

# Janell

A Simple UI to PC, Mobile Device, APP



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# My History

## From 2008-2010

static page

dynamic page

Selector Frameworks: Prototypejs, dojo, moontools, jquery etc.

Rich Interface Application: Etxjs, JQuery UI, Requirejs, Seajs, Labjs, asynchronous load

Browsers(Firefox, opera, IE5.5+) war (CSS Hacks, Javascript Compatibility)

## From 2010-2014, HTML5, CSS3, Responsive Pattern DesignFrom, ES6

Mobile Device: Bootstrap, KedoUI, JQuery Mobile, Sencha touch, web-font, SVG(Scalable Vector Graphics), pure CSS, less, sass

ES6: module, exports

Web site performance

Front-End tools: grunt, gulp, webpack, bower, babel

SPA(Single Page Application): Reactjs

Hybrid app: Phonegap, cordova

## 2014-Now,

Vuejs,

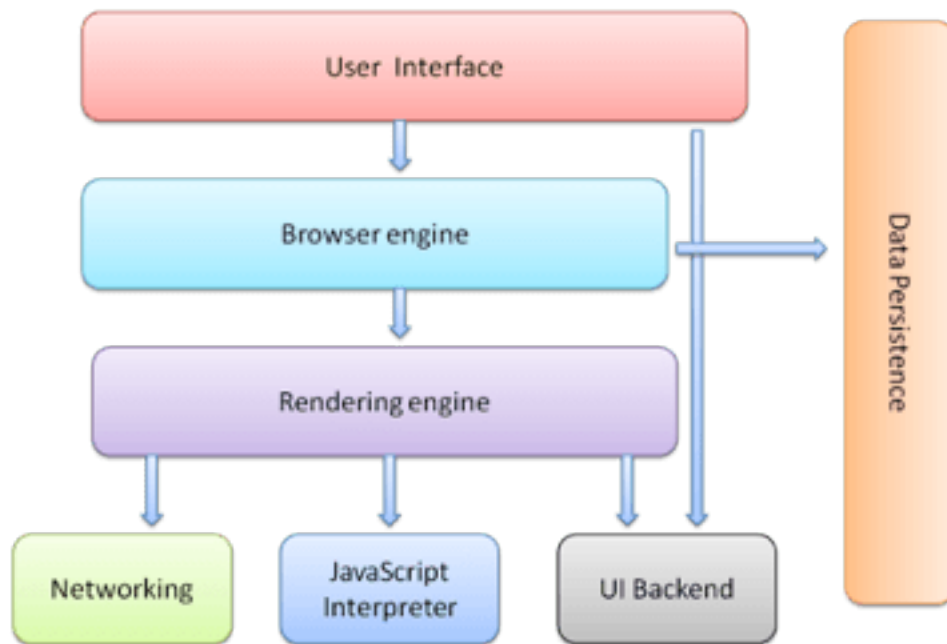
Framework7, React-native

Vanillajs, CSS3

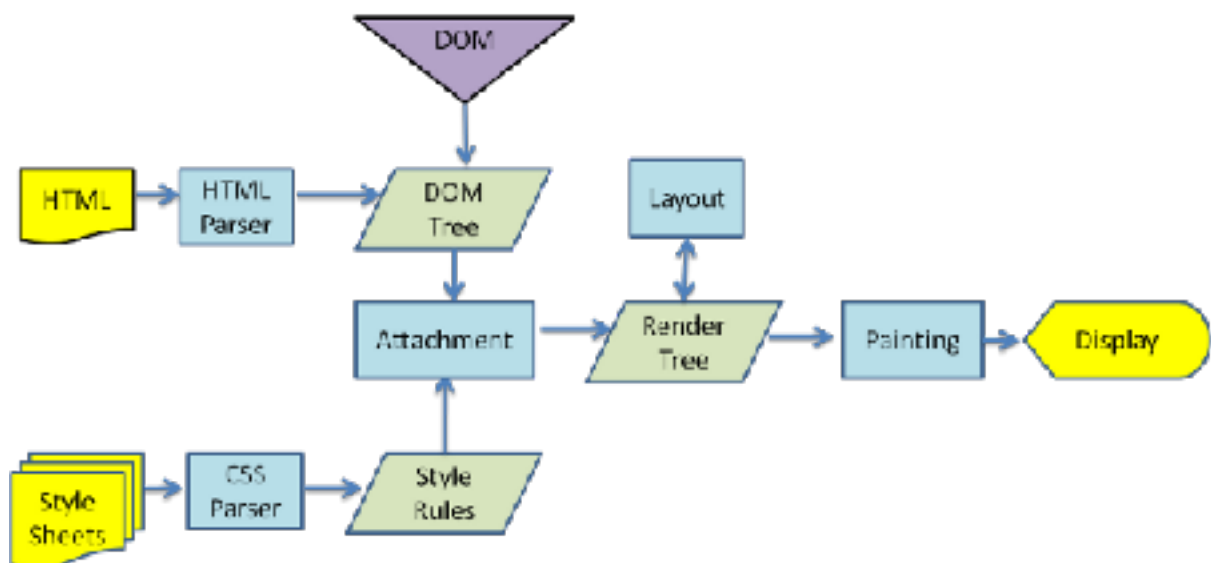
