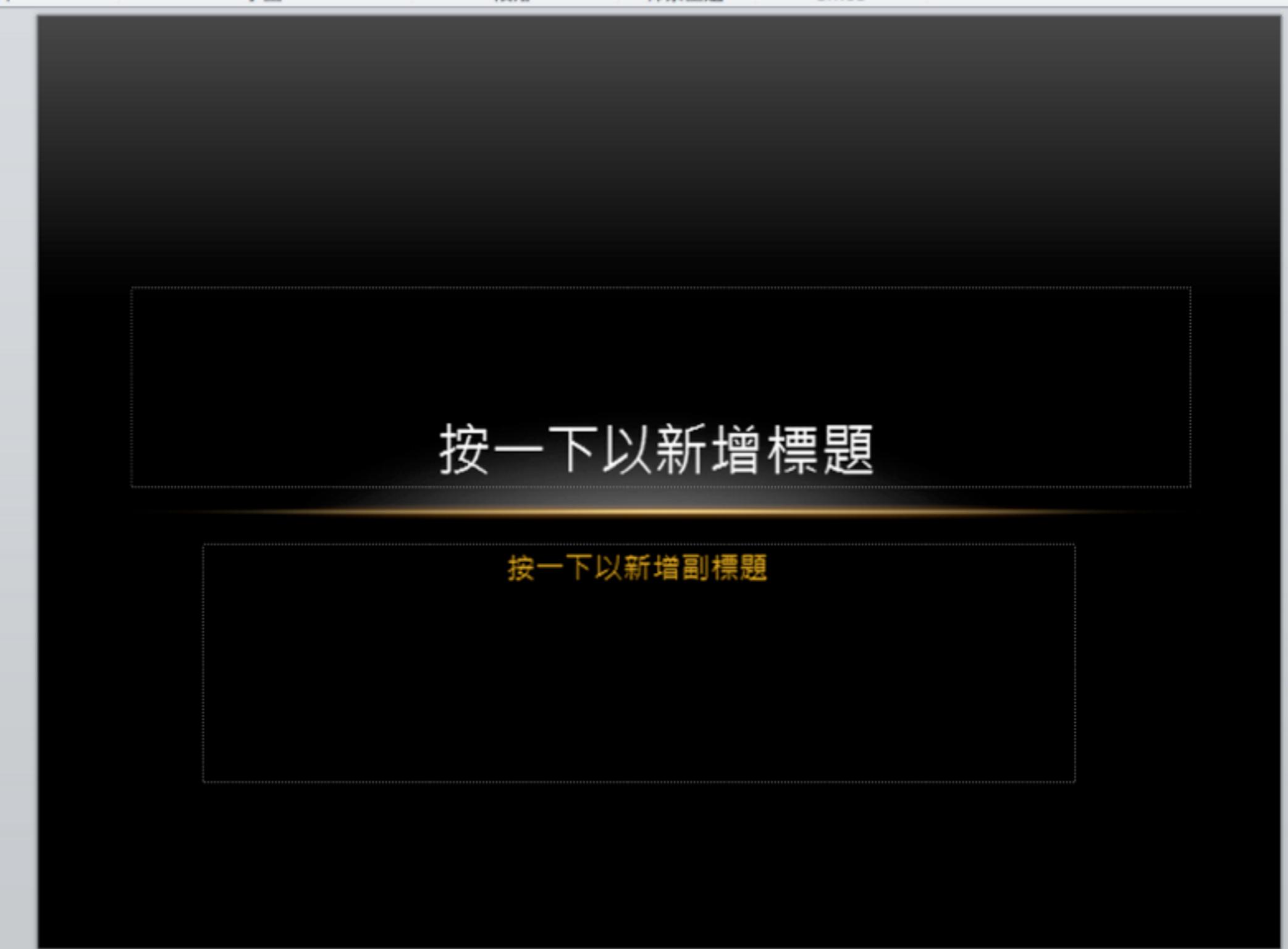
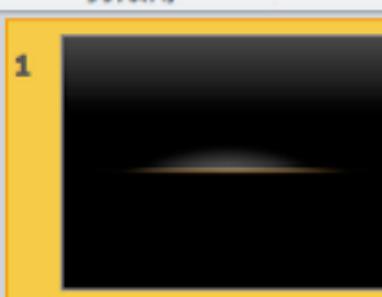
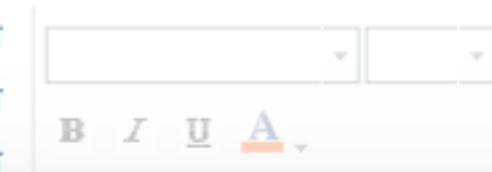
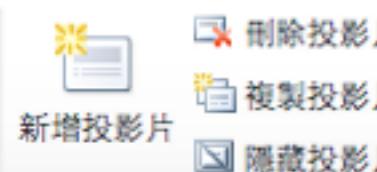
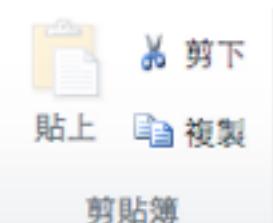


檔案

常用

插入 檢視

尋找更多圖像以製作精美文件。Office 圖像庫 ^



Welcome Board

Basics

Welcome to Trello!

This is a card.

1 vote

Click on a card to see what's behind it.

1

You can attach pictures and files...

1

... any kind of hyperlink ...

1

... or checklists.

1/3

Add card

Intermediate

Invite your team to this board using the Add Members button

Drag people onto a card to indicate that they're responsible for it.



Use color-coded labels for organization

Make as many lists as you need!



Try dragging cards anywhere.

Finished with a card? Archive it.



Add card

Advanced

To learn more tricks, check out the guide.



Use as many boards as you want. We'll make more!



Want to use keyboard shortcuts? We have them!



Want updates on new features?

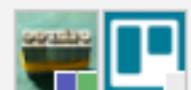


Need help?



Add card

Members



Add Members...

Board

Board Menu

Add List

Search and Filter Cards

Activity [View all...](#)

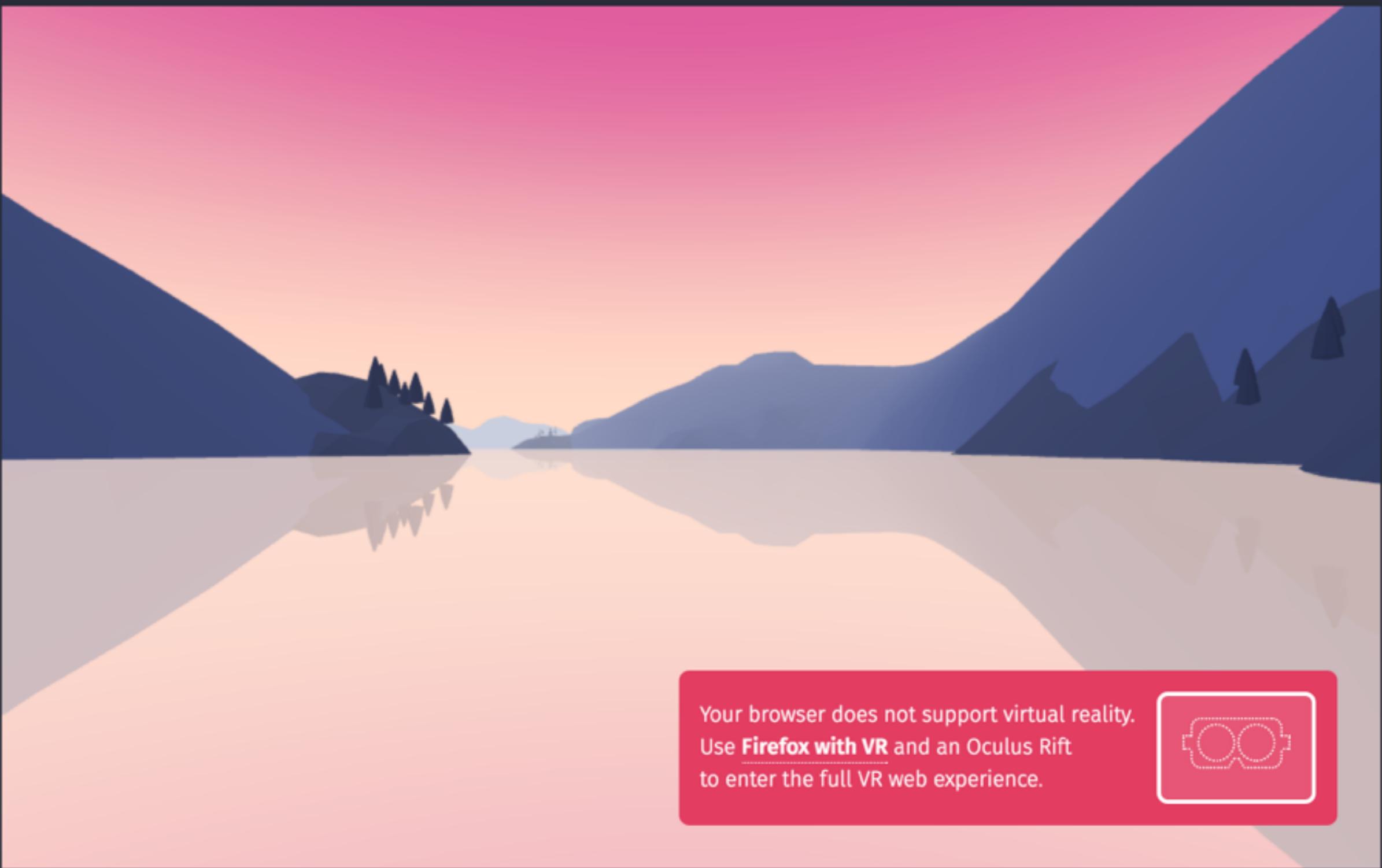
added Need help? to Advanced
Jan 10 at 3:33am

added Want updates on new features? to Advanced
Jan 10 at 3:31am

added Want to use keyboard shortcuts? We have them! to Advanced
Jan 10 at 3:24am

added this board to Examples
Sep 10, 2011 at 5:28am

added Use as many boards as you want.



Your browser does not support virtual reality.
Use [Firefox with VR](#) and an Oculus Rift
to enter the full VR web experience.



