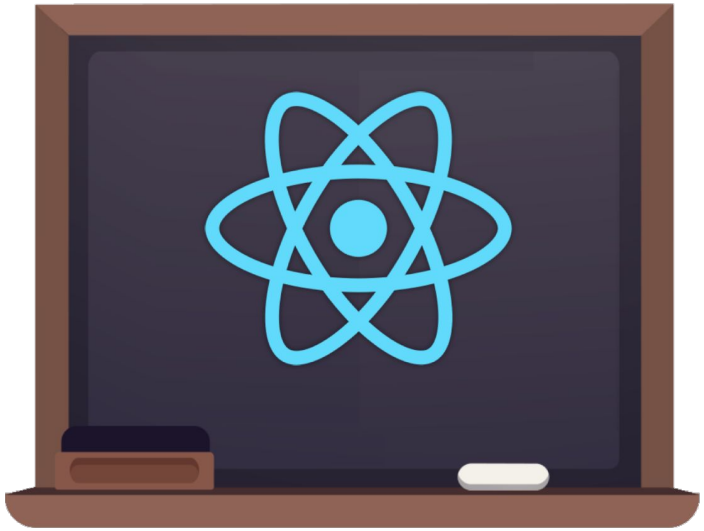

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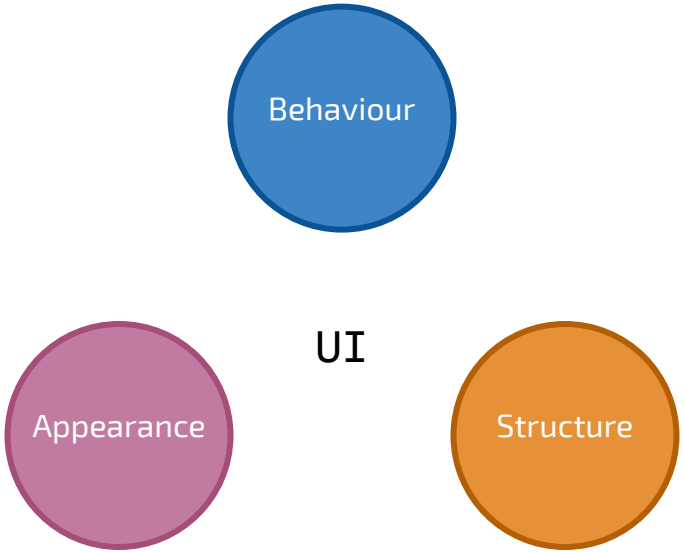
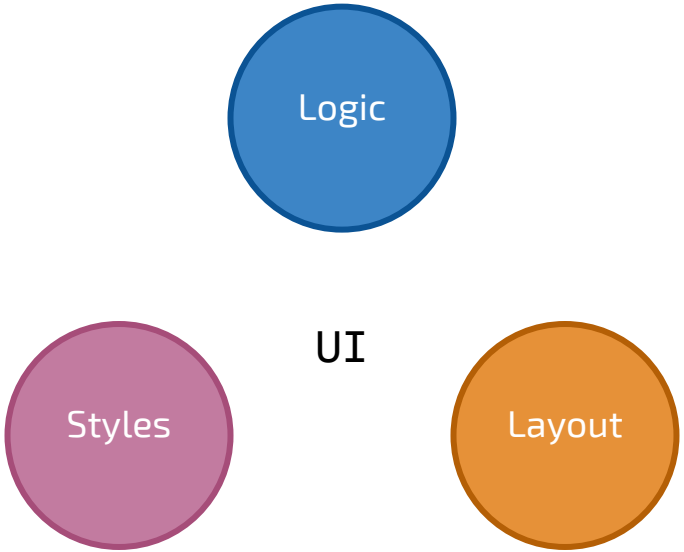
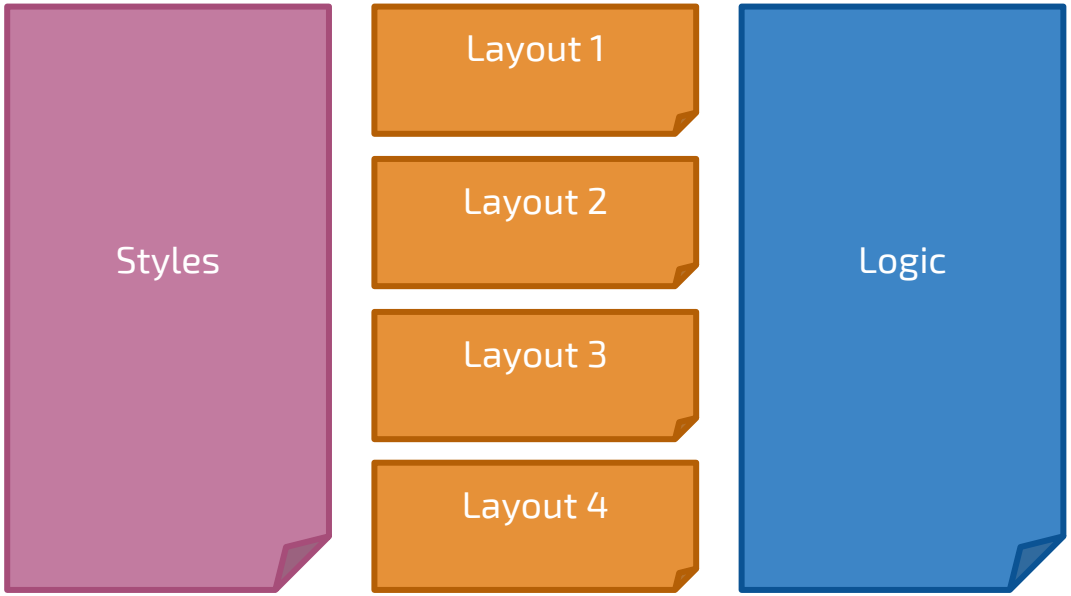
Design systems – Interface attributes



Design systems – Web interface attributes



Design systems – Classic frontend architecture



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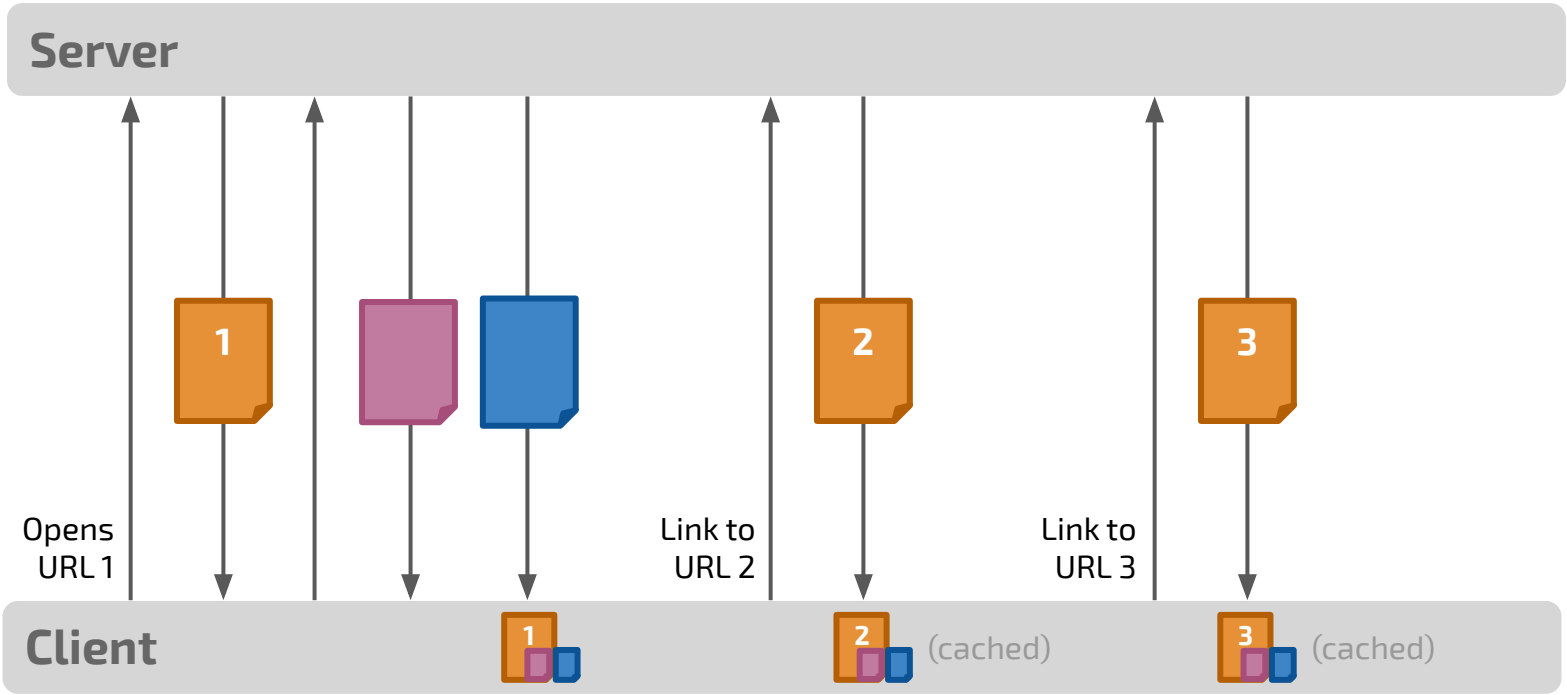

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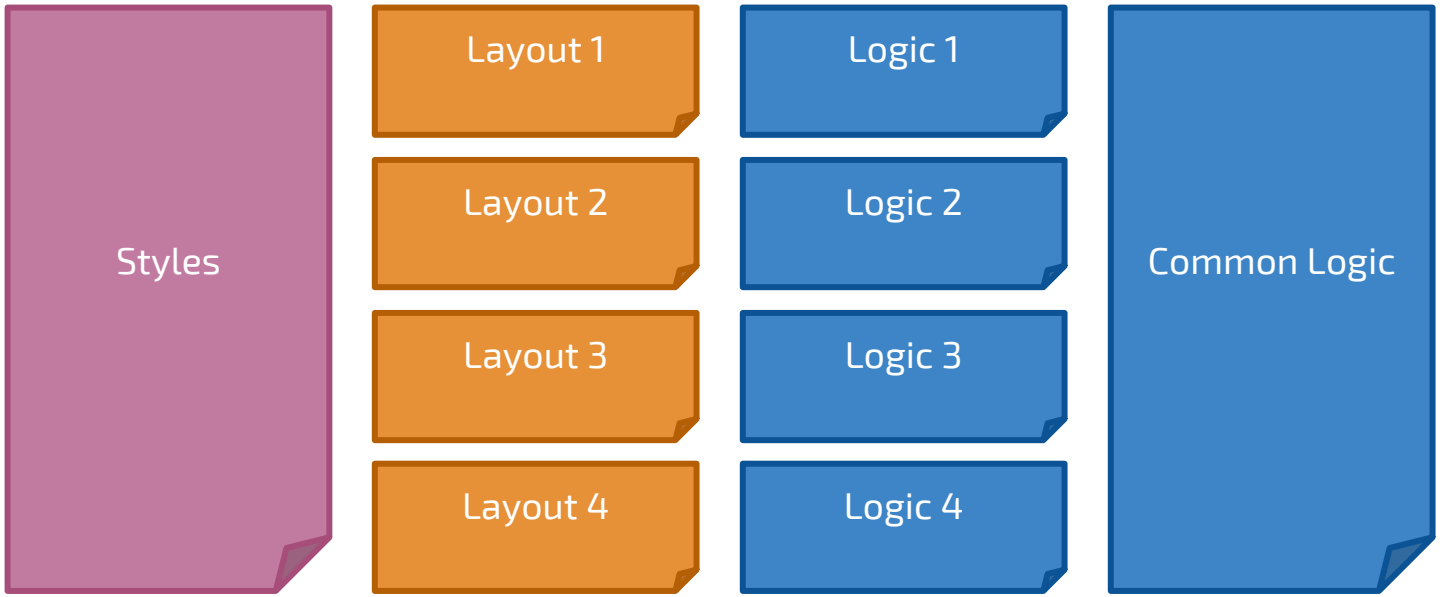

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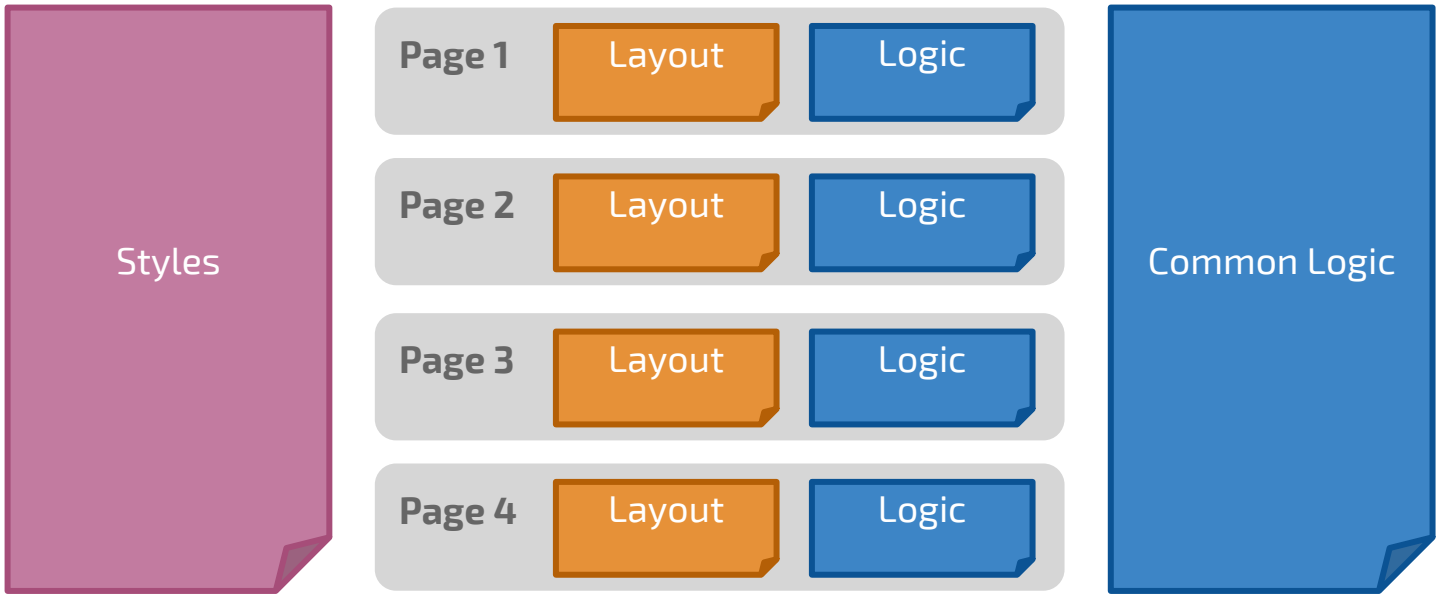

Design systems – Components-based architecture

> We're not designing pages.
> We're designing systems of components."