<https://plainjs.com/javascript/>

## 1. Background

### a. 7 Key Components of Any Web Browser



b. A page Render(Rendering engine)



c. Key parts for Speeding Up Your Web Site

Minimize HTTP Requests  
Minimize DOM Access

<https://developer.yahoo.com/performance/rules.html>

## D. History

## 2. Current Front-End Stacks

- a. MV\*(C, VM): React, Vue, Angular, .....  
for single page application. (for PC mostly)
- b. zepto, jquery-mobile(for Mobile Device mostly)
- c. React-Native, Framework7(base on Vue), Ember ,  
others

<http://noeticforce.com/best-hybrid-mobile-app-ui-frameworks-html5-js-css>

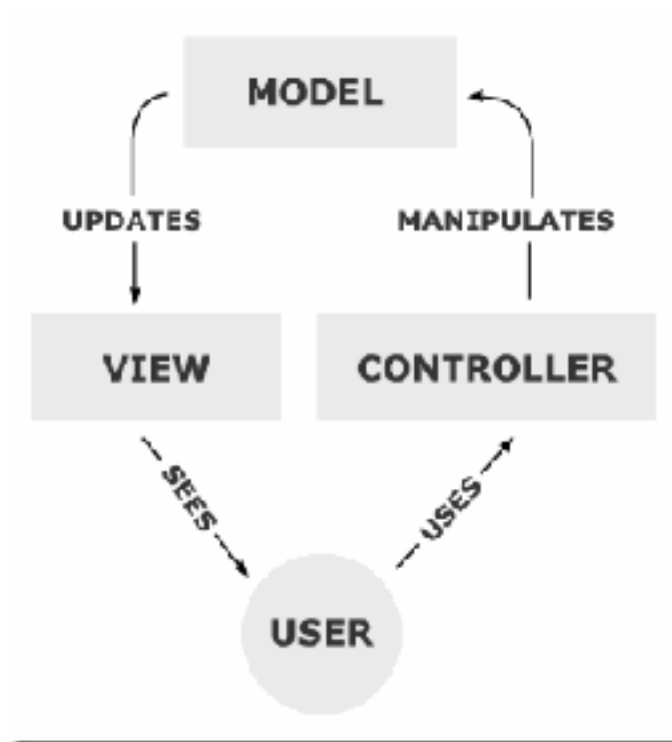
## 3. MV\*

**Model (Data Layer)**- This is where the data is stored for your app

**View (Presentation Layer)**- This part of your App has access to the DOM and is responsible for setting up Event Handlers such as: click, onmouseover, onmouseout, etc.