PROJECT

SECHELT



Pages

1 of 1

Page Settings

600px 300px Custom Size

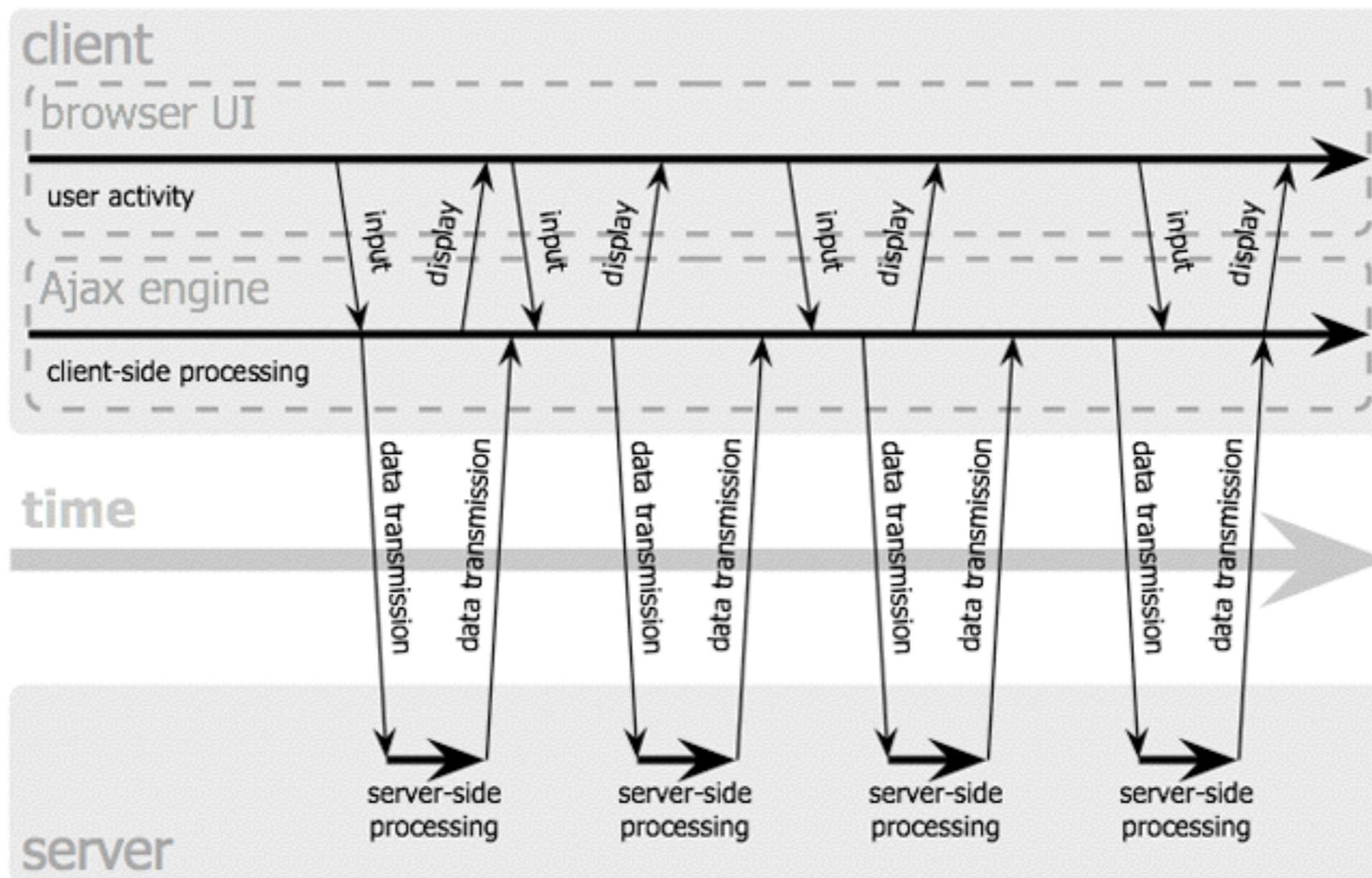
width height Size

129%
9.38px

SPA

- Single Page Application
- Generate everything by JavaScript
- ex: Gmail
- AJAX

Ajax web application model (asynchronous)



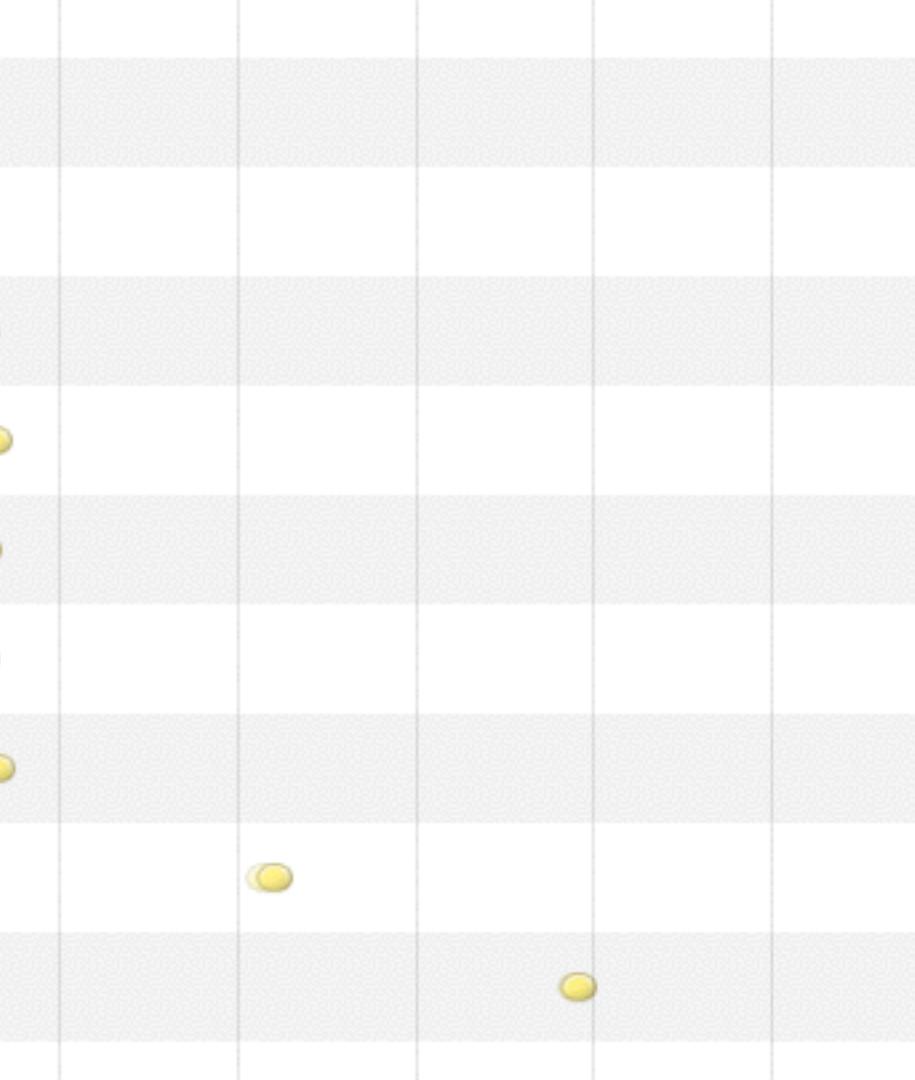
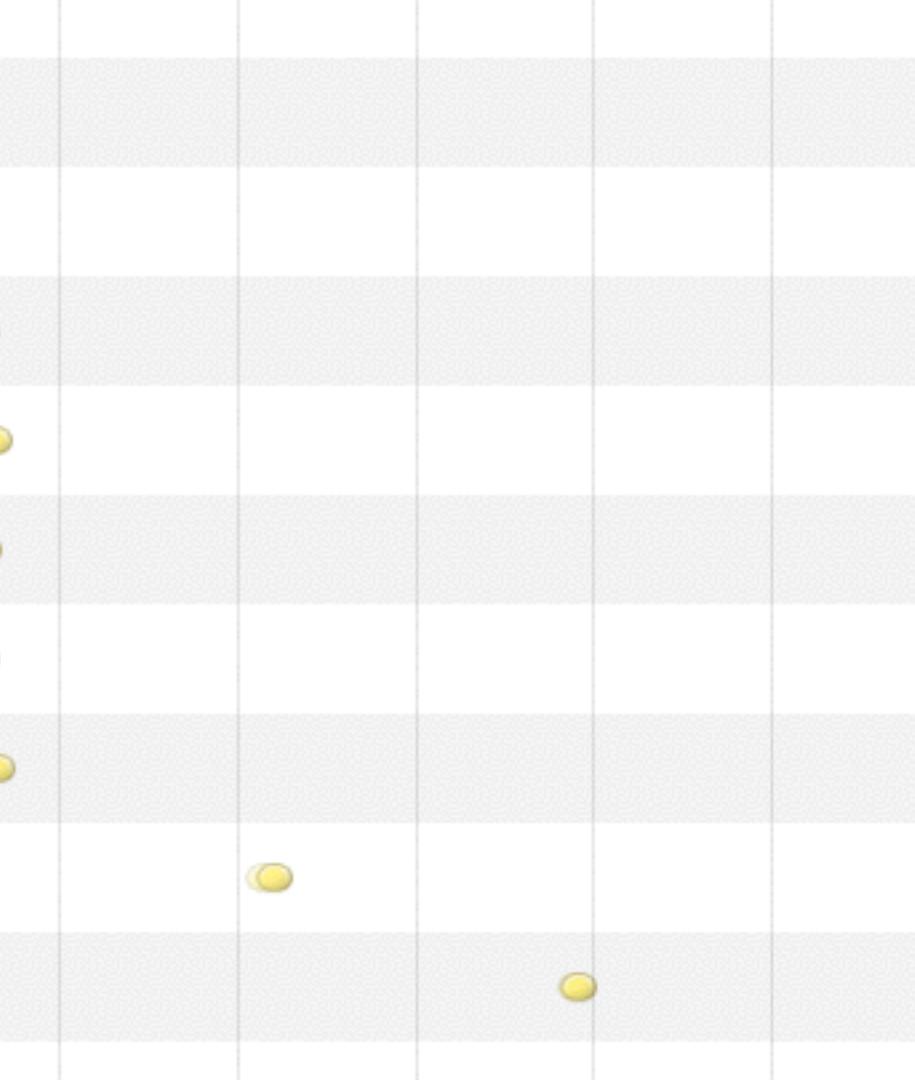
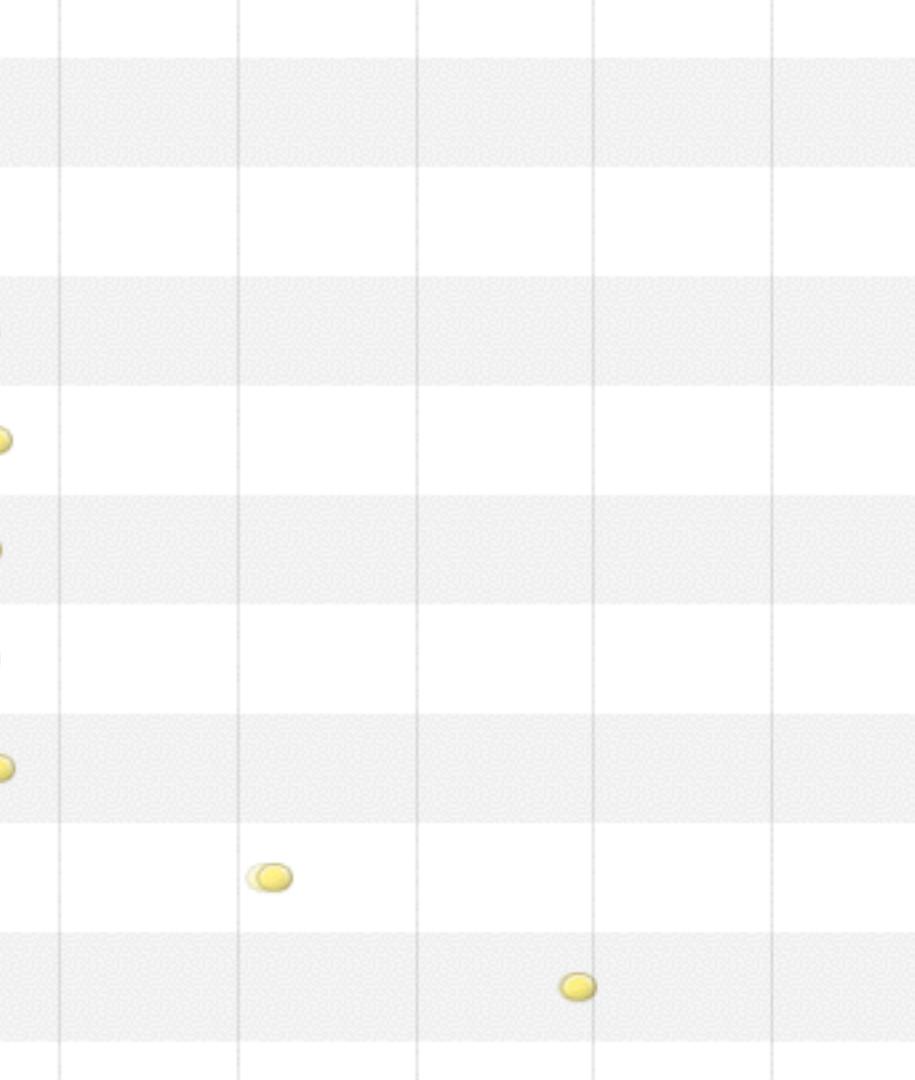
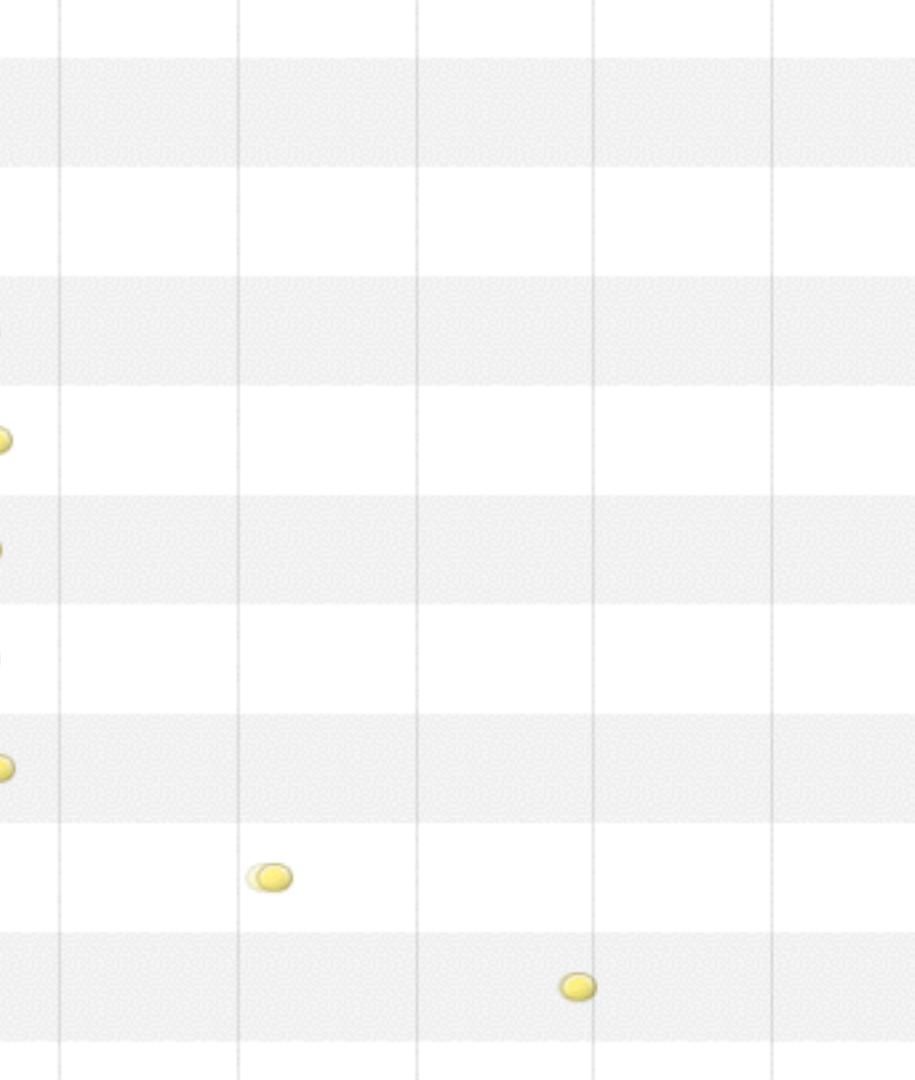