Stephen Hay - Author of Responsive Design Workflow

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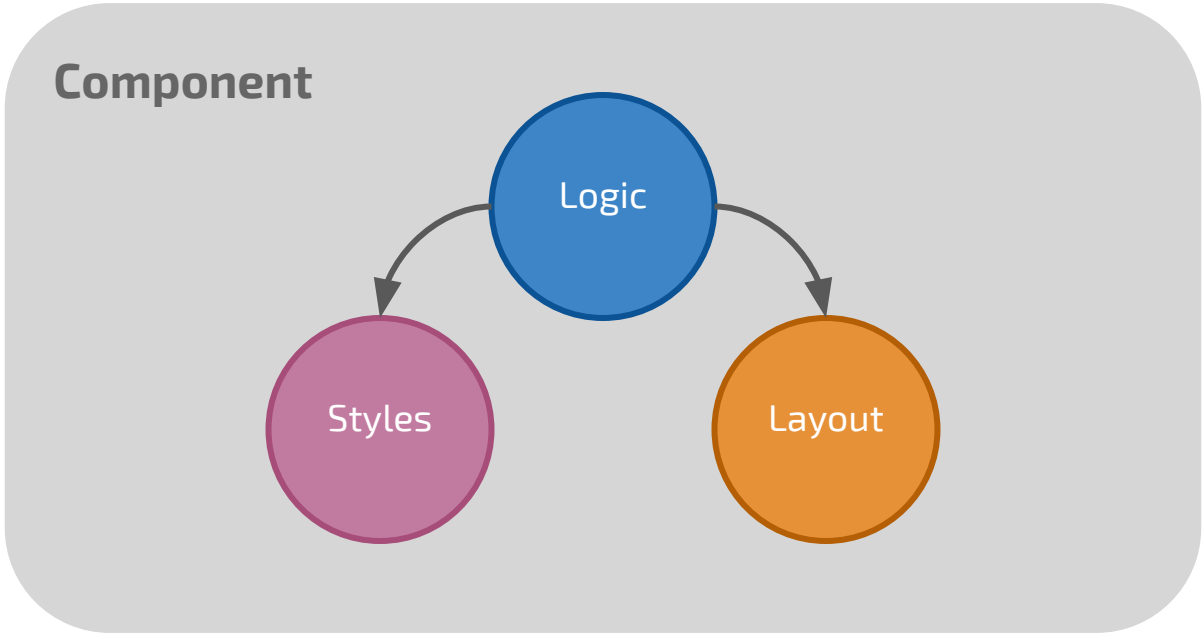
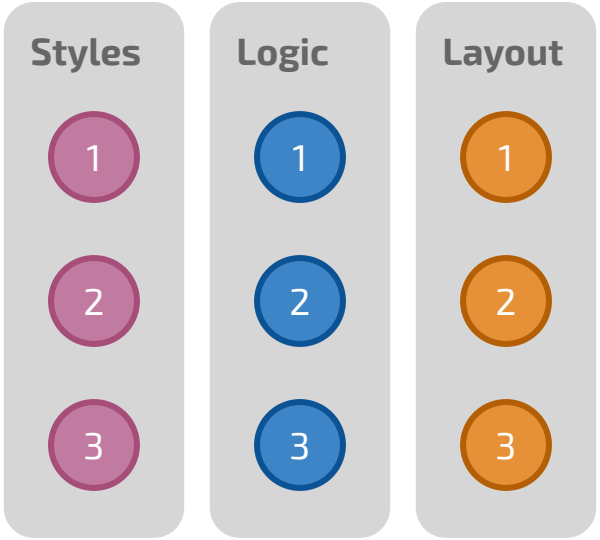
Design systems – Components-based architecture



Design systems – Components-based architecture



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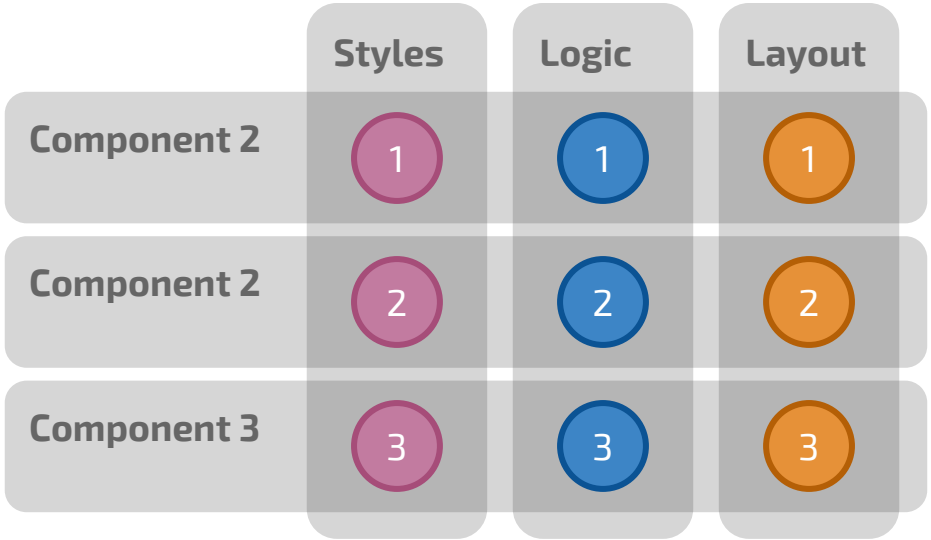

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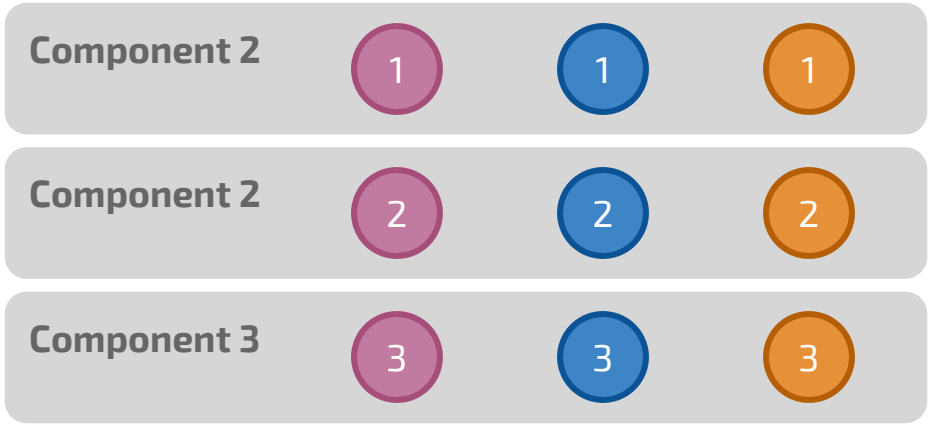

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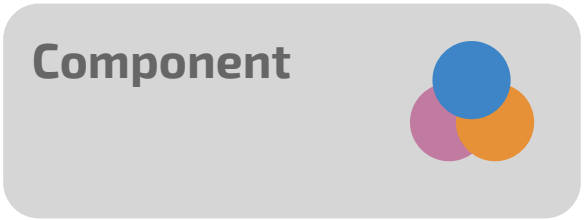
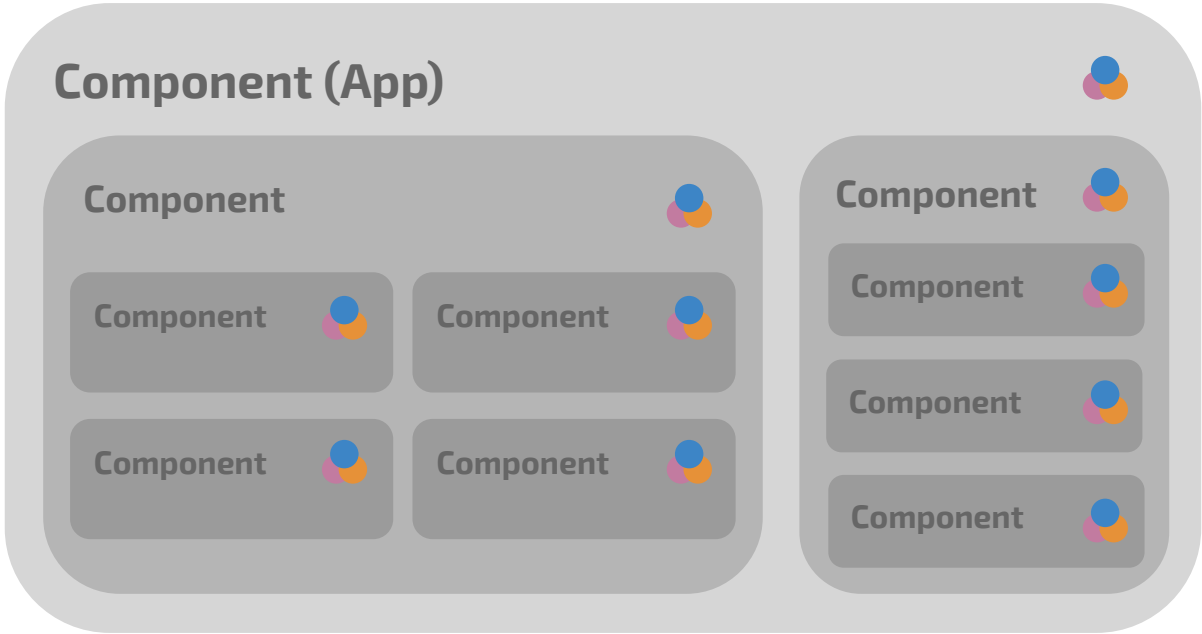
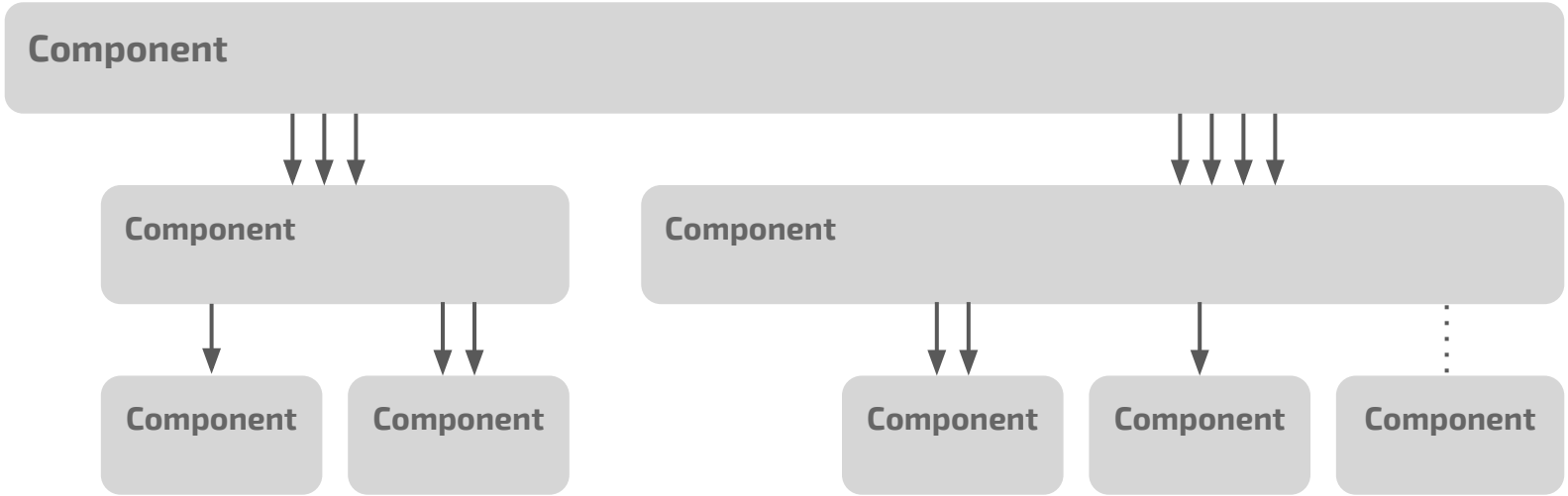


