

REACTJS



PRZEMYSŁAW WISZOWATY

HELLO!



software
HUT

TENDERHUT GROUP

meet.js

białystok



.js
k

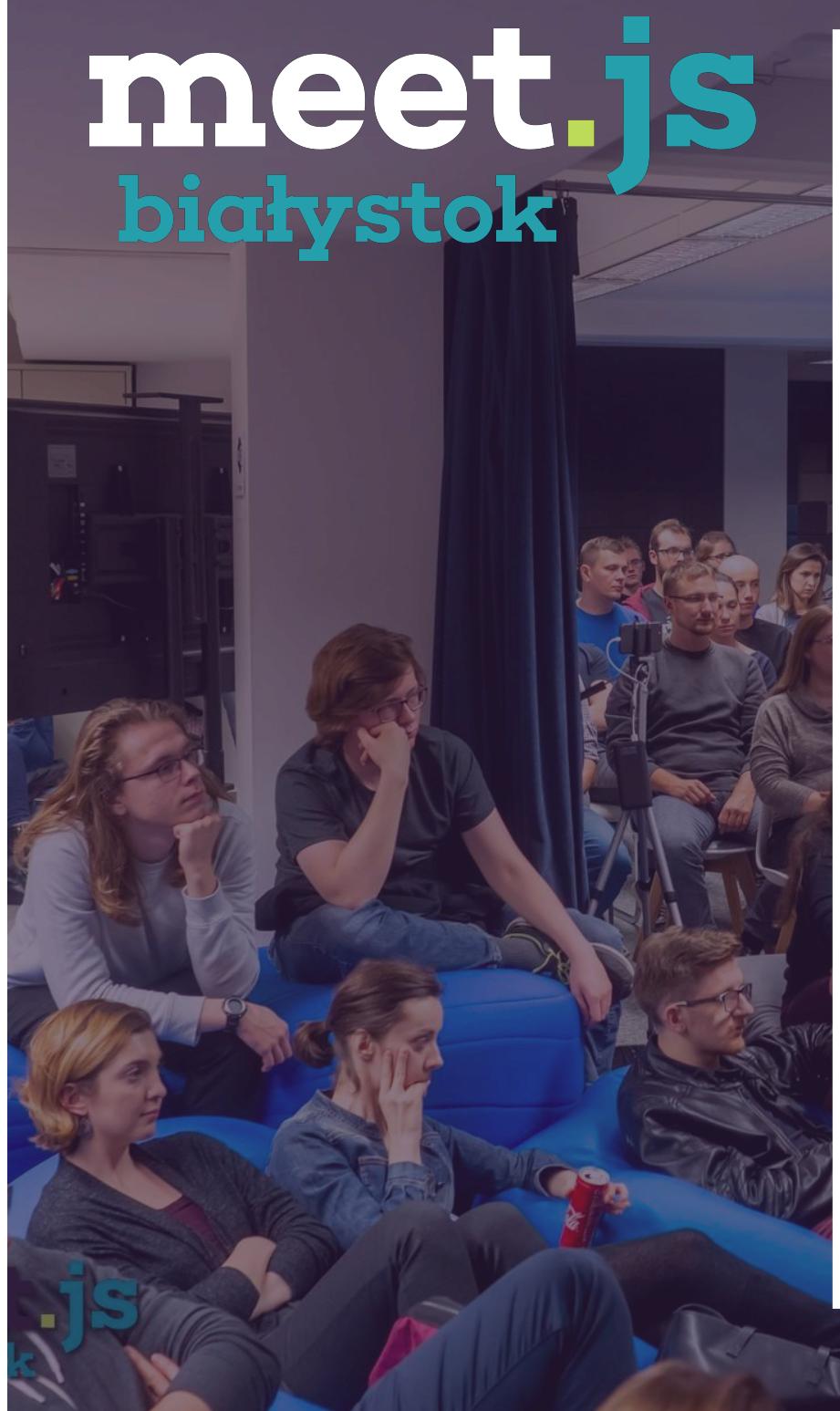
PAWEŁ TADEJKO.COM

meet.js białystok



meet.js

białystok



meet.js

białystok

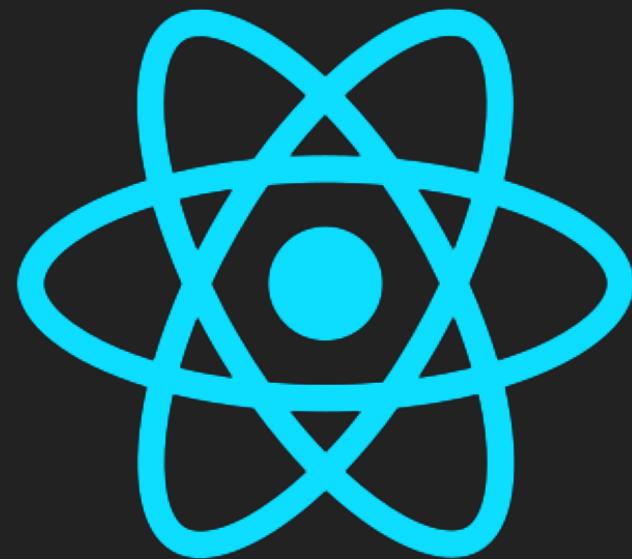