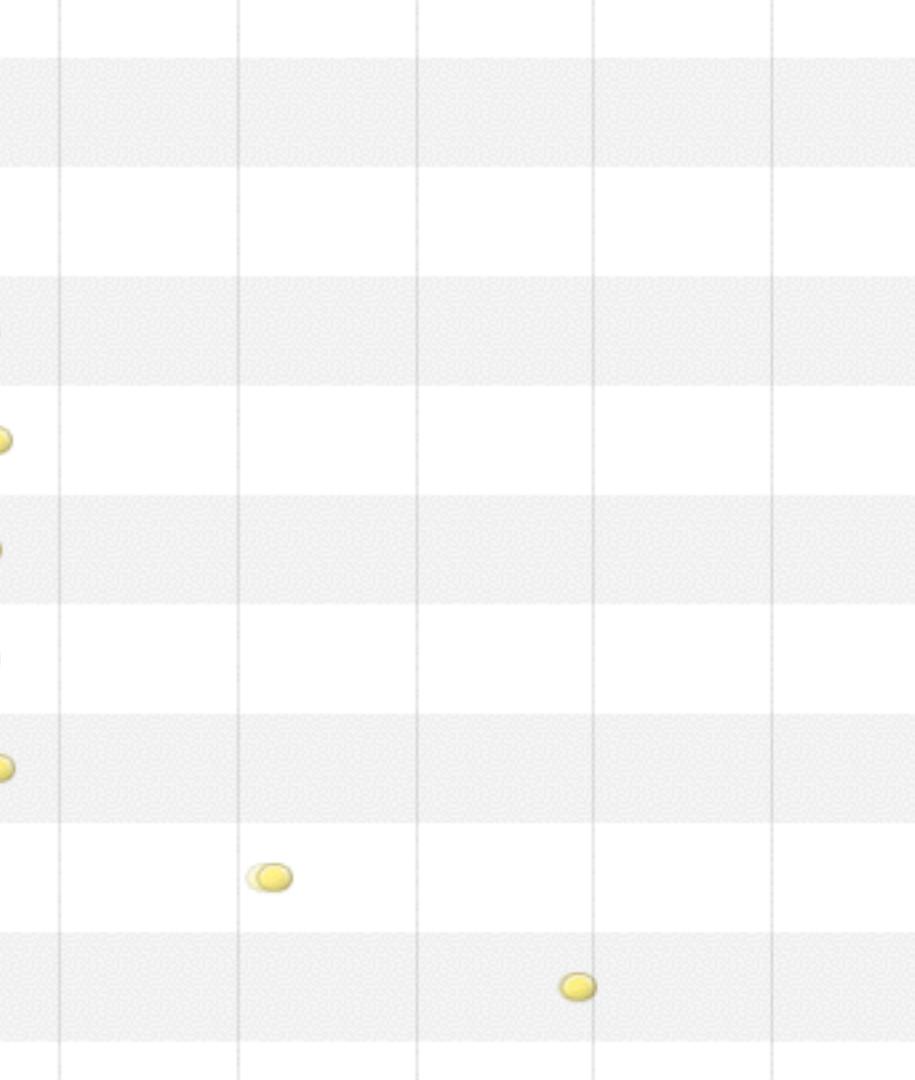
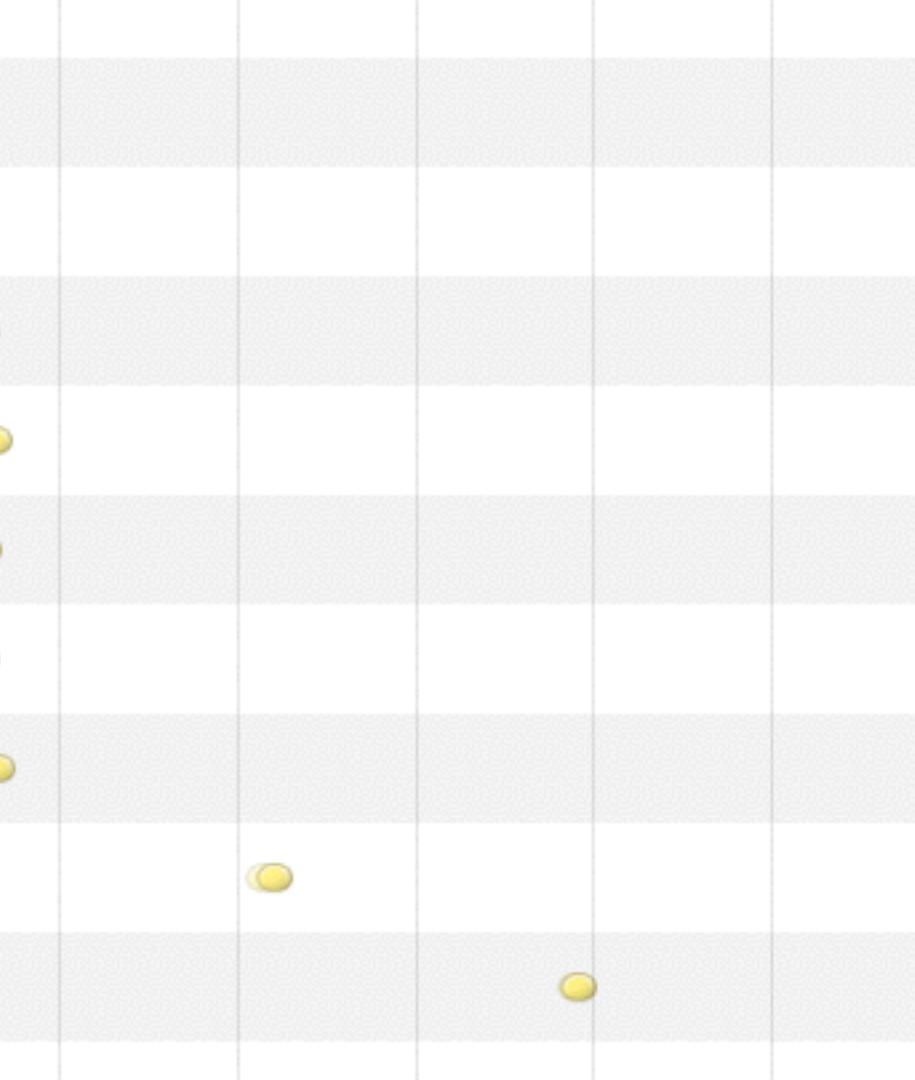
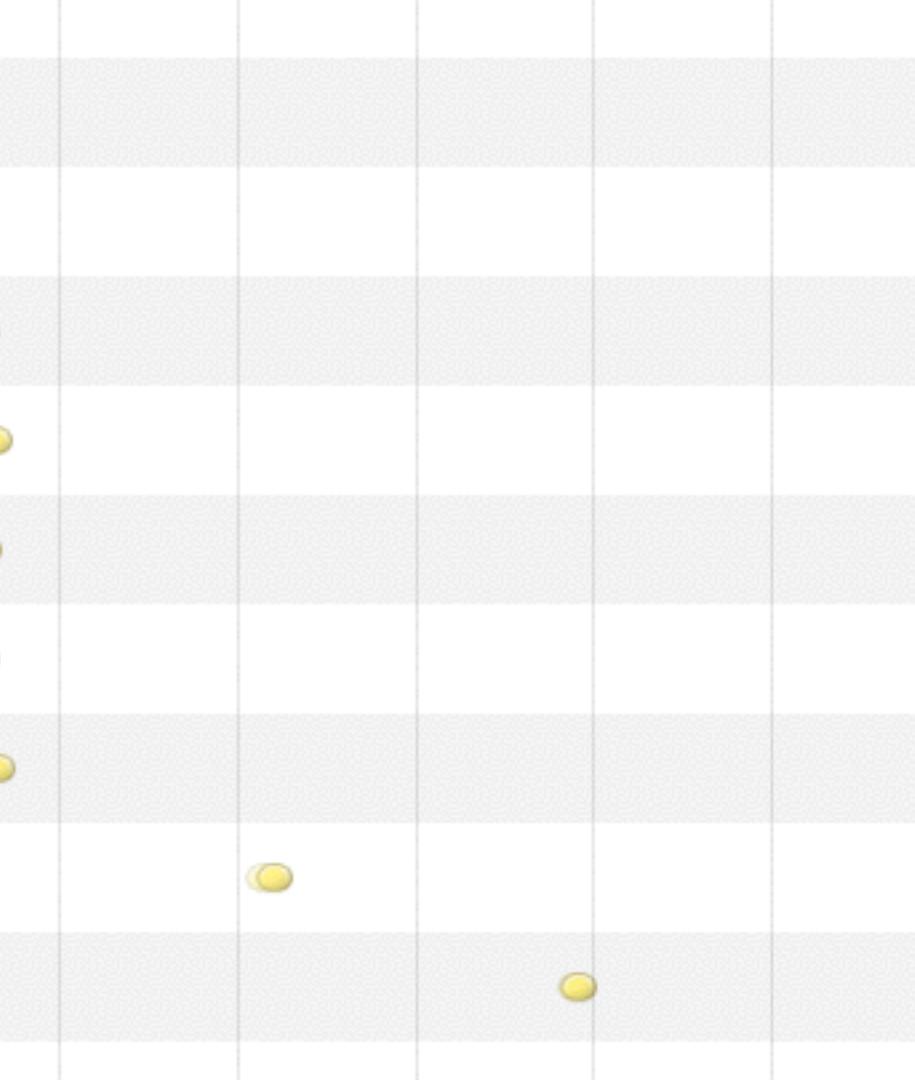
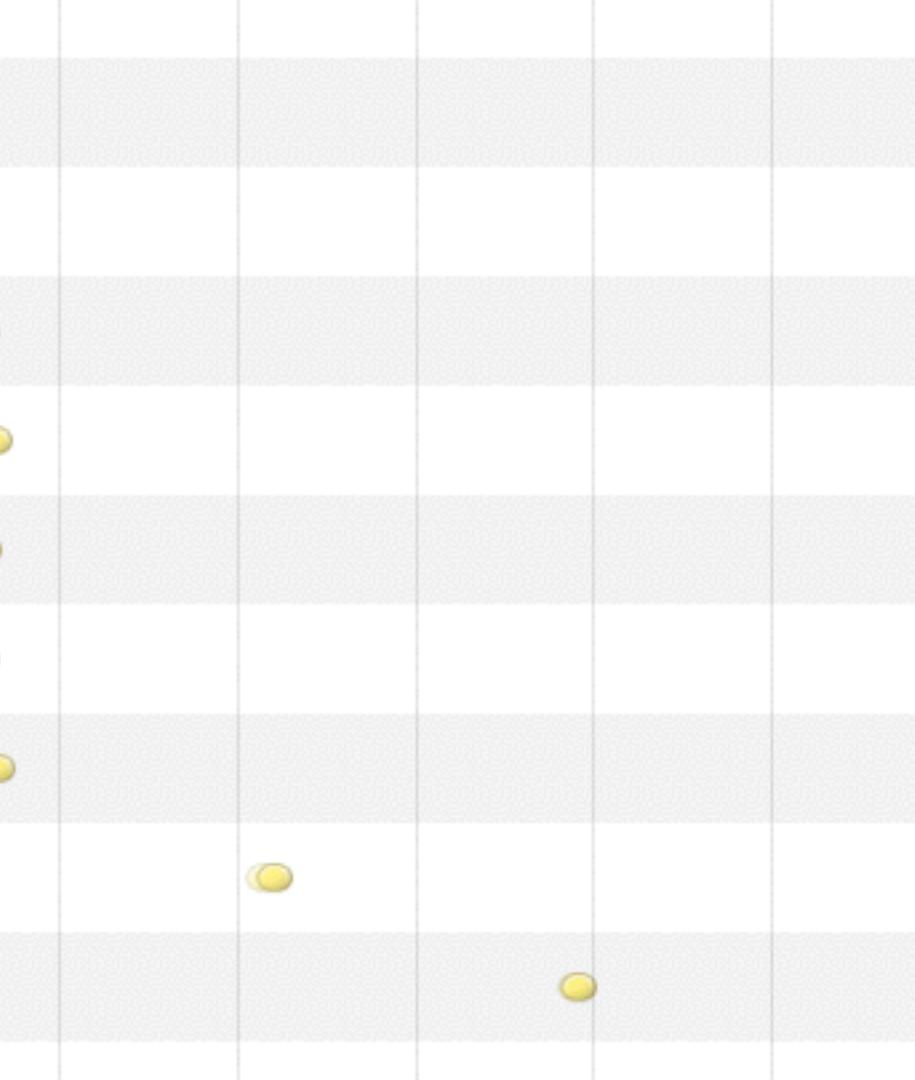
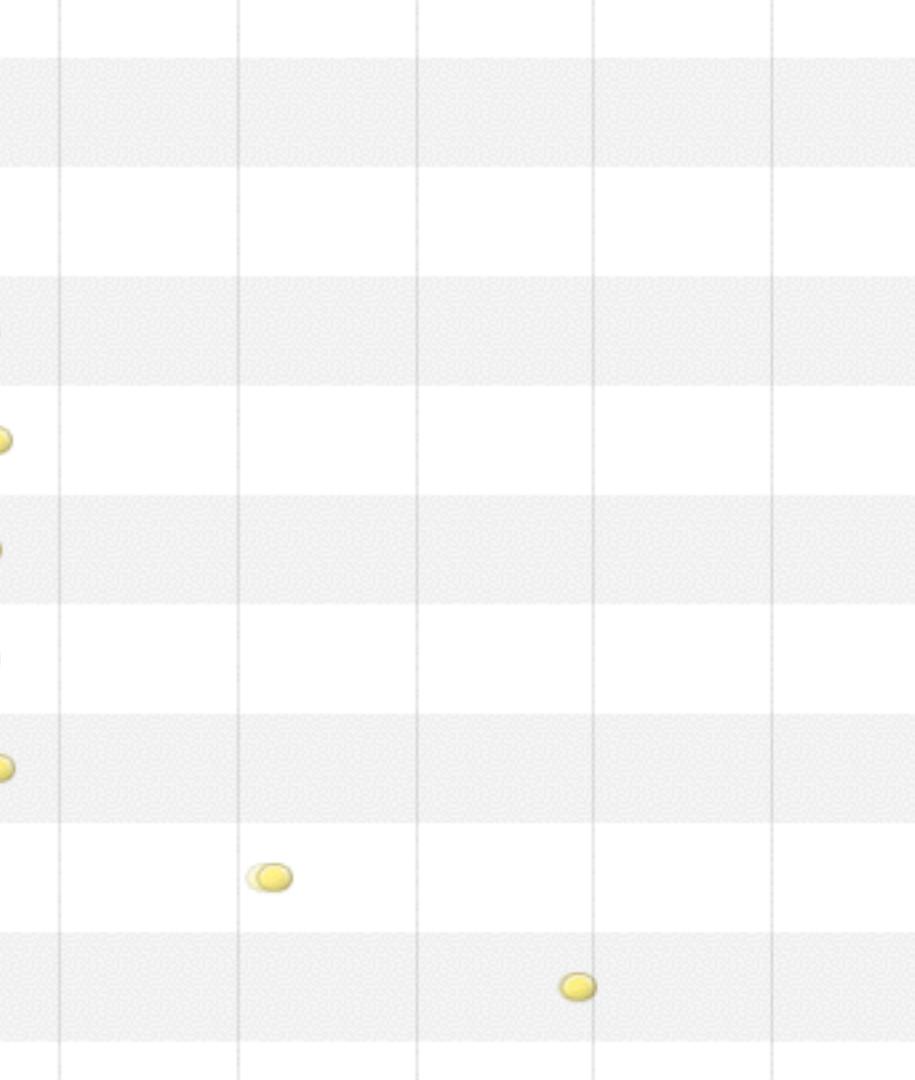
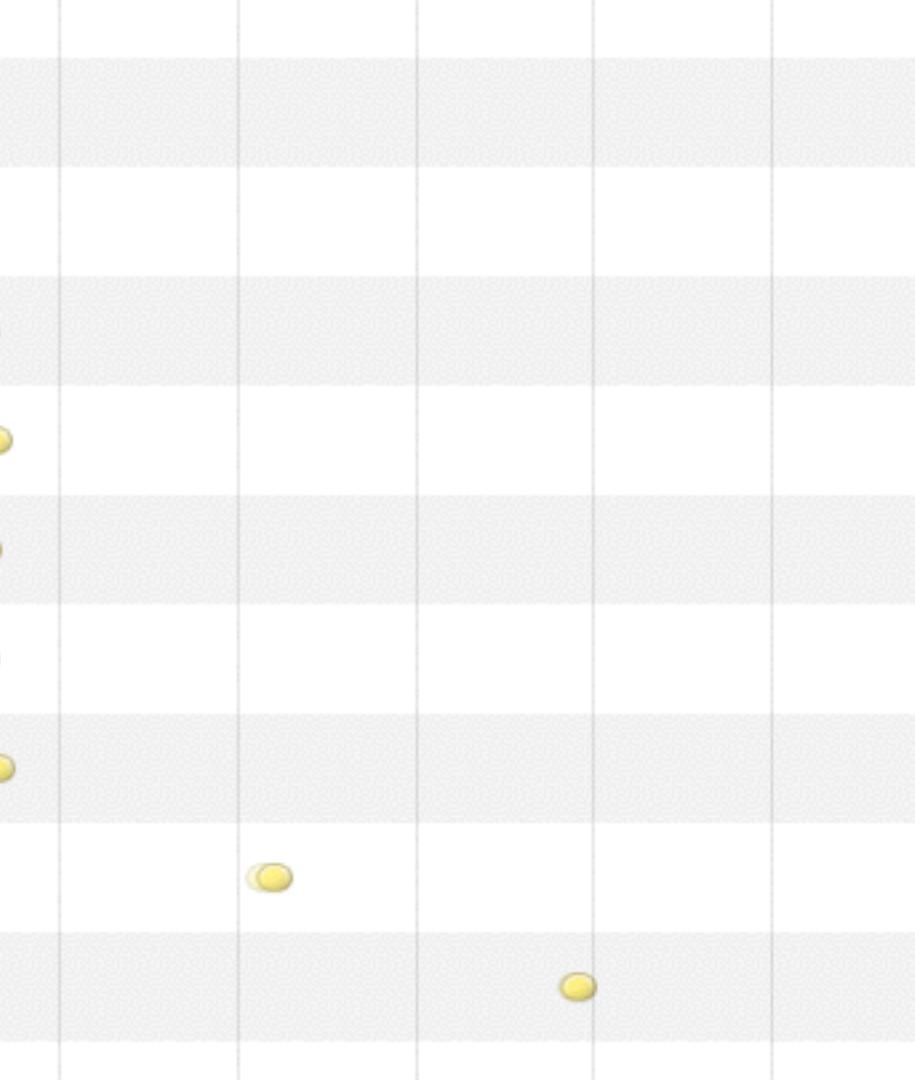
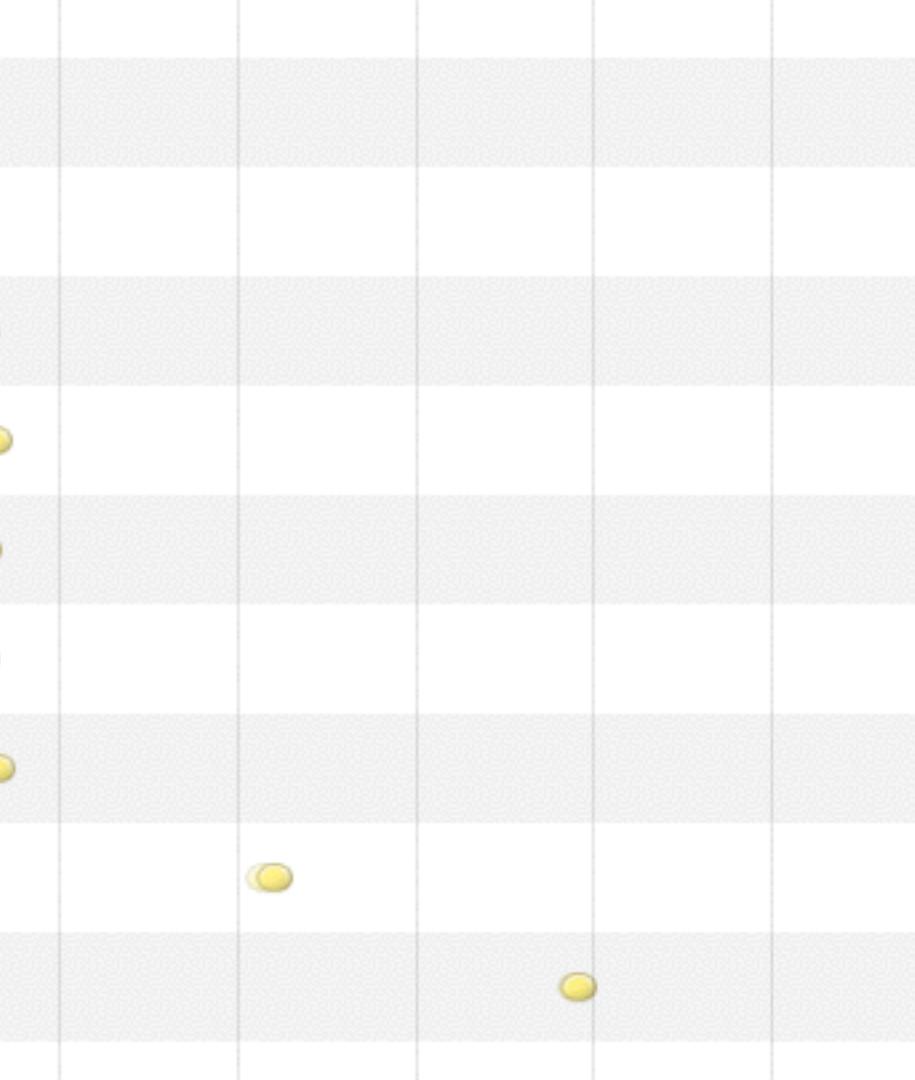
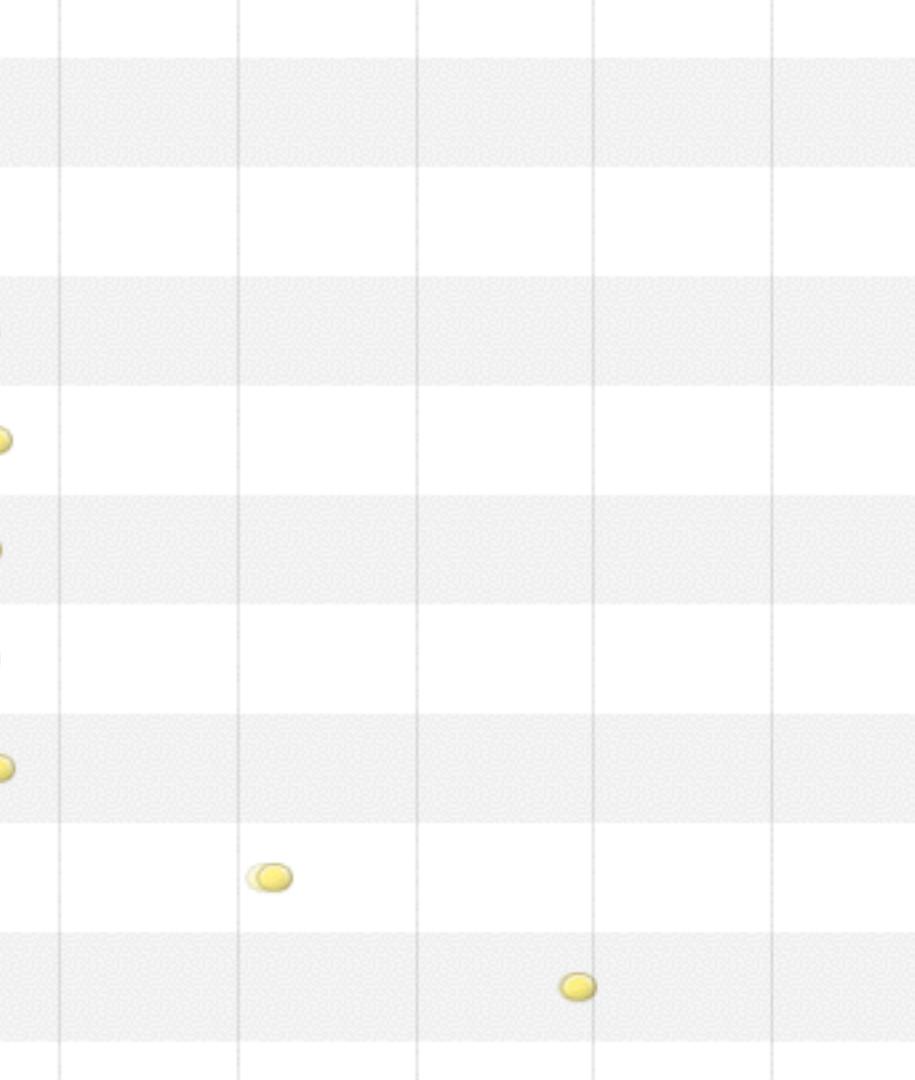