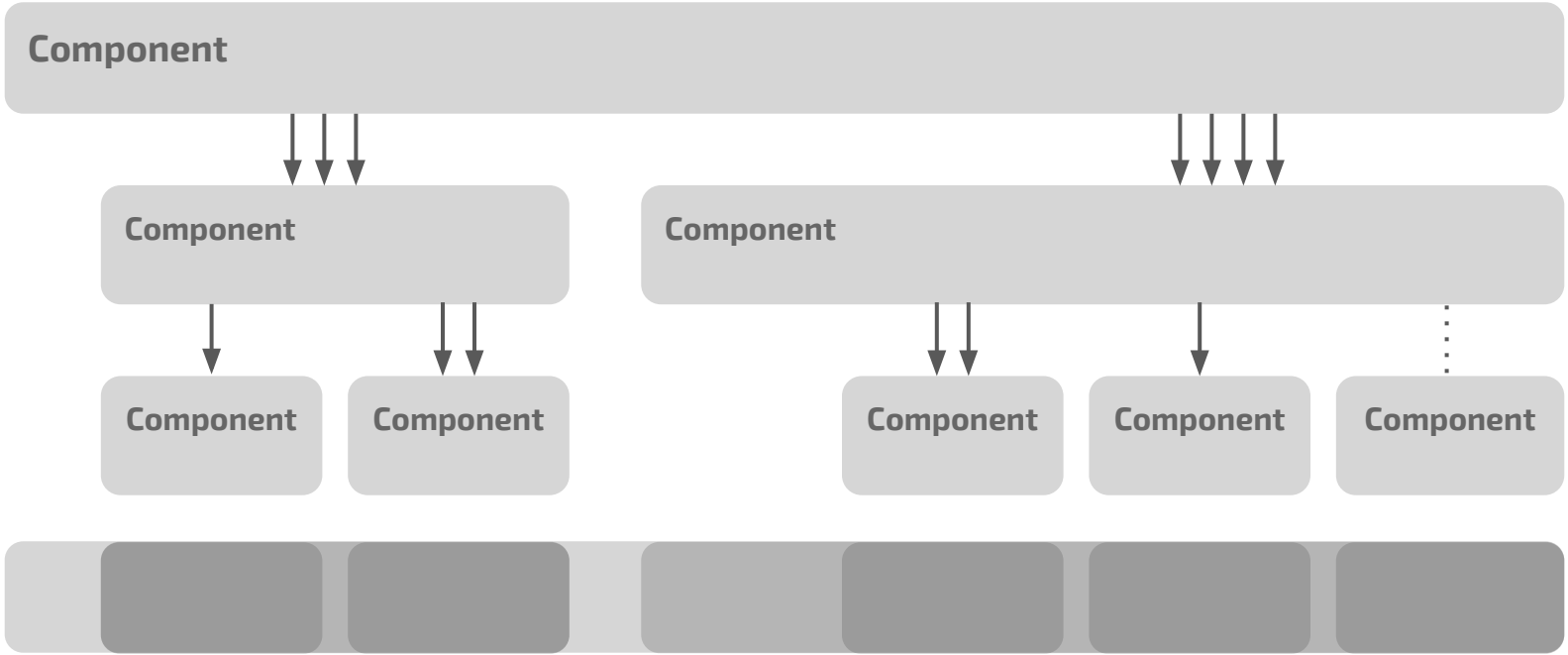
Design systems – Components-based architecture



Design systems – Components-based architecture



Design systems – Components-based architecture



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Design systems – Atomic design