.js
k

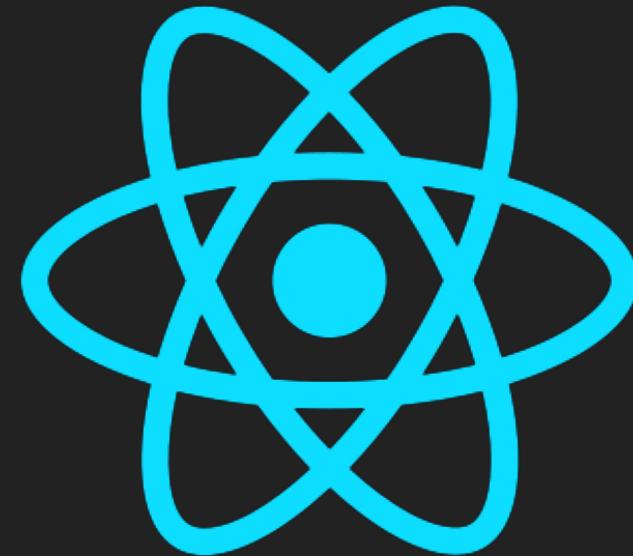
REACT IS EVERYWHERE

„Learn Once, Write Anywhere“

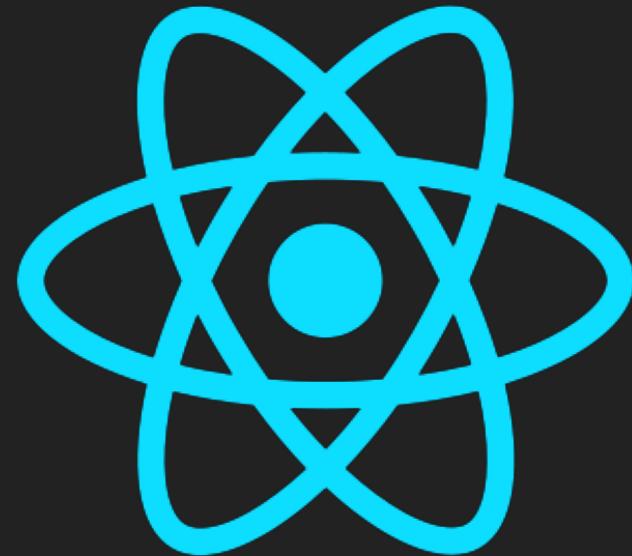
FRONTEND



FRONTEND
BACKEND



FRONTEND
BACKEND
MOBILE



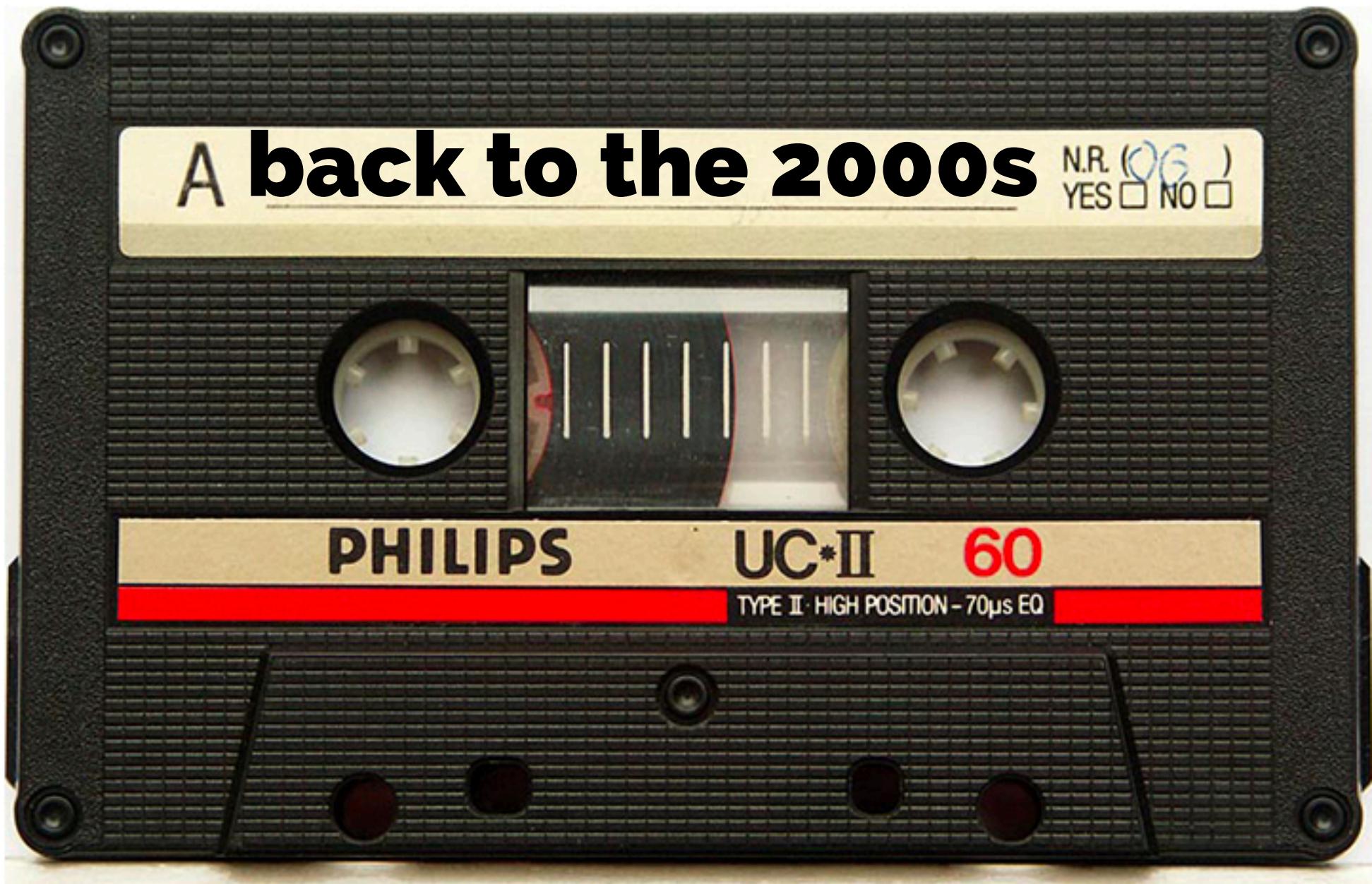
A back to the 2000s

N.R. (OG)
YES NO

PHILIPS

UC-II 60

TYPE II · HIGH POSITION - 70µs EQ



The Geocities-izer

Age Look Like It Was Made By A 13 Year-Old In 1996

Type any URL in the box below and click Submit to see how it would look as a Geocities page.