Elements Resources

SOURCES

A small yellow triangle containing a black exclamation mark, indicating a warning or error message.

 Search Network

Name Path	Method	Status Text	Type	Initiator	Size Content	Time Latency	Timeline	32.19s	48.28s	1.1min	1.3min	1.6min
chromeServerV45.js 66.228.34.50/js	GET	200 OK	application	chrome-extension Script	15.19KB 37.81KB	780ms 430ms						
saved_searches.json api.twitter.com/1	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 128B	223ms 205ms						
direct_messages.json api.twitter.com/1	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 140.59KB	353ms 351ms						
sent.json api.twitter.com/1/direct_messages	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 143.88KB	549ms 378ms						
available.json api.twitter.com/1/trends	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 29.88KB	1.64s 489ms						
recommendations.json api.twitter.com/1/users	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 14.11KB	523ms 425ms						
resolve.json api.twitter.com/1/urls	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 1010B	358ms 356ms						
1.json api.twitter.com/1/trends	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 1.59KB	244ms 243ms						
home_timeline.json api.twitter.com/1/statuses	GET	200 OK	application	tl-core.1d4e3b1 Script	4.12KB 11.17KB	964ms 964ms						
home_timeline.json api.twitter.com/1/statuses	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 8.15KB	188ms 187ms						
home_timeline.json api.twitter.com/1/statuses	GET	200 OK	application	tl-core.1d4e3b1 Script	2.44KB 5.87KB	705ms 705ms						
direct_messages.json api.twitter.com/1	GET	200 OK	application	tl-core.1d4e3b1 Script	0B 2B	339ms 338ms						

SPA benefits

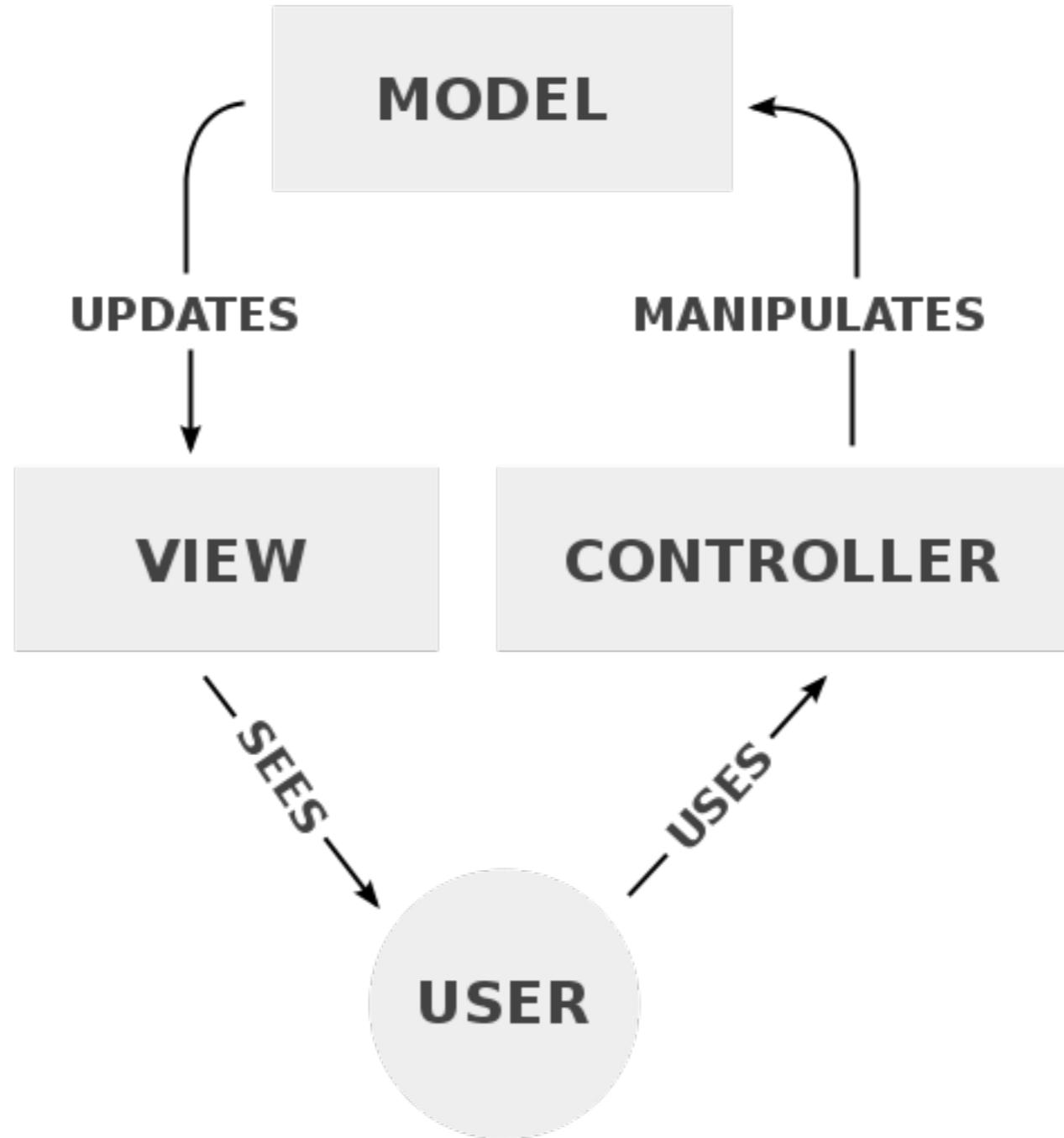
- Response more quick
- Only transfer data

SPA issues

- SEO
- History

MVC Framework

- Model
- View
- Controller



Model

- The data
- ex:
 - User
 - Todo item/list

View

- The presentation
- Template engine

Controller

- User control
- Business logic
- Event handler

Backbone

- A popular MVC framework
- Based on underscore and jQuery
- Very simple
- by Jeremy Ashkenas

underscore

- Lots of tool function
- Same author

Underscore.js X underscorejs.org

[UnderScore.js \(1.8.3\)](#)

» GitHub Repository
» Annotated Source
» Underscore-contrib

[Introduction](#)

[Collections](#)

- each
- map
- reduce
- reduceRight
- find
- filter
- where
- findWhere
- reject
- every
- some
- contains
- invoke
- pluck
- max
- min
- sortBy
- groupBy
- indexBy
- countBy
- shuffle
- sample
- toArray
- size
- partition

[Arrays](#)

- first
- initial
- last
- rest
- compact
- flatten

UNDERSCORE.JS

Underscore is a JavaScript library that provides a whole mess of useful functional programming helpers without extending any built-in objects. It's the answer to the question: "If I sit down in front of a blank HTML page, and want to start being productive immediately, what do I need?" ... and the tie to go along with jQuery's tux and Backbone's suspenders.

Underscore provides over 100 functions that support both your favorite workaday functional helpers: **map**, **filter**, **invoke** — as well as more specialized goodies: function binding, javascript templating, creating quick indexes, deep equality testing, and so on.

A complete Test Suite is included for your perusal.

You may also read through the annotated source code.

Enjoying Underscore, and want to *turn it up to 11?* Try Underscore-contrib.

The project is hosted on GitHub. You can report bugs and discuss features on the issues page, or on Freenode in the `#documentcloud` channel.

Underscore is an open-source component of DocumentCloud.

Downloads (Right-click, and use "Save As")

Development Version (1.8.3) 52kb, Uncompressed with Plentiful Comments

Production Version (1.8.3) 5.7kb, Minified and Gzipped (Source Map)

Edge Version Unreleased, current master, use at your own risk

```
.each([1, 2, 3], alert);
```

```
var stooges = [  
  {name: 'moe', age: 40},  
  {name: 'larry', age: 50},  
  {name: 'curly', age: 60}  
];  
_pluck(stooges, 'name'); // ["moe", "larry", "curly"]
```

```
var throttled = _.throttle(updatePosition, 100);  
$(window).scroll(throttled);
```

```
_.isArray([1,2,3]); // true
```

filter

map

reduce

reduceRight

reject

shuffle

contains

toArray

flatten

first

zip

intersection

indexOf

memoize

uniq

difference

debounce

delay

defer

keys

```
_.each([1, 2, 3], alert);
```

```
_.isArray([1,2,3]);
```

```
.each([1, 2, 3], alert);
```

```
.isArray([1,2,3]);
```

```
_([1, 2, 3]).each(alert);
```

```
_([1, 2, 3]).isArray();
```

Types

- Collections
- Arrays
- Functions
- Objects
- Utility
- Chaining

- Chaining is not reliable

lodash

- More consistent behaviors
 - Chaining
 - Cross Browser
- More functions
- API compatible with underscore
- by John-David Dalton

lodash X

<https://lodash.com> ON

lodash v3.10.1

A JavaScript utility library delivering consistency, modularity, performance, & extras.

```
_.assign({ 'a': 1 }, { 'b': 2 }, { 'c': 3 });
// → { 'a': 1, 'b': 2, 'c': 3 }

_.map([1, 2, 3], function(n) { return n * 3; });
// → [3, 6, 9]
```

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Documentation

- [API Documentation](#)
- [DevDocs – a searchable interface for our documentation](#)

Download

Review the [build differences](#) & pick the one that's right for you.