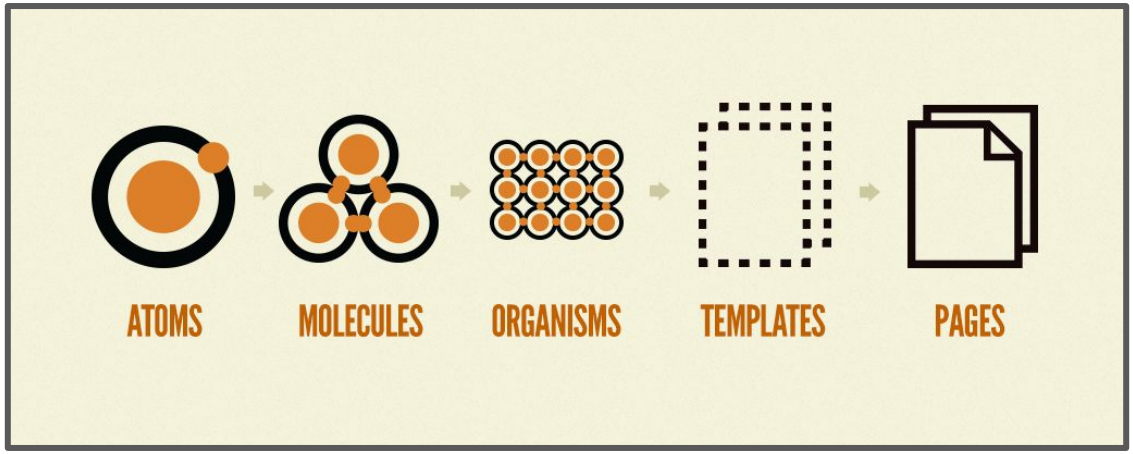


Image from atomicdesign.bradfrost.com

Design systems – Atomic design: Atom

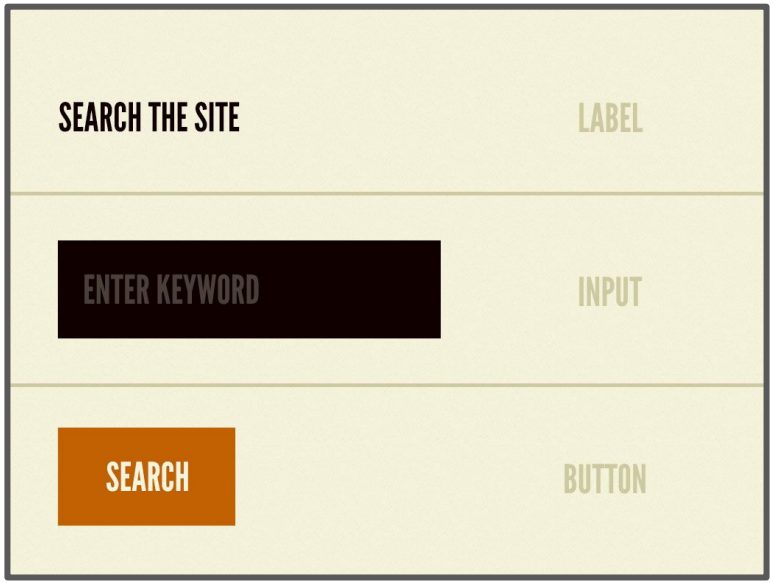


Image from atomicdesign.bradfrost.com

Design systems – Atomic design: Molecule

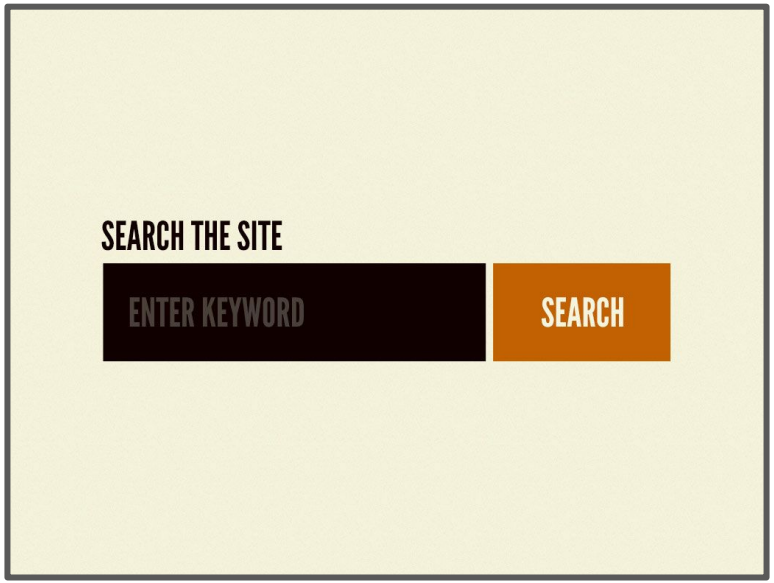


Image from atomicdesign.bradfrost.com

Design systems – Atomic design: Organism

Image from atomicdesign.bradfrost.com

Design systems – Atomic design: Template

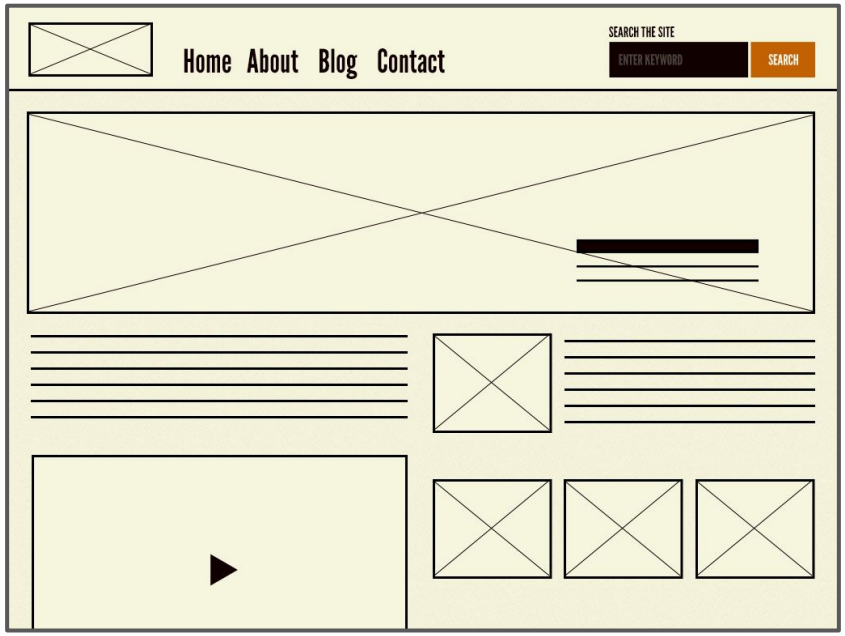


Image from atomicdesign.bradfrost.com

Design systems – Atomic design: Page

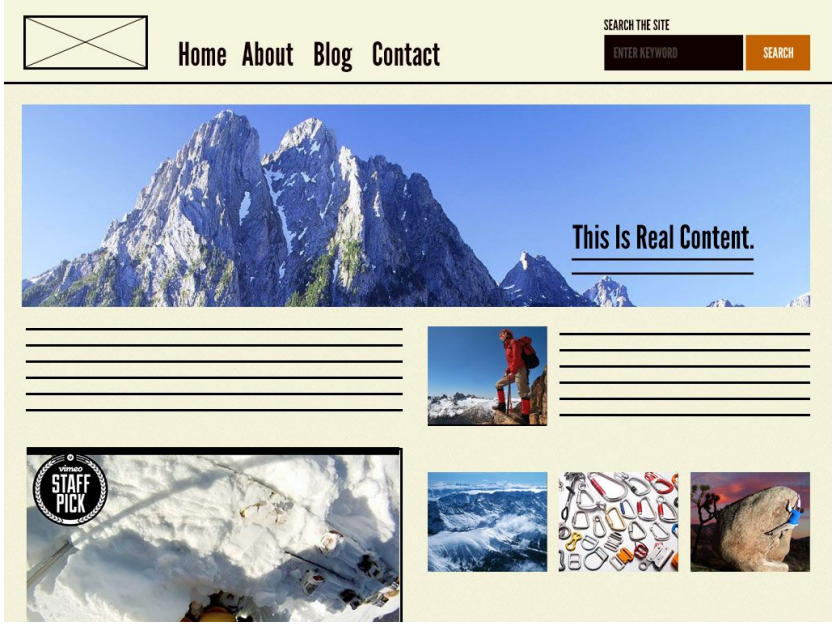


Image from atomicdesign.bradfrost.com

ATOMS

PHOTO

XXXXXX likes

thisistheusersinstagramhandle

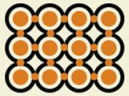
2h

Lorem ipsum dolor sit amet, consectetur adipisici

150 x 150

1080 x 1080

MOLECULES



ORGANISMS

TEMPLATES

PAGES

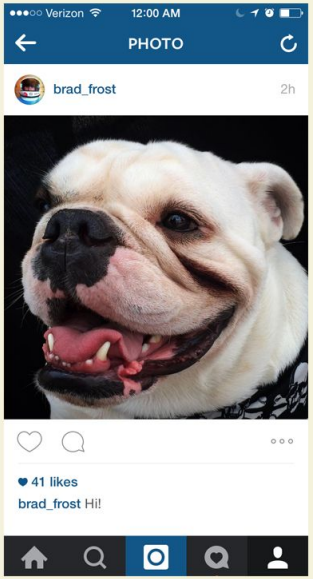
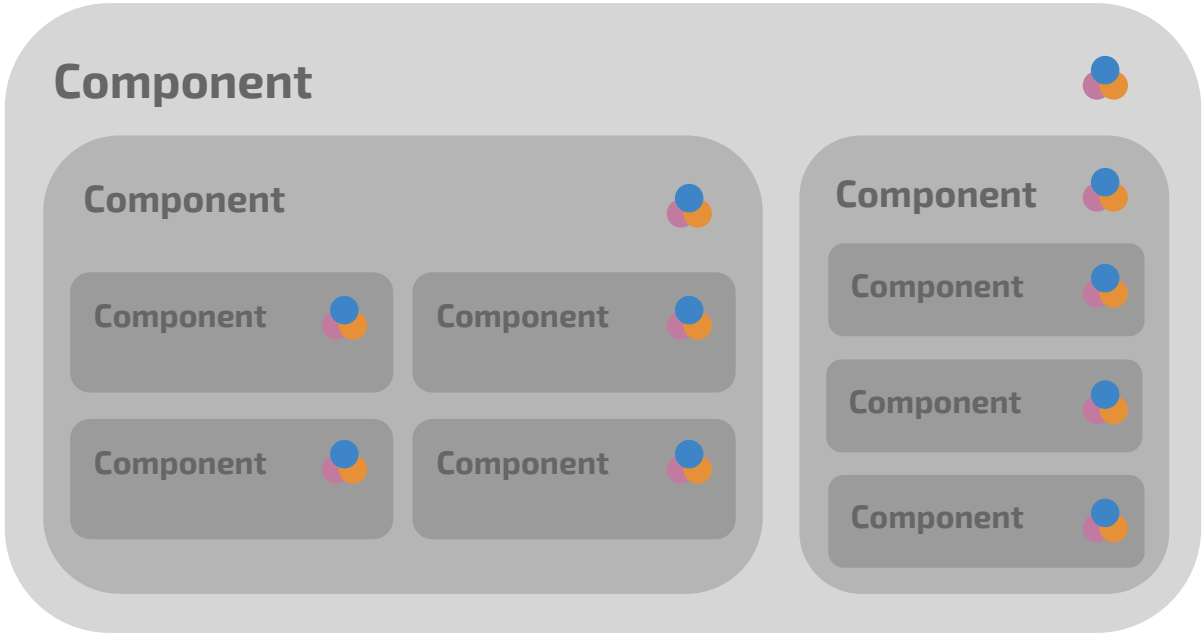
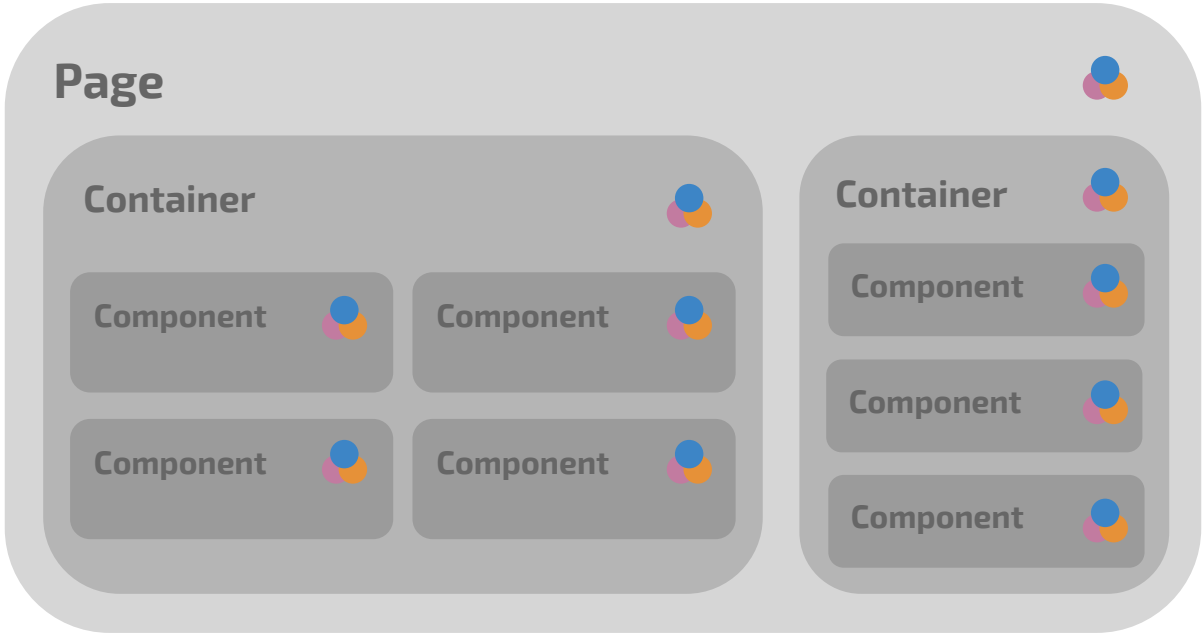


Image from atomicdesign.bradfrost.com

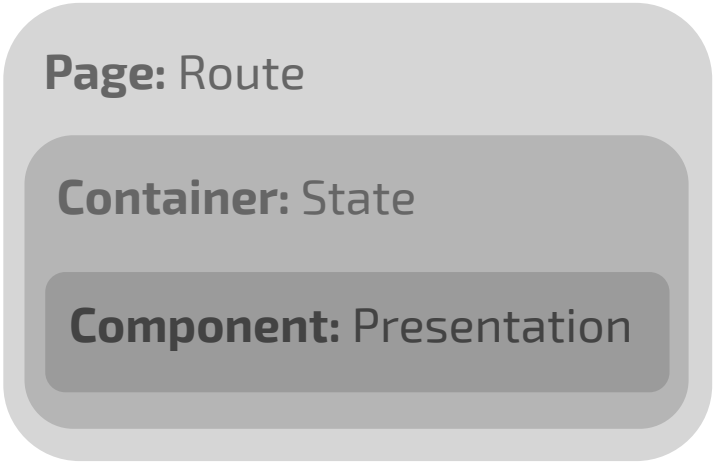
Design systems – Components-based architecture



Design systems – Components-based architecture



Design systems – Components-based architecture



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Renderization

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Renderization

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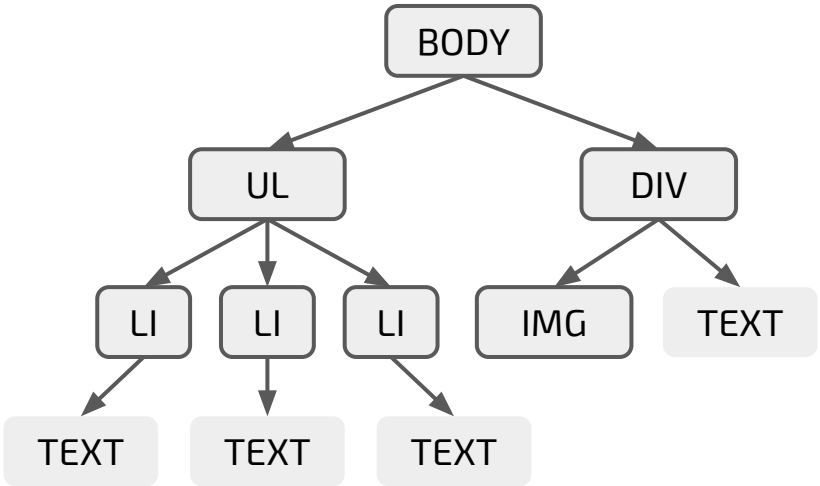
View

v1

```
<body>
  <ul>
     <li>One </li>
     <li>Two </li>
     <li>Three </li>
  </ul>
  <div class="my-class">
     <img src="./profile.png"></script>
     Some image description
  </div>
</body>
```

DOM



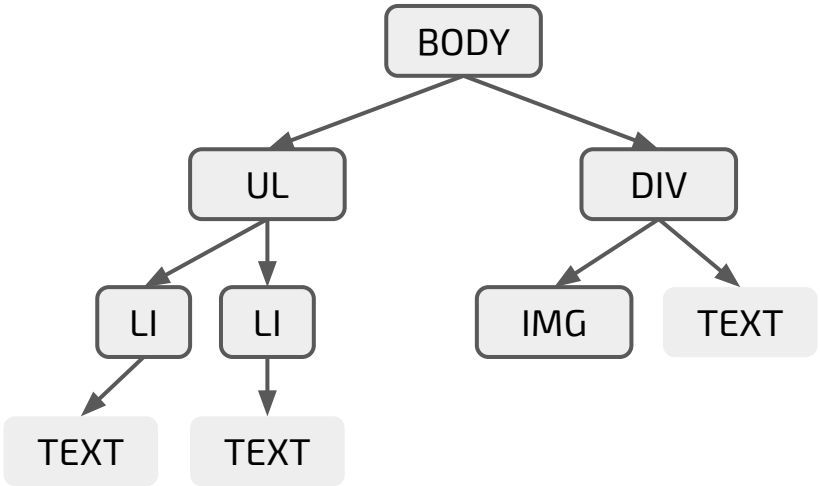
React Anatomy – Reconciliation

View

v2

```
<body>
  <ul>
    <li>One </li>
    <li>Two </li>
  </ul>
  <div class="my-class">
    <img src="./profile.png"></script>
    Some image description
  </div>
</body>
```

DOM



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React Anatomy – Reconciliation

View

v2

```
<body>
  <ul>
     <li>One </li>
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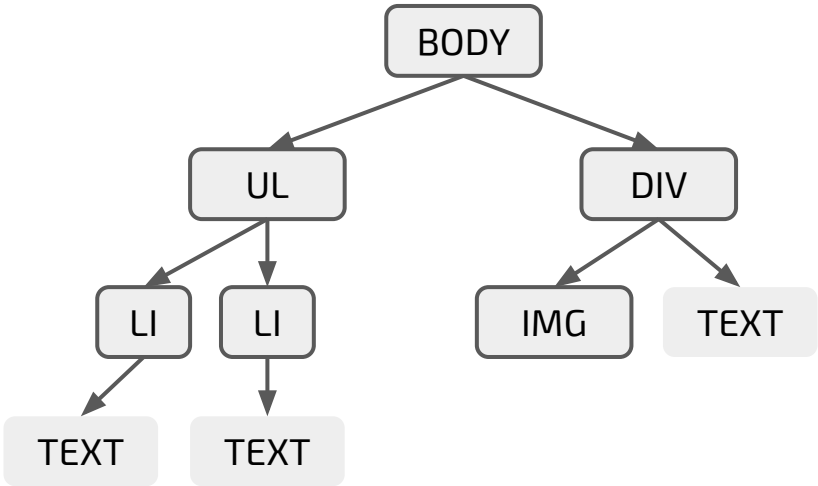

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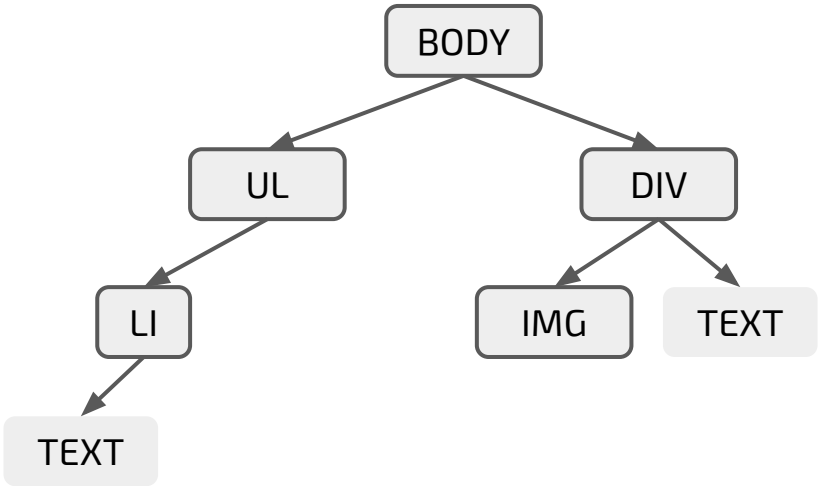
React Anatomy – Reconciliation

View

v3

```
<body>
  <ul>
    <li>One </li>
  </ul>
  <div class="my-class">
    <img src="./profile.png"></script>
    Some image description
  </div>
</body>
```

DOM



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View

v3

```
<body>
  <ul>
     <li>One </li>
  </ul>
  <div class="my-class">
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</body>
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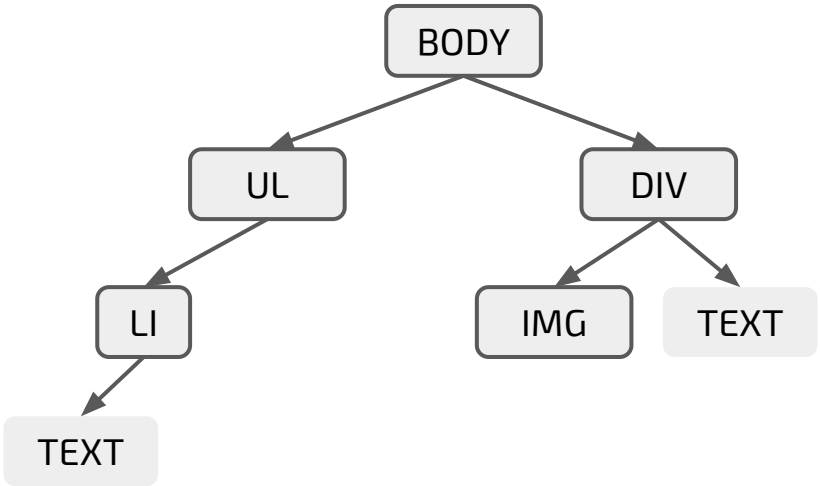
DOM