**Controller (Application Logic)**- The controller is the glue between the model and the view.

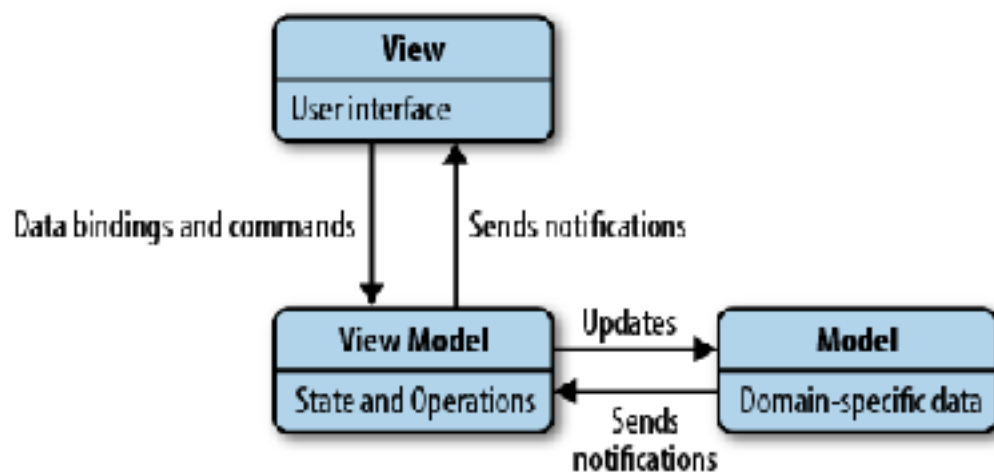
## a. MVC (Model-View-Controller)



<https://www.infragistics.com/community/blogs/b/nanil/posts/exploring-javascript-mv-frameworks-part-1-hello-backbonejs>

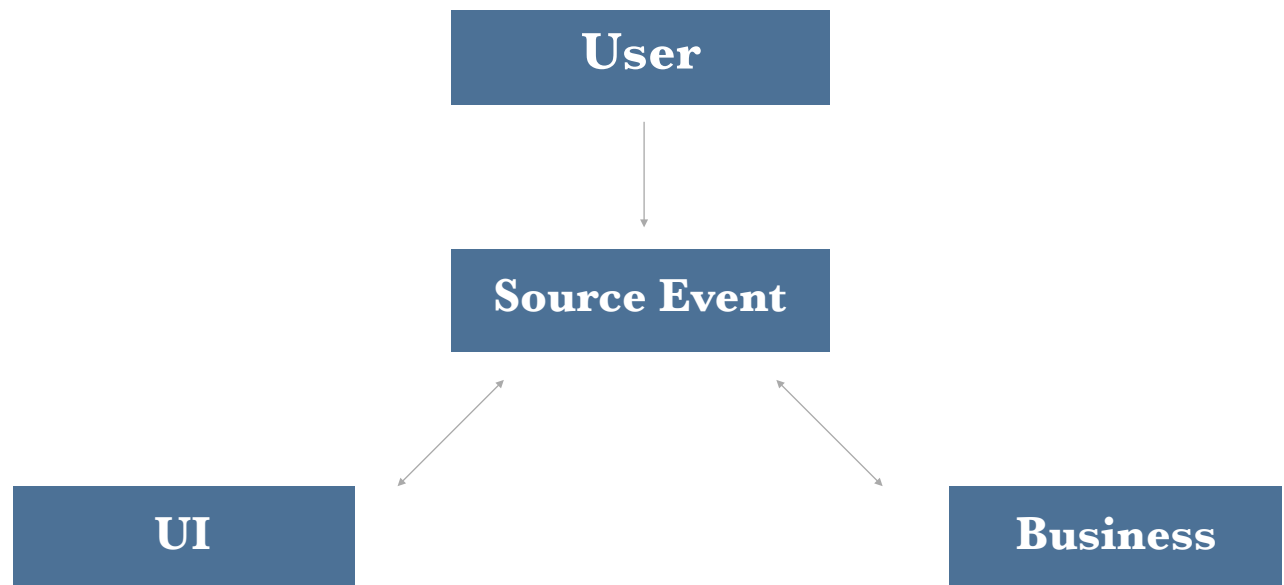
## b. MVVM (Model-View-ViewModel)

**MVVM**



<https://addyosmani.com/blog/understanding-mvvm-a-guide-for-javascript-developers/>