- [Modern build \(minified\)](#)
For new environments like Chrome, Firefox, IE ≥ 9, & Safari ≥ 5.1
- [Compatibility build \(minified\)](#)
For new & old environments like IE ≤ 8 & PhantomJS

Module formats

Chaining

```
var users = [
  { 'user': 'barney', 'age': 36 },
  { 'user': 'fred',   'age': 40 },
  { 'user': 'pebbles', 'age': 1 }
];

var youngest = _.chain(users)
  .sortBy('age')
  .map(function(chr) {
    return chr.user + ' is ' + chr.age;
  })
  .first()
  .value();
```

Chaining

```
var users = [  
  { 'user': 'barney', 'age': 36 },  
  { 'user': 'fred',   'age': 40 },  
  { 'user': 'pebbles', 'age': 1 }  
];  
  
var youngest = _.chain(users)  
  .sortBy('age')  
  .map(function(chr) {  
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  })  
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Chaining

```
var users = [  
  { 'user': 'barney', 'age': 36 },  
  { 'user': 'fred',   'age': 40 },  
  { 'user': 'pebbles', 'age': 1 }  
];  
  
var youngest = _(users)  
  .sortBy('age')  
  .map(function(chr) {  
    return chr.user + ' is ' + chr.age;  
  })  
  .first()  
  .value();
```

Chaining

```
var users = [  
  { 'user': 'barney', 'age': 36 },  
  { 'user': 'fred',   'age': 40 },  
  { 'user': 'pebbles', 'age': 1 }  
];  
  
var youngest = _(users)  
  .sortBy('age')  
  .map(function(chr) {  
    return chr.user + ' is ' + chr.age;  
  })  
  .first()  
  .value();
```

Functional Programming using Underscore.js

othree @ OSDC 2013

Backbone

- Simple MVC Framework

Components

- model
- collection
- view(controller)
- template
- route

Model

Backbone.
Route

Backbone.Model
Backbone.Collection

Template

Backbone.View

View

Controller

Model

- Data used in application
- Different domain
- Different format
- Different behavior

Backbone.Model

- Domain data
- With useful methods, ex: validate
- Easy to extend
- Supports REST API

Backbone.Collection

- Group of models
- Powerful methods
- Easy to extend
- Supports REST API

Methods

- add / remove
- pluck
- map
- reduce
- sort
- shuffle
- groupBy
- find
- filter
- without
- reset
- toJSON

Template

```
<div class="entry">
  <h1>{{title}}</h1>
  <div class="body">
    {{body}}
  </div>
</div>
```

Data

```
{  
  title: "My New Post",  
  body: "This is my first post!"  
}
```

HTML

```
<div class="entry">
  <h1>My New Post</h1>
  <div class="body">
    This is my first post!
  </div>
</div>
```

Template

```
<ul>  
{{#sites}}  
  <li>{{name}}</li>  
{{/sites}}  
</ul>
```

Data

```
{  
  sites: [  
    {name: 'Facebook'},  
    {name: 'Google'},  
    {name: 'Yahoo!'},  
    {name: 'Twitter'},  
    {name: 'Pinterest'}  
  ]  
}
```

HTML

```
<ul>
  <li>Facebook</li>
  <li>Google</li>
  <li>Yahoo!</li>
  <li>Twitter</li>
  <li>Pinterest</li>
</ul>
```

Template Engine

- Decouple markup and data
- Default template engine is not good
- Use another template engine

Template Engine

- Embedded in HTML markup
- Not too complex, easy to learn
- Precompile

Template Engine

- Mustache, used by twitter
- Handlebars

Mustache

```
<div class="entry">
  <h1>{{title}}</h1>
  <div class="body">
    {{body}}
  </div>
</div>
```

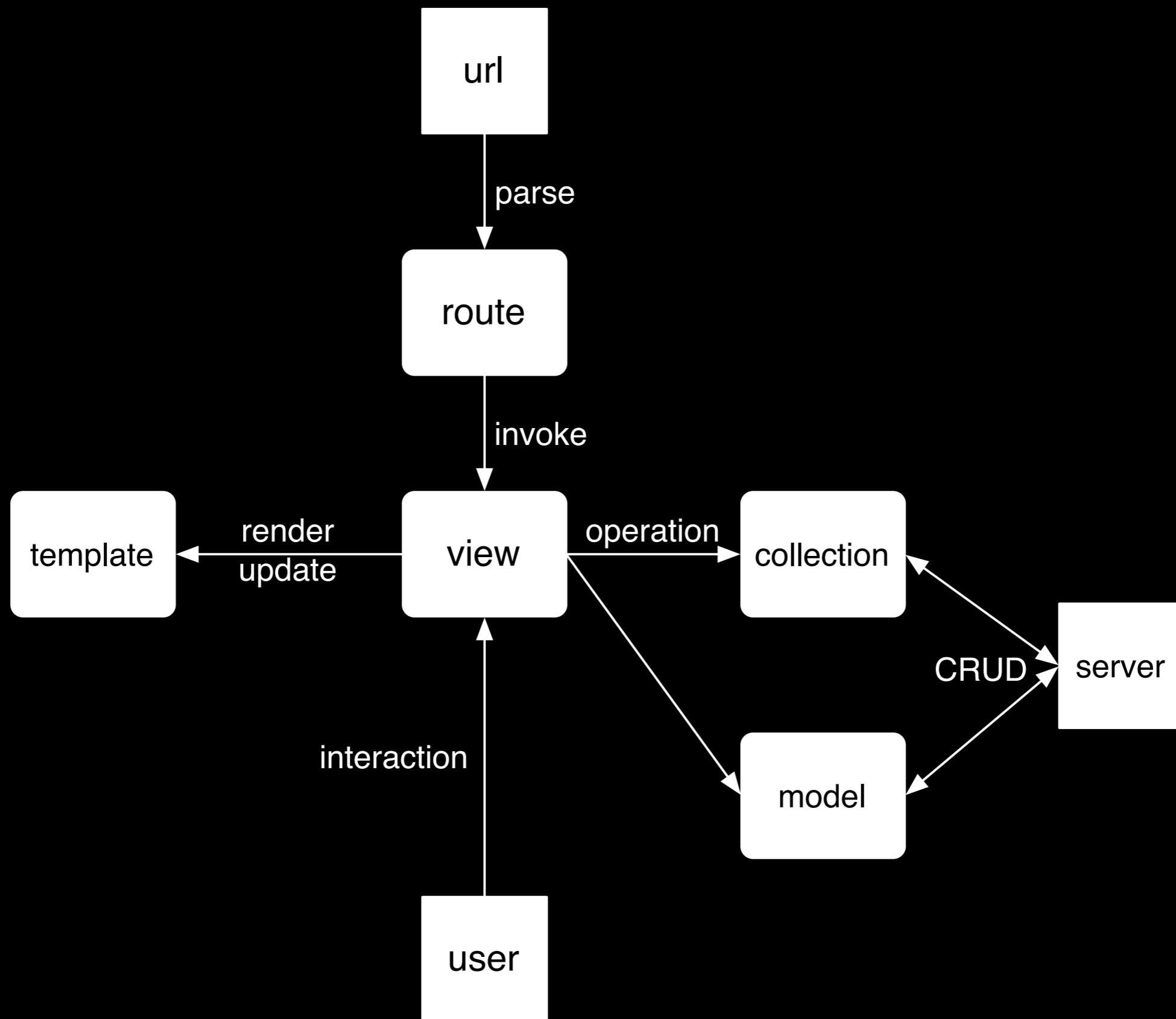
Backbone.View

- View likes the controller in MVC
- Most business logics is here
- Render a page
- Handle user actions

Route

- Map URL to action (function call)
- Route action can invoke a view
- The entry point

```
AppRouter = Backbone.Router.extend({  
  
  routes: {  
    "countries": "renderCountries",  
    "devices/:country": "renderDevices"  
  },  
  
  renderCountries: function() {  
    countriesView.render();  
  },  
  
  renderDevices: function(country, mo) {  
    devicesView.render();  
  }  
});
```



Model

```
var Book = Backbone.Model.extend({  
  initialize: function() { ... },  
  author: function() { ... },  
  coordinates: function() { ... },  
  allowedToEdit: function(account) {  
    return true;  
  }  
});
```

```
var Book = Backbone.Model.extend({  
  initialize: function() { ... },  
  author: function() { ... },  
  coordinates: function() { ... },  
  allowedToEdit: function(account) {  
    return true;  
  }  
});
```

```
var Book = Backbone.Model.extend({  
  initialize: function() { ... },  
  author: function() { ... },  
  coordinates: function() { ... },  
  allowedToEdit: function(account) {  
    return true;  
  }  
});
```

```
new Book({  
    title: "One Thousand and One Nights",  
    author: "Scheherazade"  
});
```

Collection

```
var Library = Backbone.Collection.extend({  
  model: Book  
});
```

View

```
var DocumentRow = Backbone.View.extend({  
  tagName: "li",  
  className: "document-row",  
  
  events: {  
    "click .icon": "open",  
    "click .button.edit": "openEditDialog",  
  },  
  
  initialize: function() {  
    this.listenTo(this.model, "change", this.render);  
  },  
  
  render: function() {  
    ...  
  }  
});
```

Route

```
var Workspace = Backbone.Router.extend({  
  
  routes: {  
    "help": "help", // #help  
    "search/:query": "search", // #search/kiwis  
    "search/:query/p:page": "search" // #search/kiwis/p7  
  },  
  
  help: function() {  
    ...  
  },  
  
  search: function(query, page) {  
    ...  
  }  
});
```

Todo App

- Functions
 - list all todo items
 - add new todo item
 - remove todo item
 - view item detail

Back Button

- Backbone.history will deal with
 - How ?
 - History API