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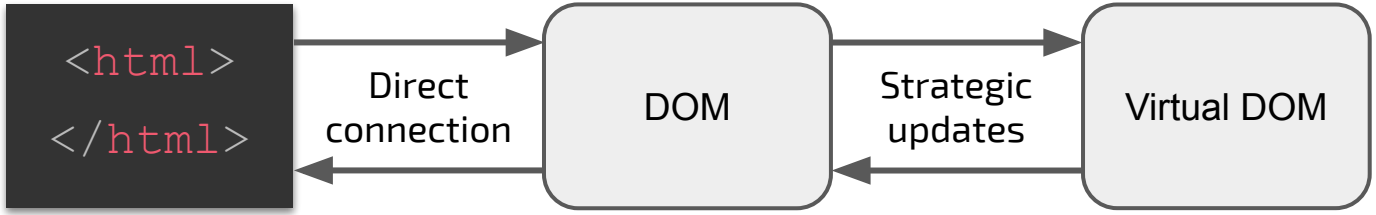

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React Anatomy – Reconciliation

View

v1

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  </div>
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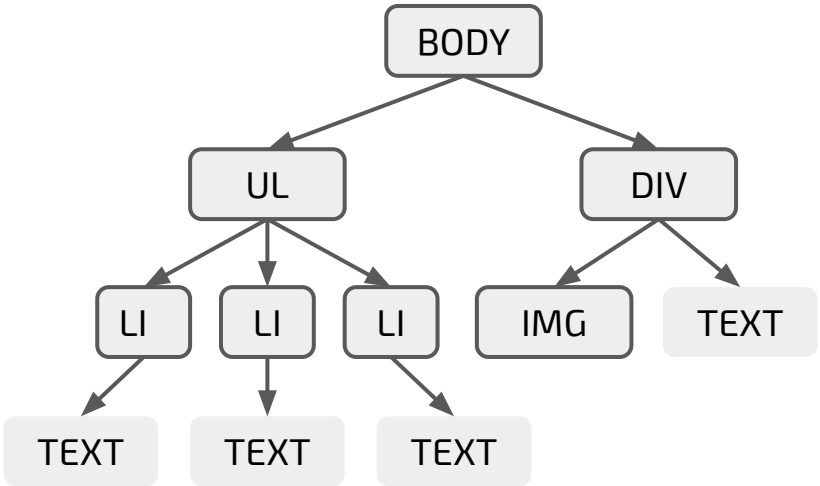
```

VIRTUAL DOM



React Anatomy – Reconciliation

View

v1

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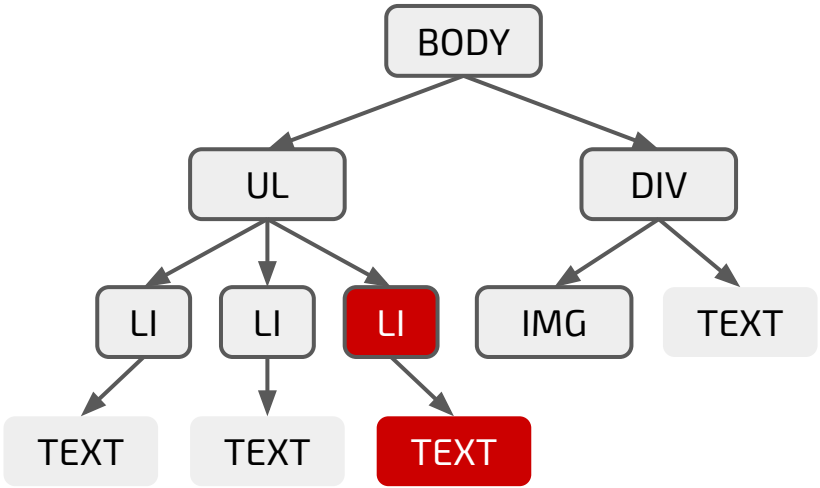

React Anatomy – Reconciliation

View

v1

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    <li key="1">One </li>
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    <li key="3">Three </li>
  </ul>
  <div class="my-class">
    <img src="./profile.png"></script>
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  </div>
</body>
```
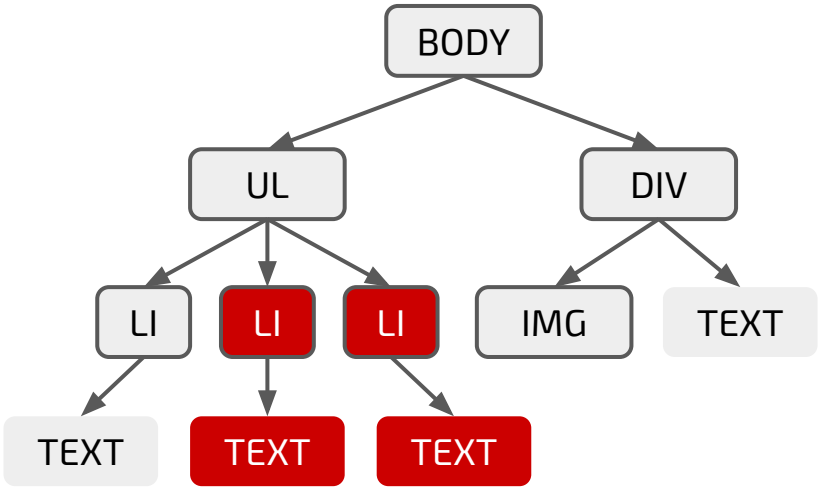

VIRTUAL DOM



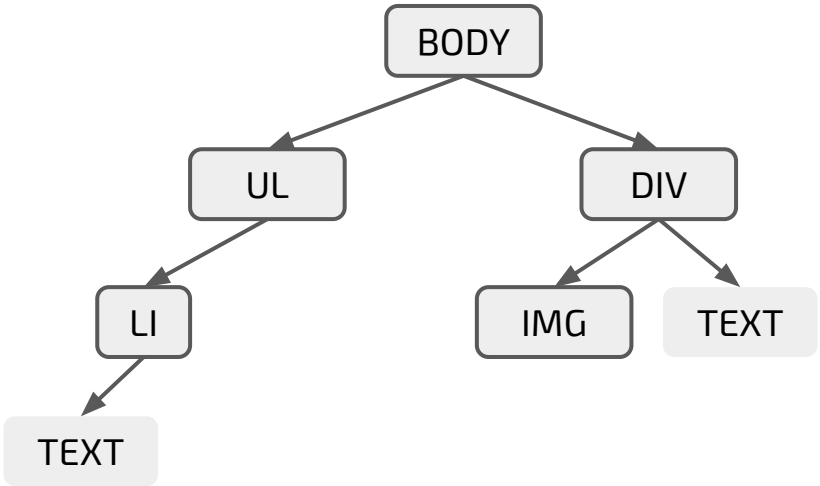
React Anatomy - Reconciliation

View

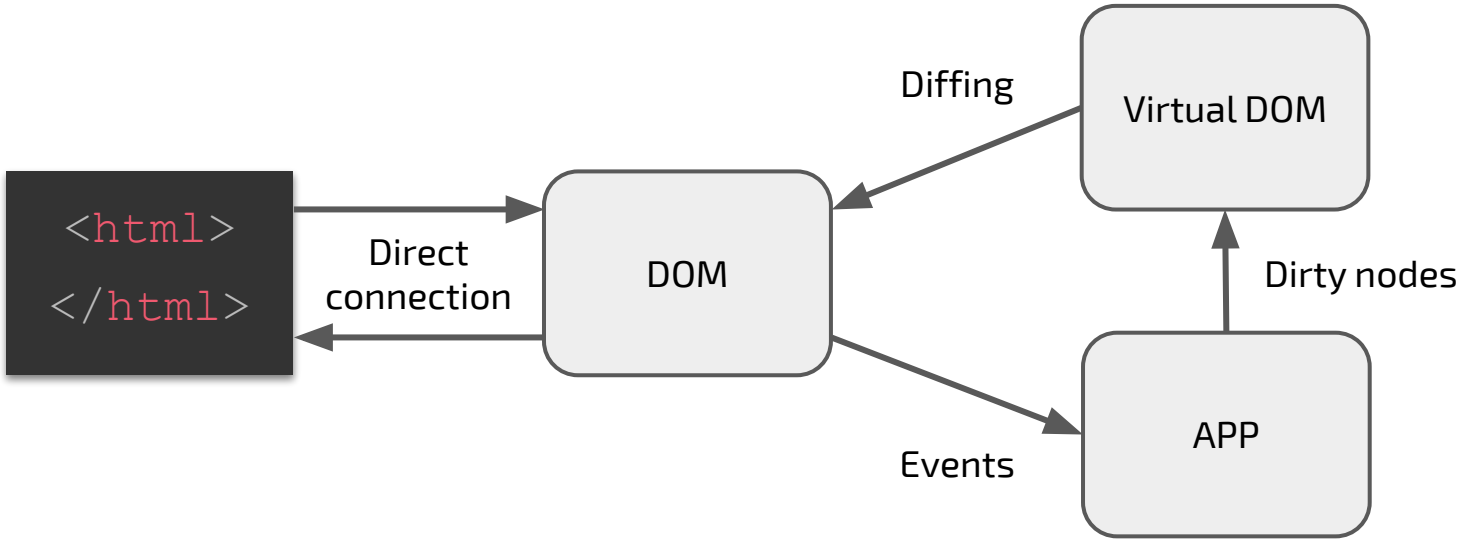
v2

```
<body>
  <ul>
     <li>One </li>
  </ul>
  <div class="my-class">
     <img src="./profile.png"></script>
     Some image description
  </div>
</body>
```

VIRTUAL DOM



React Anatomy - Reconciliation



React Anatomy

Reconciliation

Renderization

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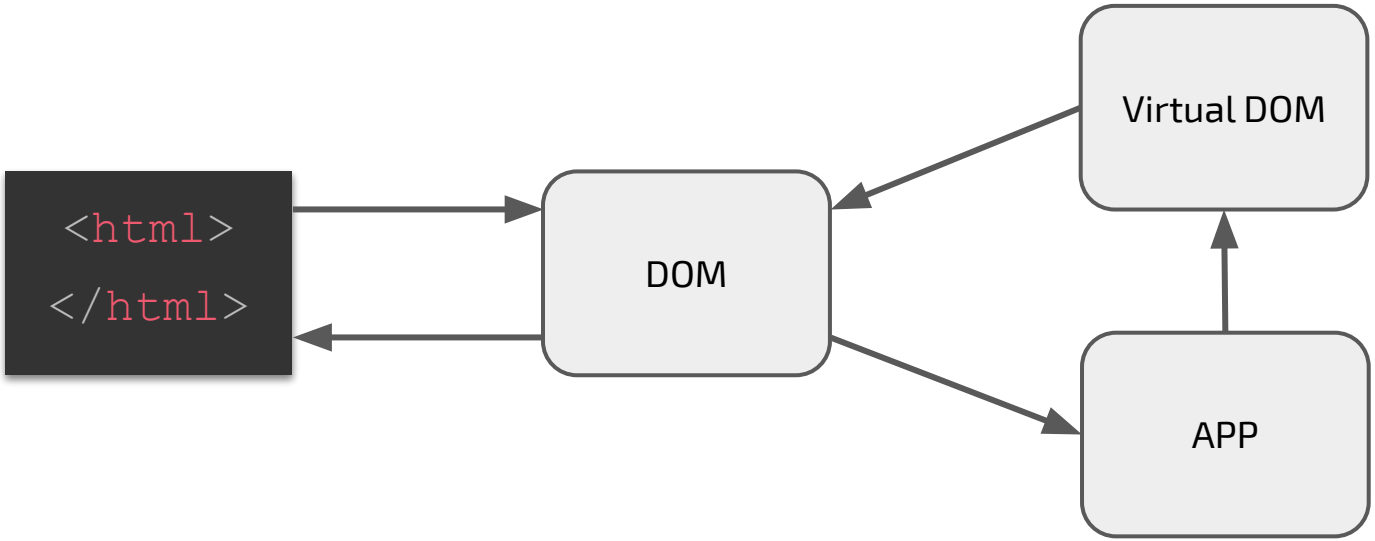
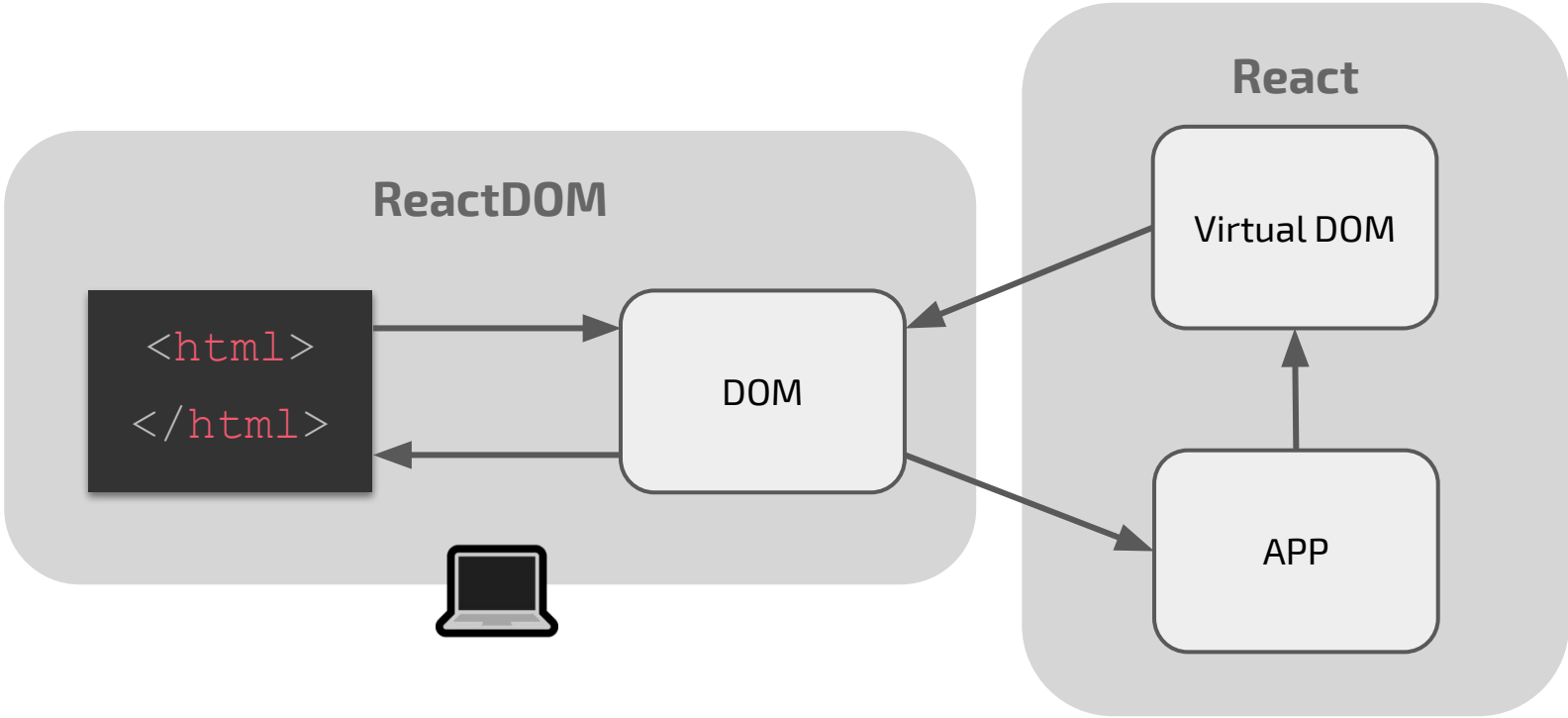


