Introduction to polymer project



Christoforus Surjoputro

Materi: https://github.com/3mp3ri0r/introduction-to-polymer-project

Facebook: www.facebook.com/totoganteng

when presented with an abundance of choice, you can feel increasingly unsure of whether yours is the right one.

- Addy Osmani

Compare Search terms ▼

angular.js Search term

react.js Search term

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+ Add term

Interest over time ②

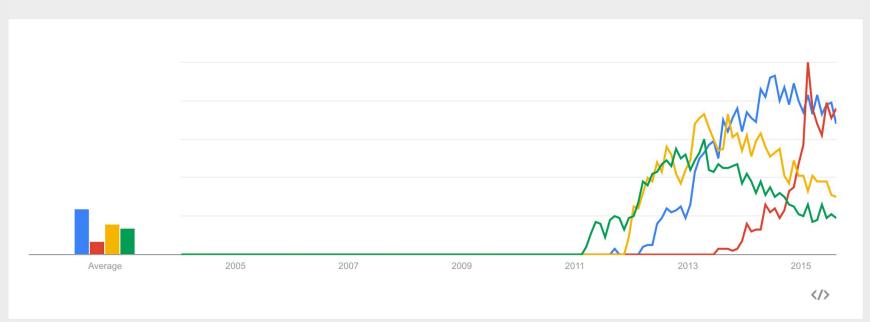














Web components merupakan standard w3c yang merupakan gabungan dari beberapa low-level API.

Template

native client-side templating

Shadow DOM

scoping, composition

Custom Elements

define new HTML/DOM

HTML Imports

loading web components

API Web components sudah di desain agar kita dapat membuat library di atas standar yang sudah ada.

So what is Polymer?

Polymer is not a framework

Applications Existing Frameworks Web Components built with Polymer (or not) Web Platform

Is it ready?

https://translate.google.com/community http://projector.tensorflow.org Chrome Dev Editor https://gaming.youtube.com

Over 1.3M pages

300+ Google projects









Ok Google, play music

Free, curated radio for what you're doing, how you feel, or what you want to hear.

LISTEN NOW





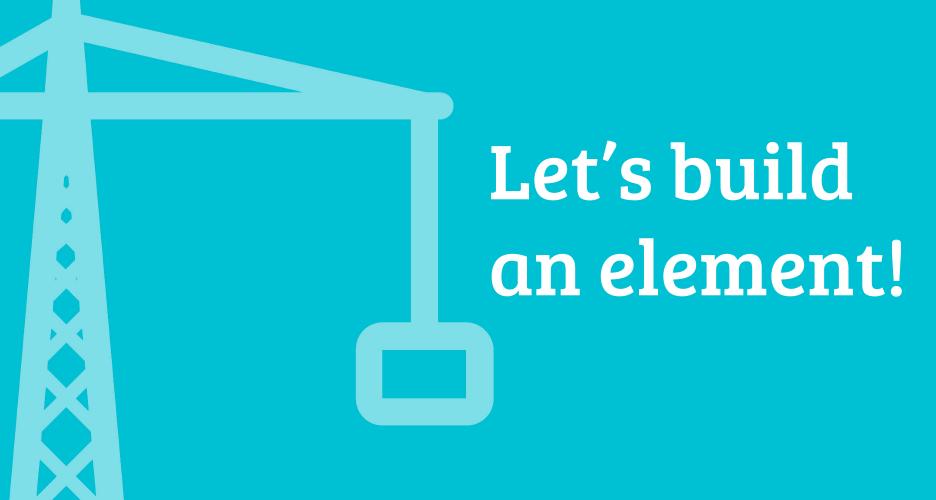
JOIN IN AND LEVEL UP

SUMMER 2015



GET NOTIFIED

READY FOR PRODUCTION



```
<link rel="import" href="../polymer/polymer.html">
<dom-module id="element-baru">
  <template>
  </template>
  <script>
    Polymer({
      is: 'element-baru'
   });
  </script>
</dom-module>
```

```
<link rel="import" href="../polymer/polymer.html">
<dom-module id="element-baru">
 <template>
 </template>
 <script>
                                   Import all of your
   Polymer({
                                   dependencies.
    is: 'element-baru'
                                   HTML Imports
 </script>
</dom-module>
```

```
<link rel="import" href="../polymer/polymer.html">
<dom-module id="element-baru">
 <template>
 </template>
 <script>
                                 A container for your
   Polymer({
                                 element definition.
    is: 'element-baru'
                                 Custom Element
 </script>
</dom-module>
```

```
<link rel="import" href="../polymer/polymer.html">
<dom-module id="alert-banner">
  <template>
  </template>
  <script>
    Polymer({
      is: 'alert-banner'
    });
  </script>
</dom-module>
```

Local DOM is the DOM an elements is *in charge of* creating and managing.
Template and Shadow DOM

Elements

Building blocks for a better web

There's an element for that!

Fe
Iron
Elements
Polymer core elements

Md

Paper Elements

UI components following the material design guidelines

1.0

Iron
Elements
Polymer core elements

Paper
Elements

UI components following the material design guidelines

Google Web
Components

Components for Google's APIs and services

Go

Google Web Components

Components for Google's APIs and services





















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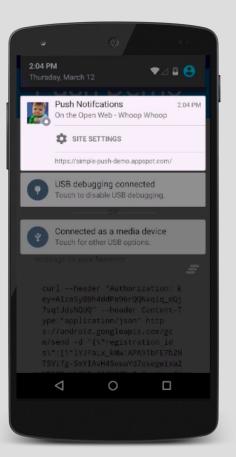
Components for Google's APIs

Platinum
Elements

Push notifications, offline caching, and more.

Platinum
Elements

Push notifications, offline caching, and more.



Iron
Elements
Polymer core elements

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AU

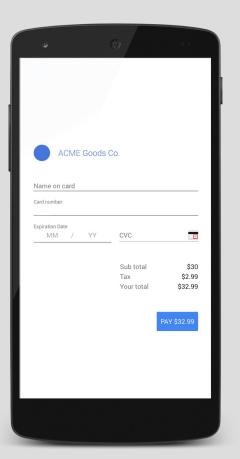
Gold
Elements

E-commerce elements

Au

Gold
Elements

E-commerce elements





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Paper Elements

UI components following the material design guidelines

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Google Web Components

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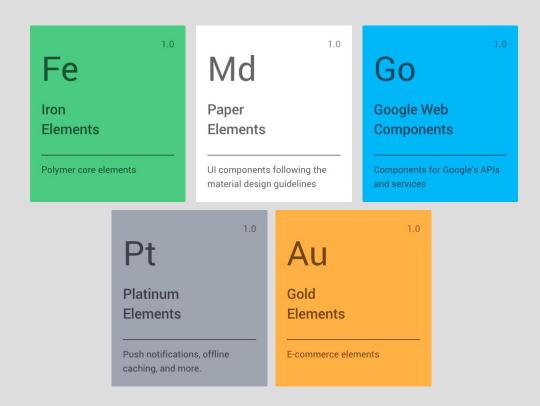
AU

Gold
Elements

E-commerce elements







elements.polymer-project.org

There's an element for that!

Applications

Combining elements into something great



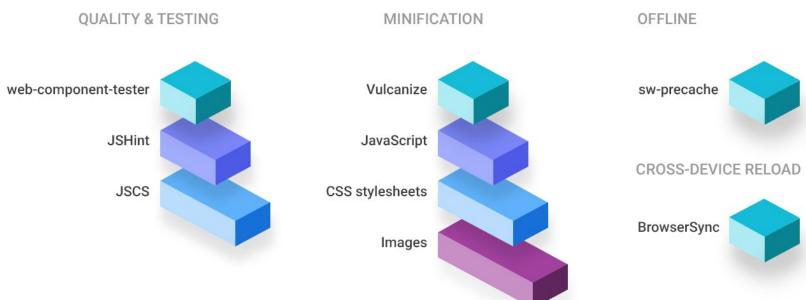
Polymer Starter Kit

Production-ising Apps



Build process out of the box





Polymer is lean, and production ready

Create or reuse elements in any app

Starter Kit gets you up and running

Web Components polyfills

Polymer!

bit.ly/polycasts

polymer-project.org

Thank You!



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