**Towards Compatible Lightweight Web Components**

Objectives

* Vue.js like syntax ( it is already in HTML form )
* React.js interaction
* Encapsulation of component css, js, html
* Compatible with IE10 – only limited polyfills
* Stay close to current web standards
* Use the proposed Web Components as inspiration.

Canonical Example

* This was inspired by a demonstration of React.js.

var comp\_src=`

<template>

<button data-bind>

{{label}}

</button>

</template>

<style>

button { width: 200px; padding: 100px; background: blue; }

</style>

<script>

var data = {

label: "This is a button."

};

function \_\_init\_\_(){

console.log('i ran!');

}

function render(){

this.firstElementChild.innerHTML = this.data.label;

}

</script>

`

var tag = 'x-button';

var component = document.createElement(tag);

var srcTree = new DOMParser().parseFromString(comp\_src,"text/html");

var script = srcTree.querySelector('script');

var css = srcTree.querySelector('style');

var templ = srcTree.querySelector('template');

for ( var i = 0; i < css.sheet.cssRules.length; i++ ){

var rule = css.sheet.cssRules[i];

rule.selectorText = tag + ' ' + rule.selectorText;

}

/\* convert the HTML into dom elements \*/

component.innerHTML = templ.innerHTML;

var x = function (){

eval(script.innerText);

\_\_init\_\_.bind(component)();

component.data = data;

component.render = render.bind(component);

}();