React Anatomy - Renderization



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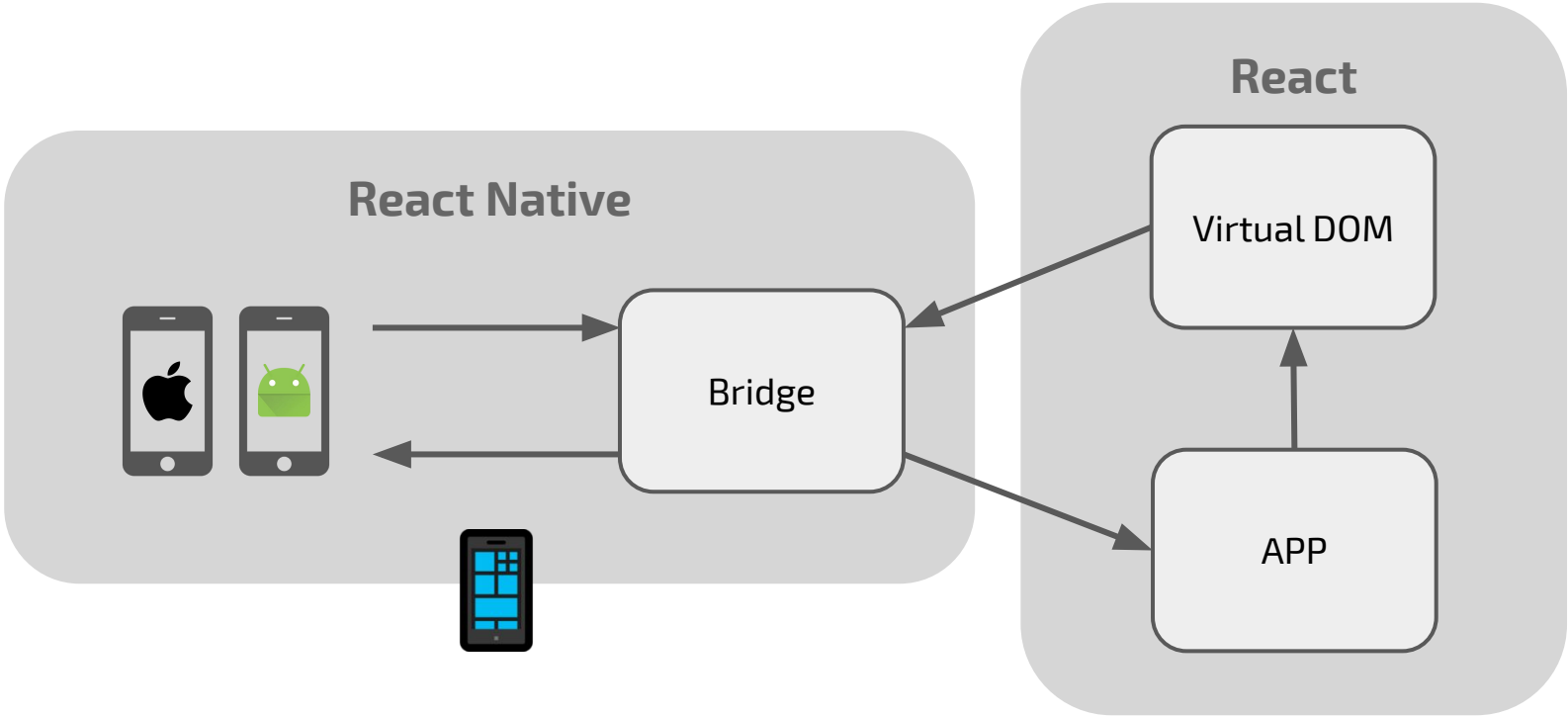

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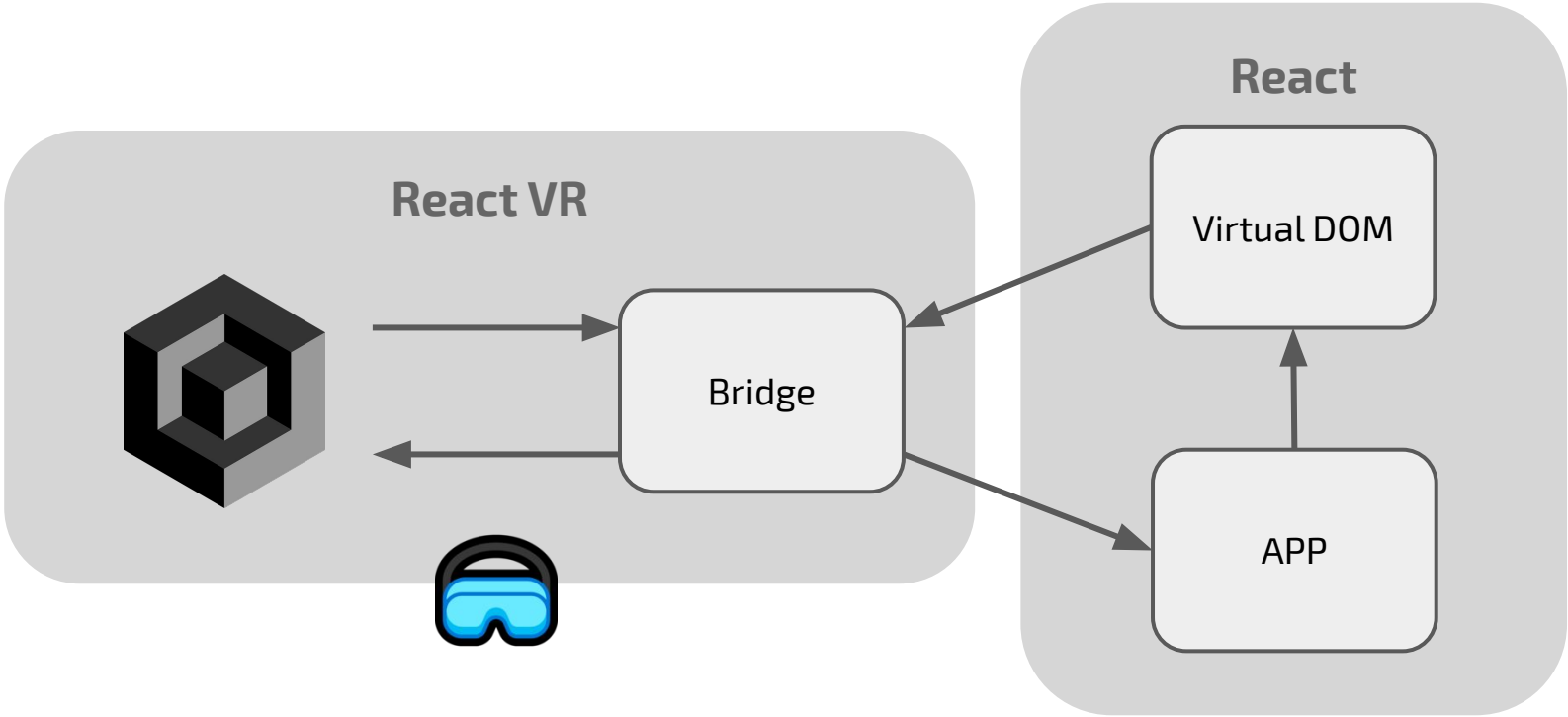

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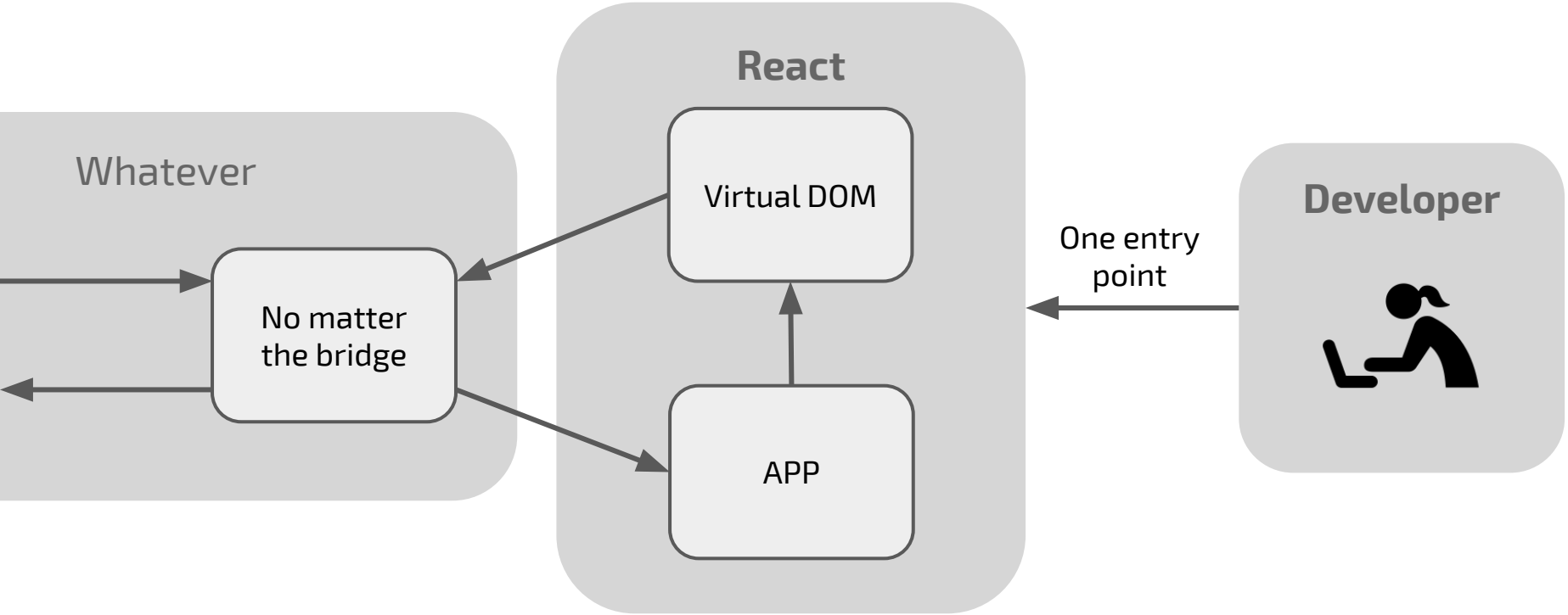