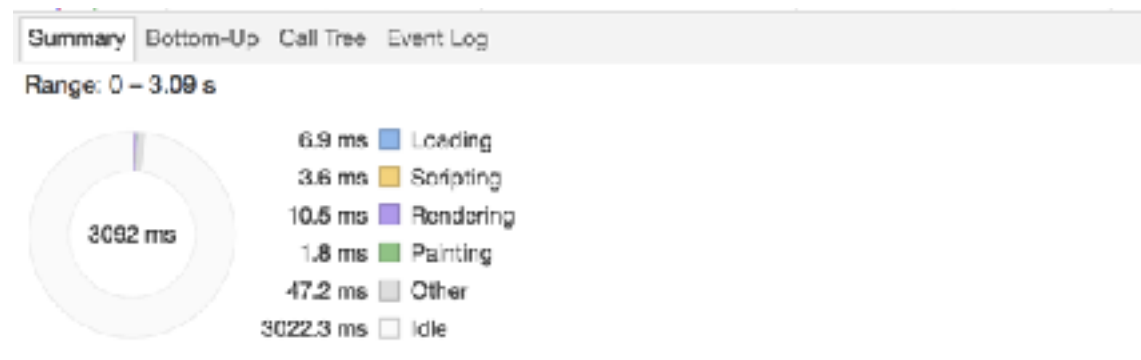
## 4. USB



## 6. Performance

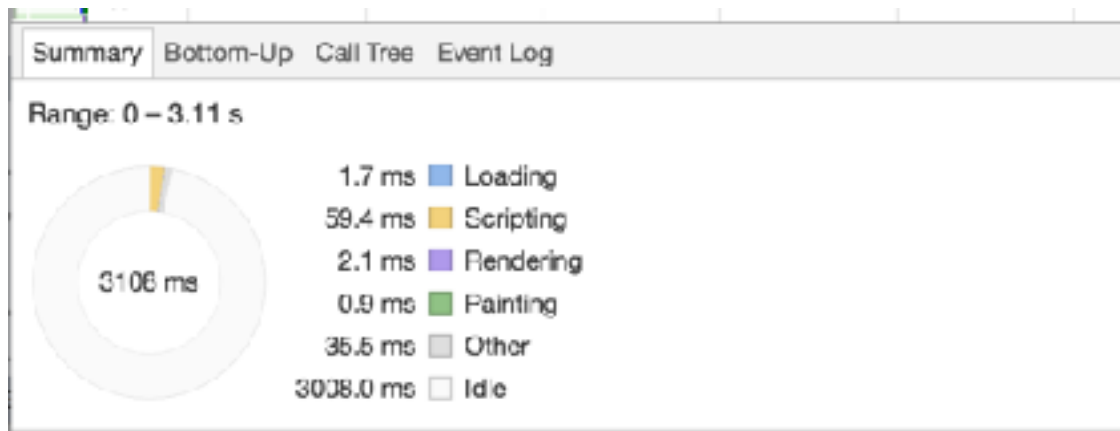
USB(>= 8 components)

Only one requests(8.7KB)



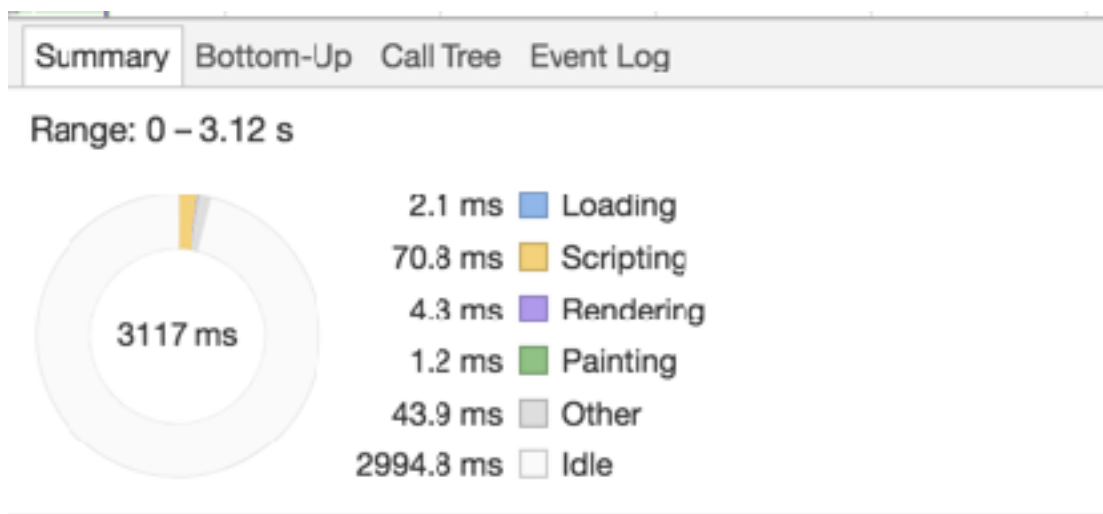
VUE(only hello world)

One Request(84.4 KB)



React(only hello world)

Two requests(142KB, 954B)



## 7. Source code

<https://github.com/baorr/Jane.git>