```
var state0bj = { foo: "bar" };  
  
history.pushState(state0bj, "page 2", "bar.html");
```

```
var stateObj = { foo: "bar" };  
  
history.pushState(stateObj, "page 2", "bar.html");
```



data



title



url

```
window.onpopstate = function (event) {  
    event.state; // stateObj  
};
```

popstate Event

- Trigger on every page navigate
- Use state object to restructure page

Demo

Old Browsers

- By url hash and recursive check change
- use Polyfill

browserstate / history.js

Watch 336

Star 8,371

Fork 1,186

History.js gracefully supports the HTML5 History/State APIs (pushState, replaceState, onPopState) in all browsers. Including continued support for data, titles, replaceState. Supports jQuery, MooTools and Prototype. For HTML5 browsers this means that you can modify the URL directly, without needing to use hashes anymore. For HTML4 browsers it wi... <http://browserstate.github.com/history.js/demo/>

275 commits

13 branches

4 releases

24 contributors



Branch: master ▾

[history.js](#) / +

Update README.md

balupton authored on 11 Apr 2014

latest commit 14968aa3cf

demo

UTF8 / url encoding / decoding tested and so resolved: #64, #107, #108, 3 years ago

scripts

window.sessionStorage throws an exception with cookies disabled. Incl... 2 years ago

tests.src

v1.7.1. Added a new native adapter. Provided bundled files. Added ses... 4 years ago

tests

replaced deprecated same comparison with deepEqual 3 years ago

vendor

Updated jQuery to release 1.9.1 3 years ago

.gitignore

Fix NPM version 3 years ago

HISTORY.md

Rename History.md to HISTORY.md 2 years ago

LICENSE.md

Update LICENSE.md 2 years ago

README.md

Update README.md 2 years ago

bower.json

Set version to 1.8.0 2 years ago

Code

Issues 192

Pull requests 23

Wiki

Pulse

Graphs

HTTPS clone URL

<https://github.com/browserstate/history.js> You can clone with [HTTPS](#) or [Subversion](#).

Clone in Desktop

Download ZIP

Large Scale CSS

- CSS will get messy
- Style overwrite hard to debug

!important

```
#target {  
    margin-left: auto;  
    margin-right: auto;  
}  
  
.target-container {  
    margin-left: 0 !important;  
}
```

!important

```
#target {  
    margin-left: auto;  
    margin-right: auto;  
}  
  
.target-container {  
    margin-left: 0 !important;  
}
```

0100
00100000

CodePen's CSS



Chris Coyler on [Chris' Blog of Destiny](#) // Jul 30, 2014 [Follow](#)

Inspired by Mark Otto's tour of [GitHub's CSS](#) and Ian Feather's tour of [Lonely Planet's CSS](#), I thought I would join the party and talk about how we do CSS at CodePen.

Overview

- [1] We use SCSS.
- [2] We use Autoprefixer.
- [3] We use the Rails Asset Pipeline.
- [4] The SCSS file that represents the CSS file that actually gets loaded is just a table of contents.
- [5] We have a style, but mostly just because consistency looks nice.
- [6] We don't use any particular architecture other than "use classes a bunch."
- [7] We keep it to 2 or 3 CSS files per page.
- [8] We use a `@mixin` for media queries which we can turn off.
- [9] Commenting is a good idea.



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Aug 28, 2014 · 9 min read



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Medium's CSS is actually pretty f***ing good.

5

I always believe that to be the best, you have to smell like the best, dress like the best, act like the best. When you throw your trash in the garbage can, it has to be better than anybody else who ever threw trash in the garbage can.

10

— Lil Wayne

I've been meaning to write something about the CSS at Medium for a while because I'm not completely ashamed of it...

1

So how did that happen? What did we do differently? OMG, how can



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By [Bobby Grace](#)
on September
11, 2014 in
[Design & Tech.](#)

Refining The Way We Structure Our CSS At Trello



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@mdo

Projects Talks About Questions



Carbon Ads - a circle you want to be part of. Grab a spot.
ads via Carbon

GitHub's CSS

July 23, 2014



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2,018

I'm always interested in the development details of other products, particularly their styleguides and approach to CSS. Given my penchant for the otherwise inane CSS details, I decided to write a bit about GitHub's CSS.

Contents



Primer

Docs

About

GitHub

Install

Primer

The CSS toolkit and guidelines that power GitHub.

[Read the docs](#)

Made at GitHub

Primer is the basecoat of GitHub, made by nerds just like you who share a passion for HTML and CSS.

Open source

Available for use under the MIT license and built with open source projects like SCSS, Jekyll, Grunt, and more.

Build tools

Includes a small Gruntfile for compiling our SCSS, Autoprefixer for vendor prefixes, and Parker for CSS stats.

CSS Guides

- OOCSS
- BEM
- SMACSS

Basic Concept

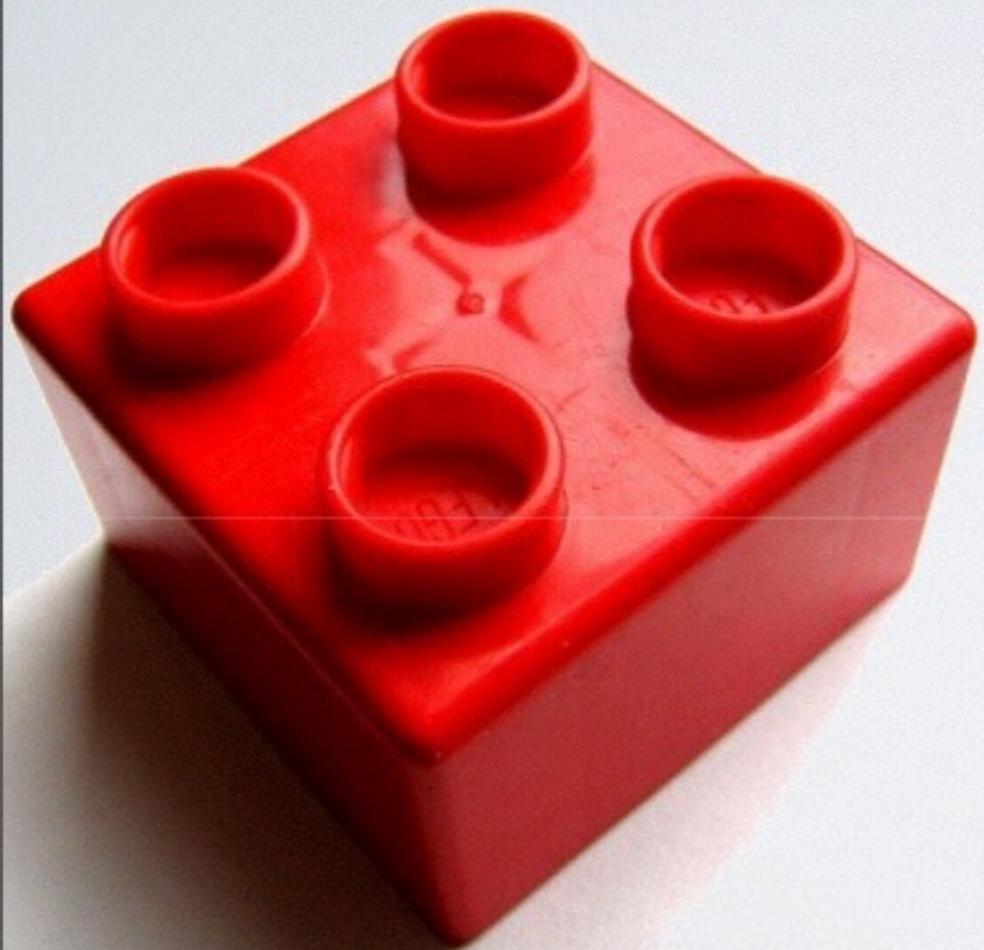
- Decouple HTML tag and style
- Modularize
- State class
- Semantic naming

OOCSS

- Separate Structure and Skin
- Separate Container and Content

OBJECT ORIENTED CSS

for high performance web applications and sites.



Nicole Sullivan



Watch 306

Star 4,788

Fork 648

Home

tanveerc edited this page on 26 Dec 2013 · 52 revisions

Object Oriented CSS

How do you scale CSS for thousands of pages? Object Oriented CSS is an answer. It's an approach for writing CSS that's fast, maintainable, and standards-based. It adds much needed predictability to CSS so that even beginners can participate in writing beautiful websites. Nicole Sullivan first presented it at Web Directions North in Denver and the response has been overwhelming.

This Github project is for the OOCSS framework—a collection of code that's built using the OOCSS approach and is meant to help you get started. However, the framework is *not* the same thing as the OOCSS idea. (Confusingly though, they have the same name... that'll probably change.)

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SMACSS

- 5 type of categories
- Base layout and modularized content
- Minimize selector depth



Scalable and Modular Architecture for CSS

A flexible guide to developing sites small and large.



"SMACSS is becoming one of the most useful contributions to front-end discussions in years" *

I've been analyzing my process (and the process of those around me) and figuring out how best to structure code for projects on a larger scale. What I've found is a process that works equally well for sites small and large.

Learn how to structure your CSS to allow for flexibility and maintainability as your project and your team grows.

[Get the book!](#)[Get the workshop!](#)

What is it?

SMACSS (pronounced "smacks") is more style guide than rigid framework. There is no library within here for you to download or install. SMACSS is a way to examine your design process and as a way to fit those rigid frameworks into a flexible thought process. It is an attempt to document a consistent approach to site development when using CSS. And really, who isn't building a site with CSS these days?!

What's in SMACSS?

Preface

1. [About the Author](#)
2. [Introduction](#)

Core

3. [Categorizing CSS Rules](#)
4. [Base Rules](#)

BEM

- by Yandex
- Block, Element, Modifier
- Block: Layout, Module
- Element: Sub module
- Modifier: State



DOCUMENTATION

[Methodology](#)[Tools](#)[Libraries](#)[Technology](#)[FAQ](#)

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[Build with BEM](#)[Authors](#)[Acknowledgements](#)[Tags](#)[Forum](#)[RU](#)

BEM

Technology for creating web applications

[Quick start](#)

118

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Speaker Deck

Published on May 26, 2014



Kuro Hsu

16 Presentations



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漫談 CSS 架構方法

- 以 OOCSS, SMACSS, BEM 為例

Kuro Hsu @ F2E.tw Party 8th

2014/05/26

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漫談 CSS 架構方法 - 以 OOCSS, SMACSS, BEM 為例

正在等候 speakerd.s3.amazonaws.com...

- [https://zh.wikipedia.org/wiki/MVC#/media/
File:MVC-Process.svg](https://zh.wikipedia.org/wiki/MVC#/media/File:MVC-Process.svg)