

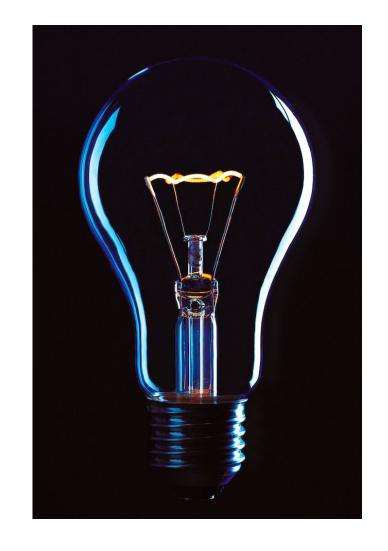
Cross-platform native components using fundamental-styles

and couple of other tools*

Giorgi Cheishvili, Software developer Valor Software



How do we support multiple environments **efficiently**?





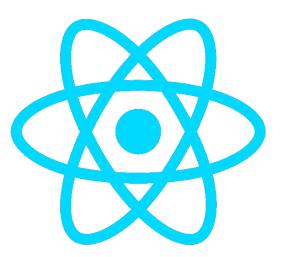




- Extensive tooling
- Great Forms
- SSR out of the box
- Dependency injection
- Progressive Web Apps
- Clear style guides and practices
- Huge community
- Flexible
- Many more things...



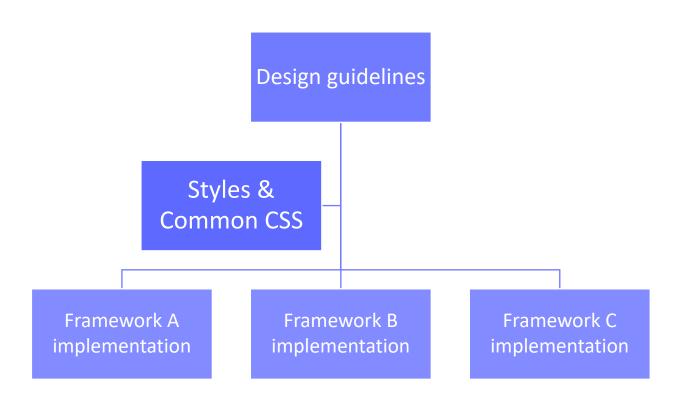




- Easy to use
- High performance
- Very flexible
- Extensive amount of 3rd party libraries
- Huge community
- Diversity of paradigms
- Probably more things...

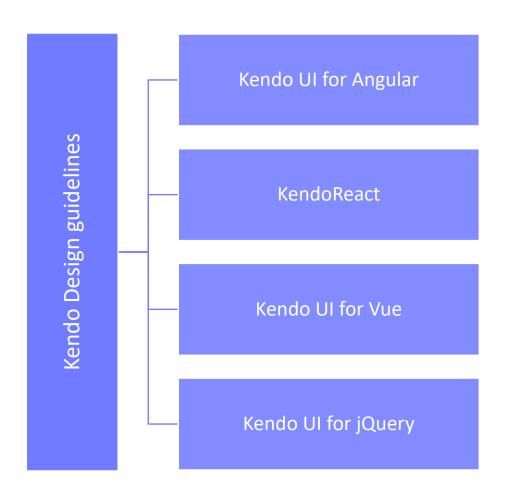








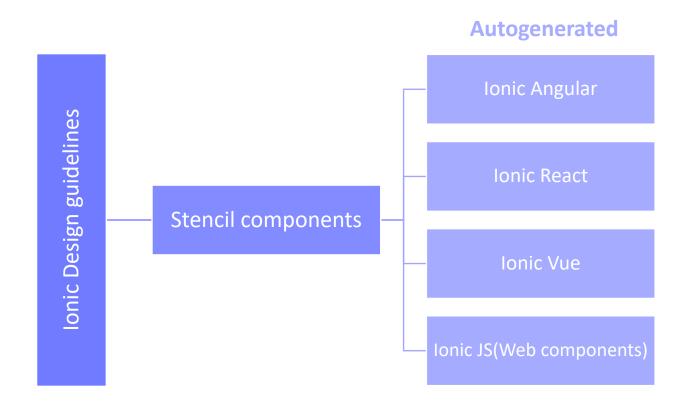
Kendo UI products' structure







Ionic products' structure





Samental of same of sa

Solution(?) Have universal compiler, of course









Write components once, compile to every framework:

























Mitosis.JS JSON representation of file contents

```
4
```

```
"@type": "@builder.io/mitosis/component",
        "exports": {},
        "inputs": [],
         "useMetadata": {
          "somethingSpecialAboutThisComponent": true
        "refs": {},
        "state": {},
        "children": [
            "@type": "@builder.io/mitosis/node",
           "scope": {},
           "properties": {},
           "bindings": {},
            "children": [
               "@type": "@builder.io/mitosis/node",
               "name": "div",
               "meta": {},
               "scope": {},
               "properties": {
                 "_text": "Hello "
               "bindings": {},
               "children": []
               "@type": "@builder.io/mitosis/node",
               "name": "div",
               "scope": {},
               "properties": {},
               "bindings": {
                 "_text": {
                   "code": "props.name || 'World'"
               "children": []
               "@type": "@builder.io/mitosis/node",
               "scope": {},
               "properties": {
                 "_text": "!"
               "bindings": {},
               "children": []
        "context": { ···
       "name": "MyComponent",
        "subComponents": [],
         "interface MyComponentProps {\n name: string;\n}"
       "propsTypeRef": "MyComponentProps"
71
```



nx: ^14.0.0

@builder.io/mitosis: ^0.0.58

fundamental-styles: ^0.24.4





Problem with compiling to Angular target

Button Mitosis

Button Mitosis JSON

button.component.ts

There is no generated module...





Problem with compiling to Angular target

Input Mitosis

Input Mitosis JSON

input.component.ts

There is no Angular form support...





Problem with compiling to Angular target



There is no grouping of components into modules, because there is no modules...





But there are plugins!

```
const mitosisPlugin = (options: any) => {
 return {
    json: {
     pre: (json: MitosisComponent): MitosisComponent => {
      },
     post: (json: MitosisComponent): MitosisComponent => {
   },
   code: {
     pre: (beforePrettierContent: string): string => {
      },
      post: (afterPrettierContent: string): string => {
```









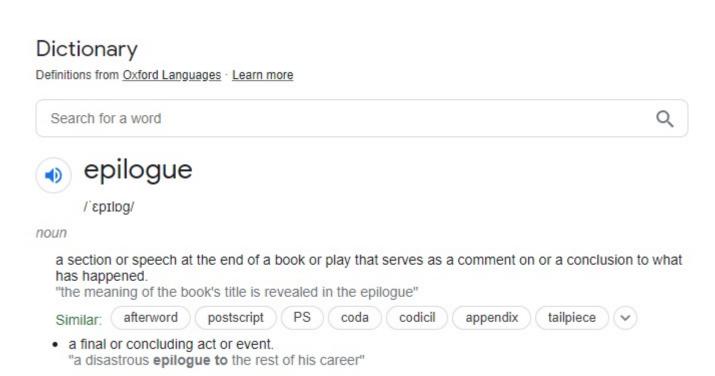
samenta, over to over

Fictional(probably based on real events somewhere) story and imaginary world, where lion and the sheep eat grass together









conf.

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Thank you for your attention!

If you have any questions, ideas or something to share, you can always find me at:

