



Polymer Project

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What is polymer?



What was polymer?

Path to polymer 2.0

- End 2014 - A polyfill for promises
- Mid 2015 - v0.5 A library for material design webcomponents
- End 2015 - v1.0 A library for custom elements with data binding
- Mid 2017 - v2.0 Standard "compliant" library for custom elements

Google got excited



Custom elements

- Enable developers to create own html elements
- Basis of web-components
- Tries to solve the markup - css - js binding issues



Shadow DOM

- Encapsulation of DOM and CSS
- Browsers had this internally for a long time
- Shadow DOM v1 Standard

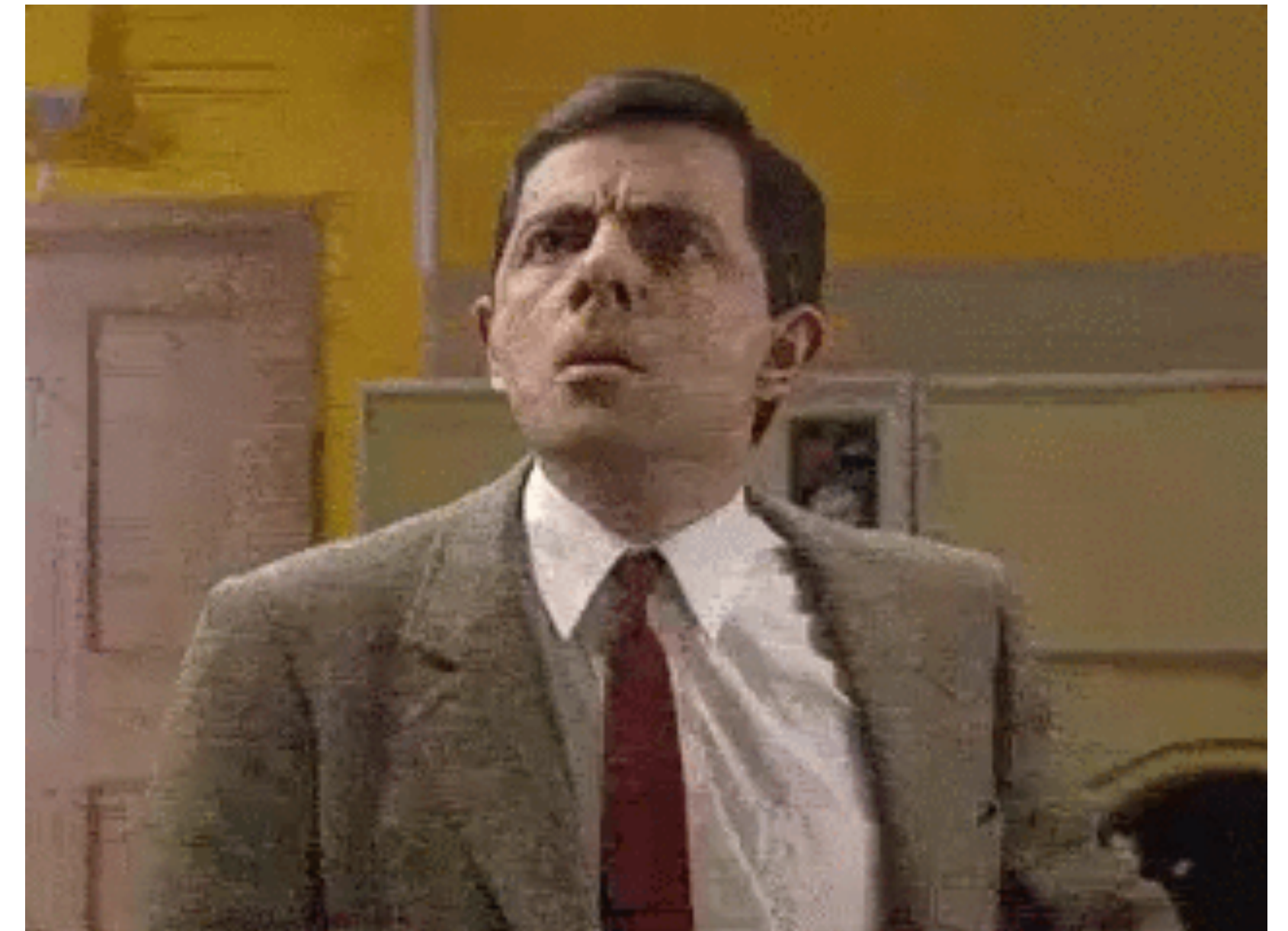


HTML Imports & Templates