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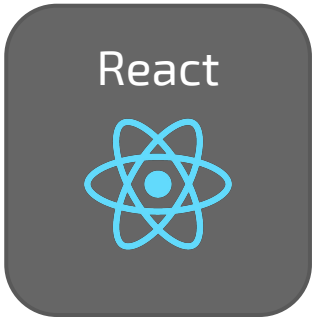
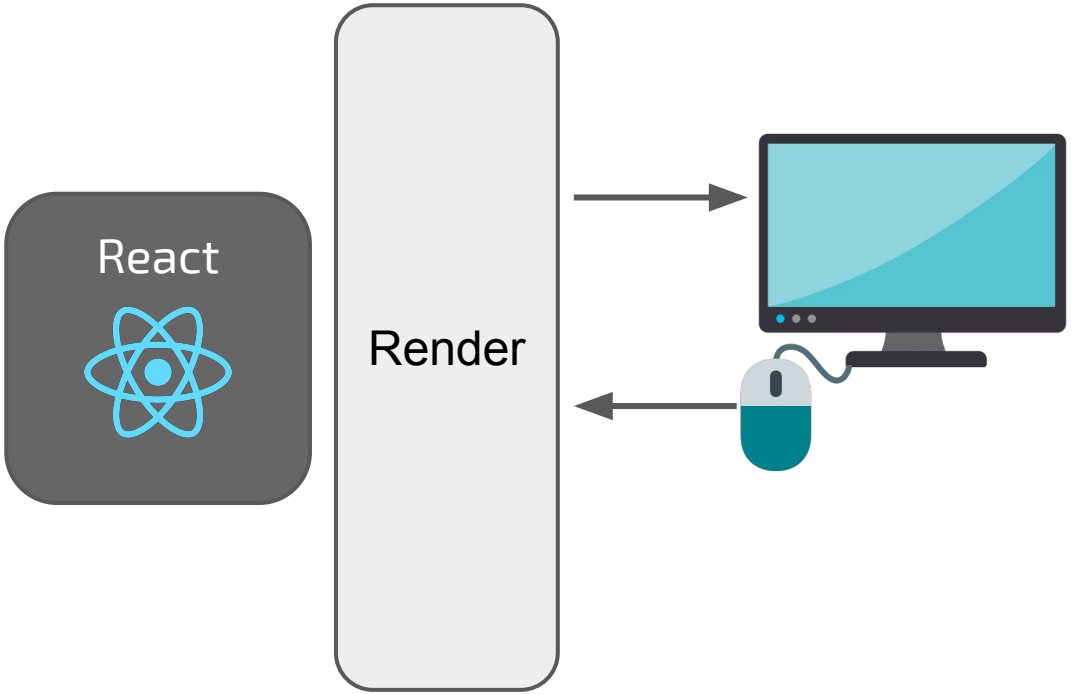
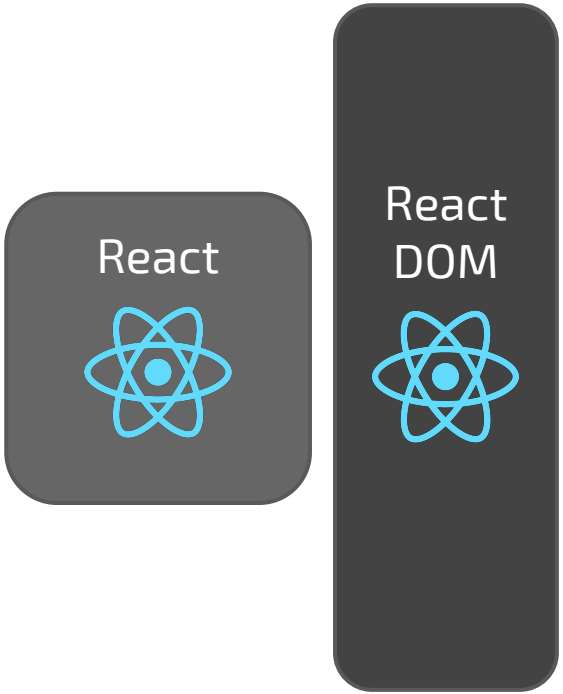
React Ecosystem



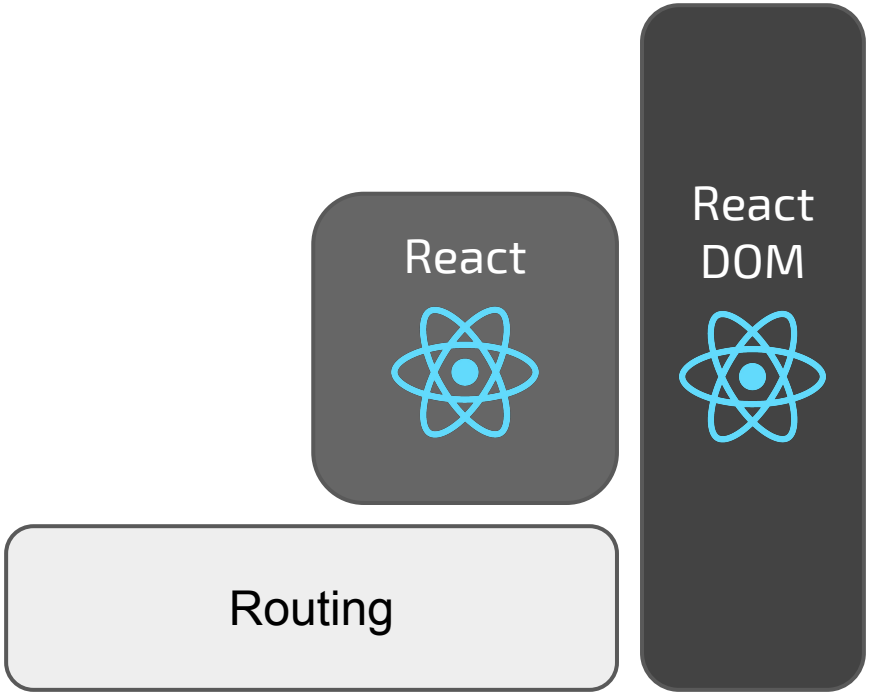
React Ecosystem



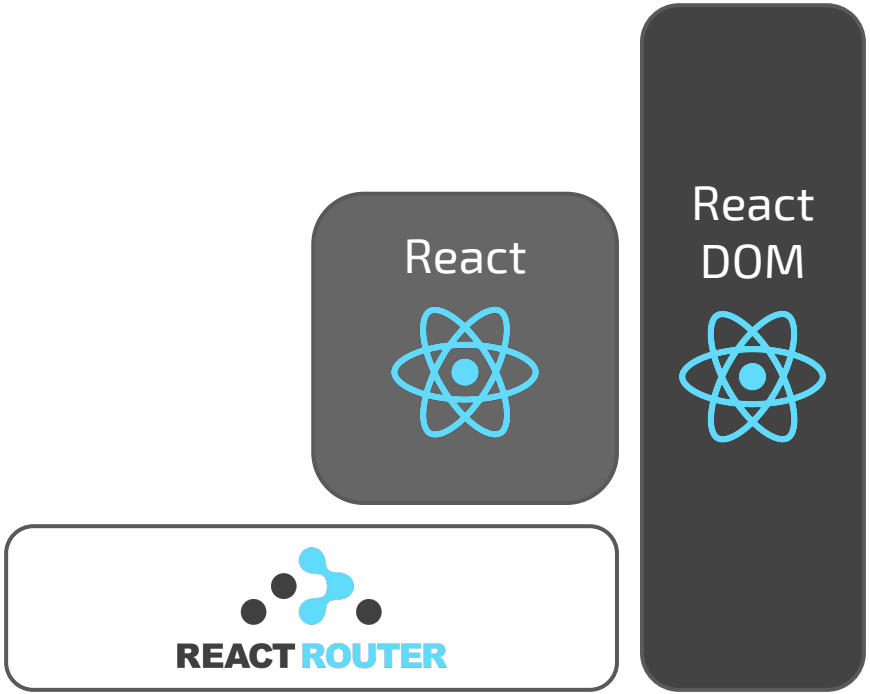
React Ecosystem



React Ecosystem



React Ecosystem



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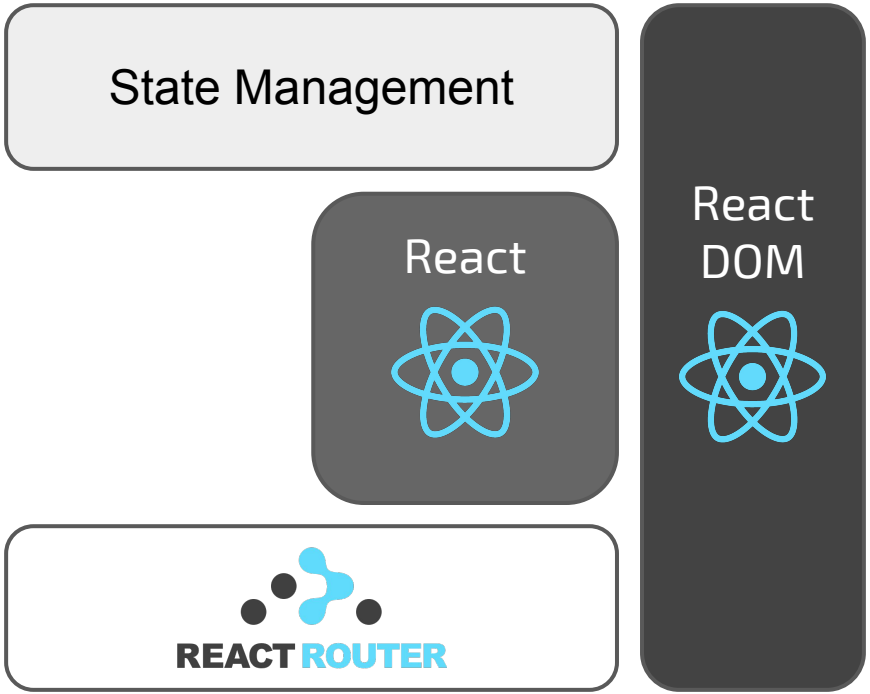

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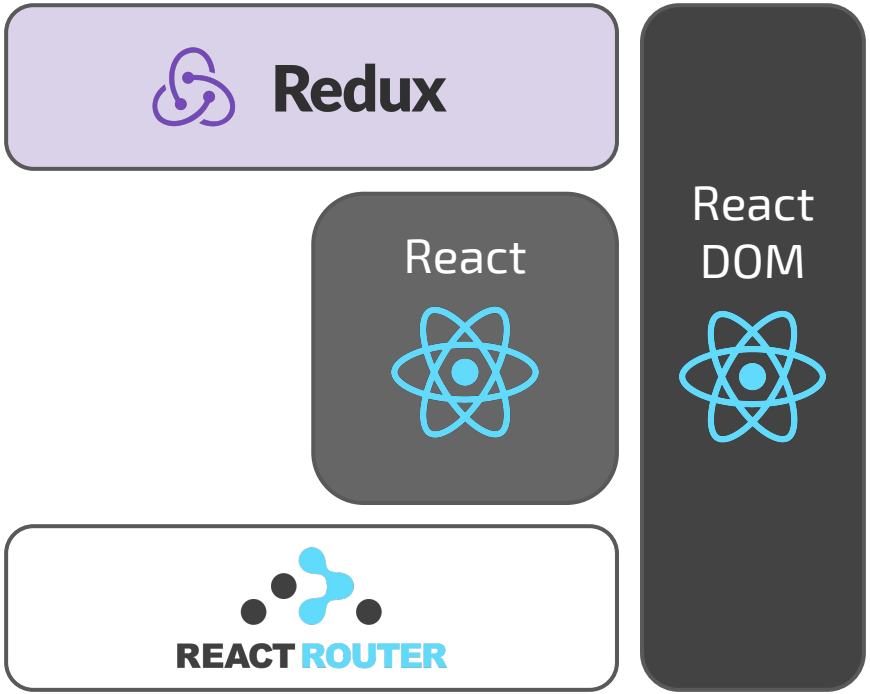

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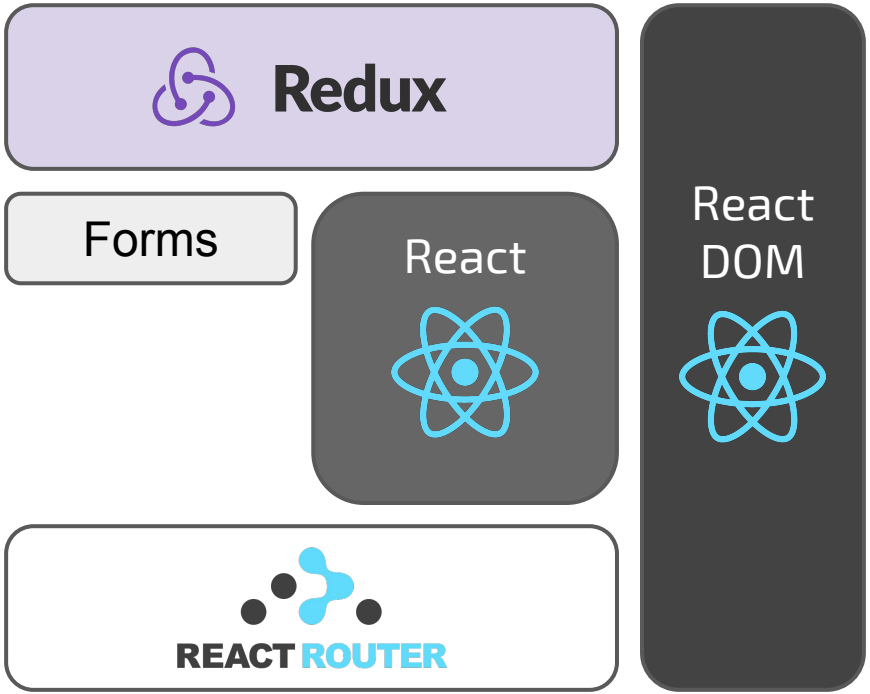

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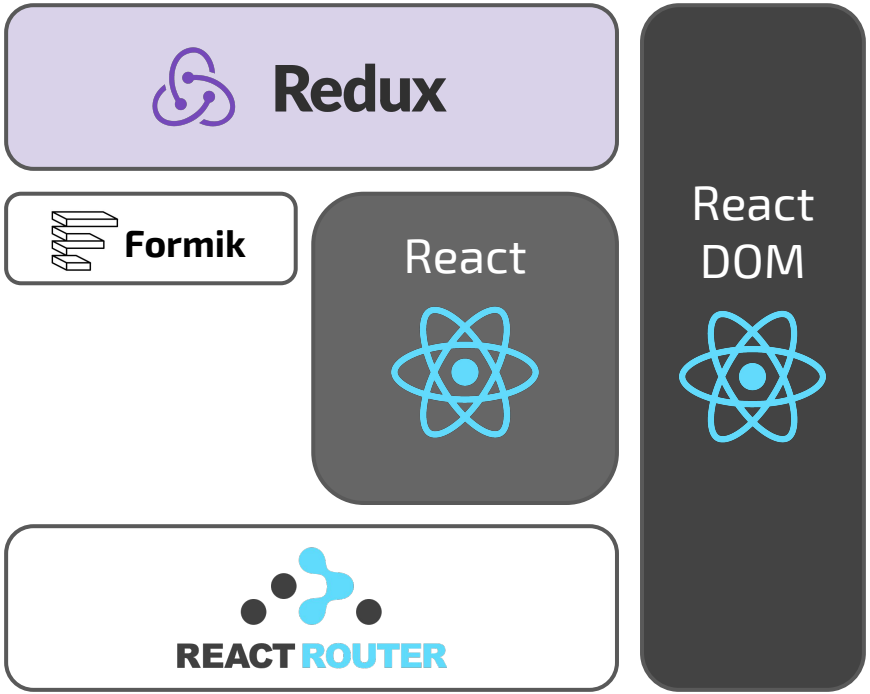

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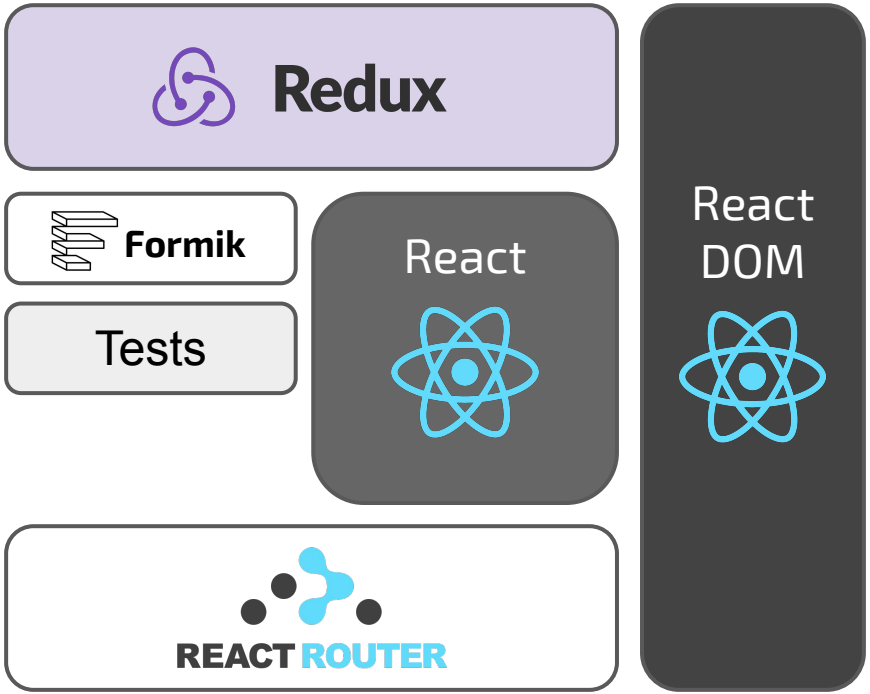

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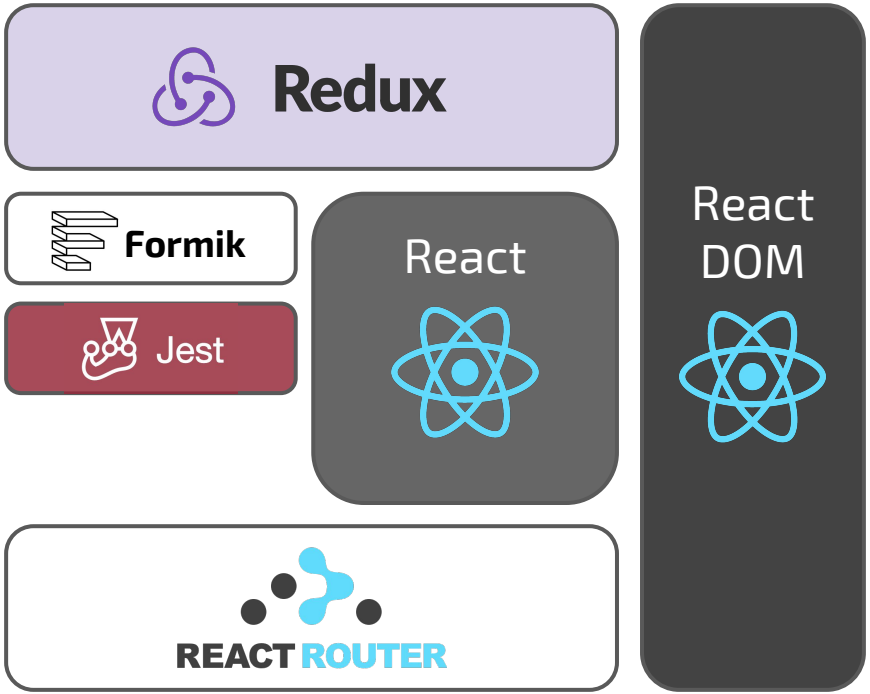

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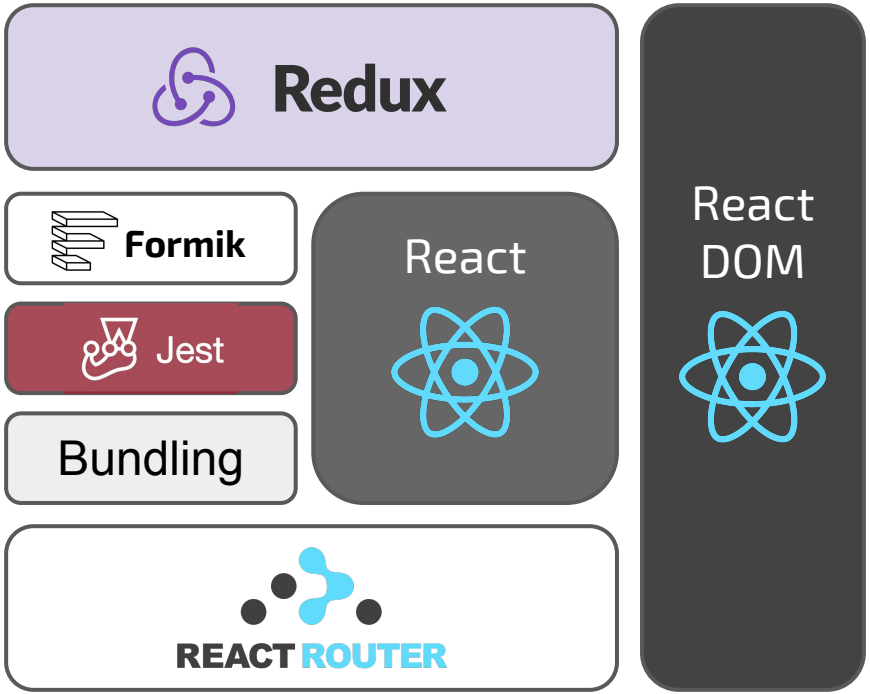

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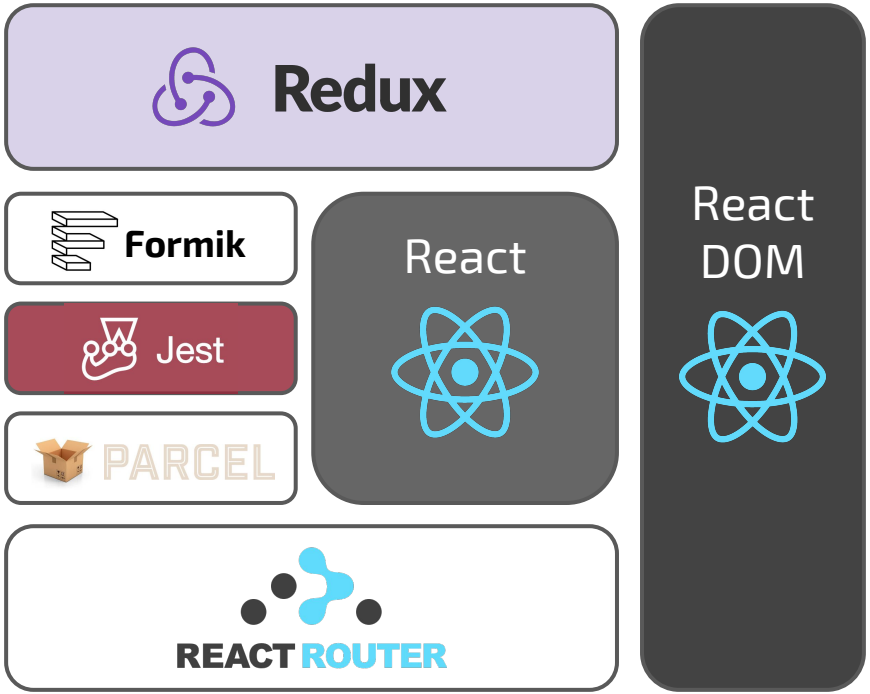


Index

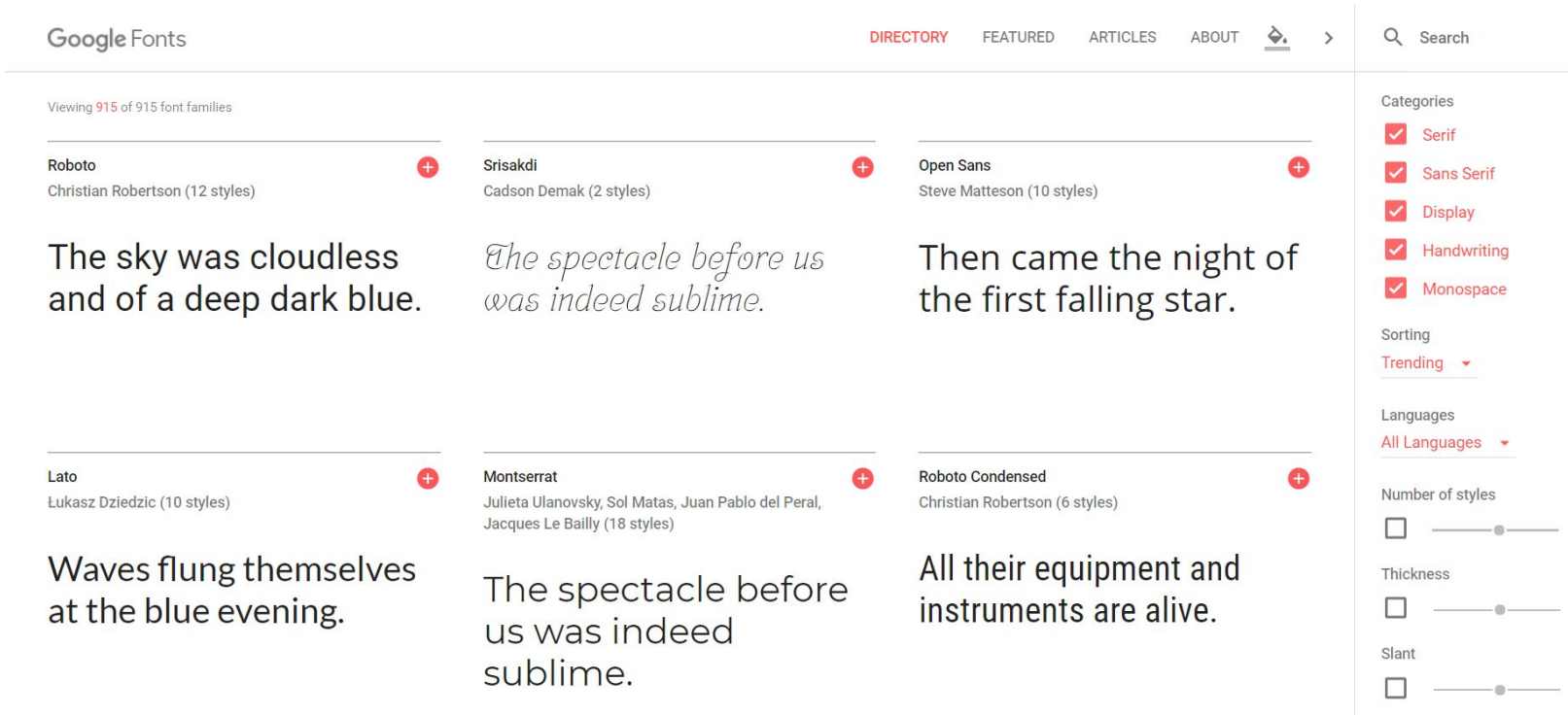
- ✅ Design systems
- ✅ Modern Javascript
- ✅ React anatomy
- ✅ React Ecosystem

Exercises!

1. Extract atoms, molecules, organisms, and template of the page displayed at fonts.google.com.

2. Try to build a different template from the same elements.

Exercises!


Google Fonts
DIRECTORY
FEATURED
ARTICLES
ABOUT
Search
Viewing 915 of 915 font families
Roboto
Christian Robertson (12 styles)
The sky was cloudless and of a deep dark blue.
Srisakdi
Cadson Demak (2 styles)
The spectacle before us was indeed sublime.
Open Sans
Steve Matteson (10 styles)
Then came the night of the first falling star.
Lato
Łukasz Dziedzic (10 styles)
Waves flung themselves at the blue evening.
Montserrat
Julieta Ulanovsky, Sol Matas, Juan Pablo del Peral, Jacques Le Bailly (18 styles)
The spectacle before us was indeed sublime.
Roboto Condensed
Christian Robertson (6 styles)
All their equipment and instruments are alive.
Categories
Serif
Sans Serif
Display
Handwriting
Monospace
Sorting
Trending
Languages
All Languages
Number of styles
Thickness
Slant

1. Fundamentals

Introduction to React