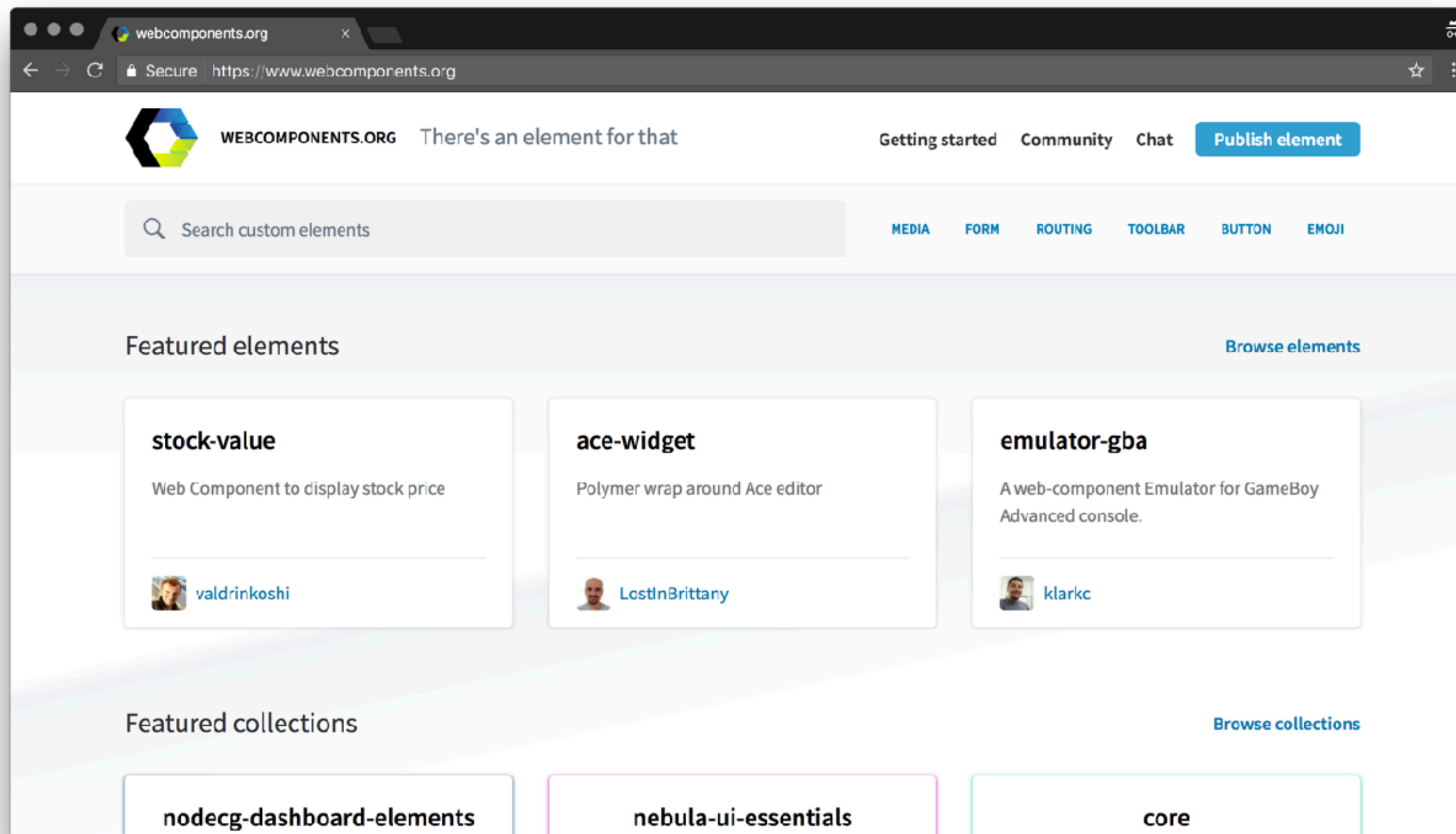


Data binding

- [[One way data binding]]
- {{ Automatic data binding }} - ???
 - notify and readonly properties in the child element control data binding ways



There's an element for that



Polymer

vs

the Standard Way



Demo time

Who actually uses it?

- Google
- Electronic Arts - <https://www.ea.com/>
- zeplin.io - <https://zeplin.io/>
- Longer list - <https://github.com/abdonrd/PolymerProjects>

All the links

- Polymer Project: <https://www.polymer-project.org/>
- Shadow Dom v1 Spec: <https://www.w3.org/TR/shadow-dom/>
- Custom Elements v1 Spec: <https://www.w3.org/TR/custom-elements/>
- HTML Imports Spec: <https://www.w3.org/TR/html-imports/>