Or Try one of these:



[The New York Times](#)



[YouTube](#)



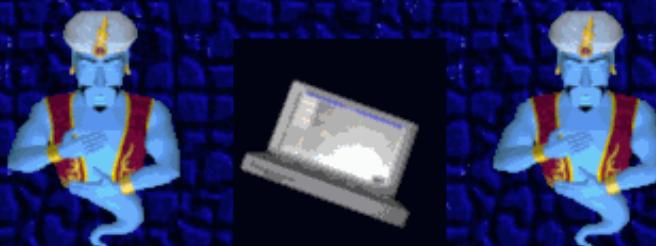
[BoingBoing](#)

<http://>

Some pages may work very slowly or not at all. Many webapps are just too advanced for Geocities.

Turn your sound up for the full effect.

Created by [Mike Lacher](#)



351

N NETSCAPE
Now! 3.0

FREE Microsoft
Internet
Explorer e

Campaign
Against
FRAMES!

SITE CREATED WITH
NOTEPAD
THE RIGHT WAY

The Geocities-izer

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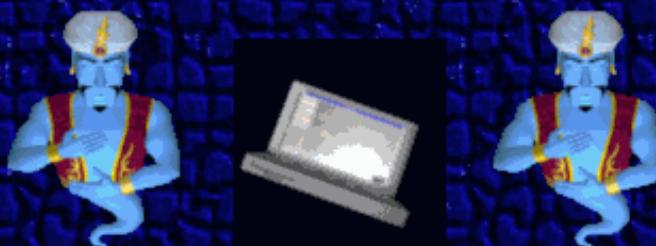
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351

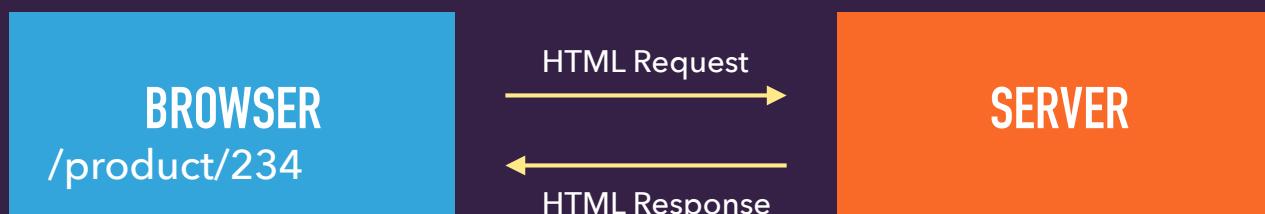
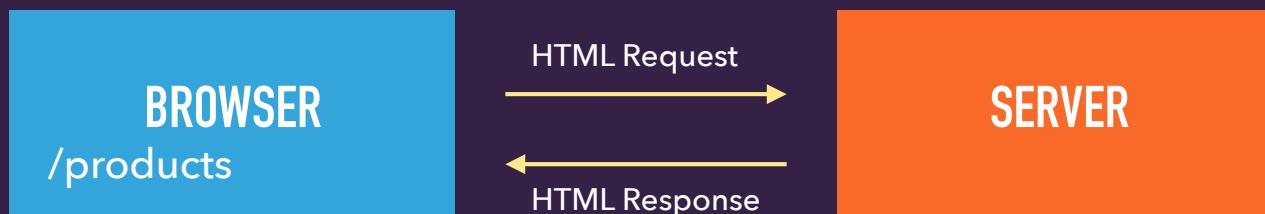
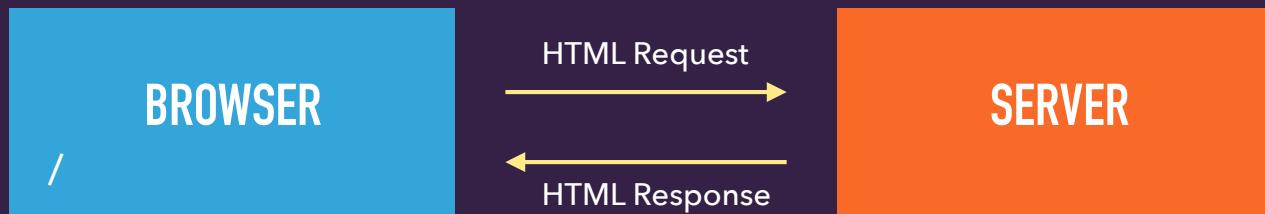
N NETSCAPE
Now! 3.0

FREE Microsoft
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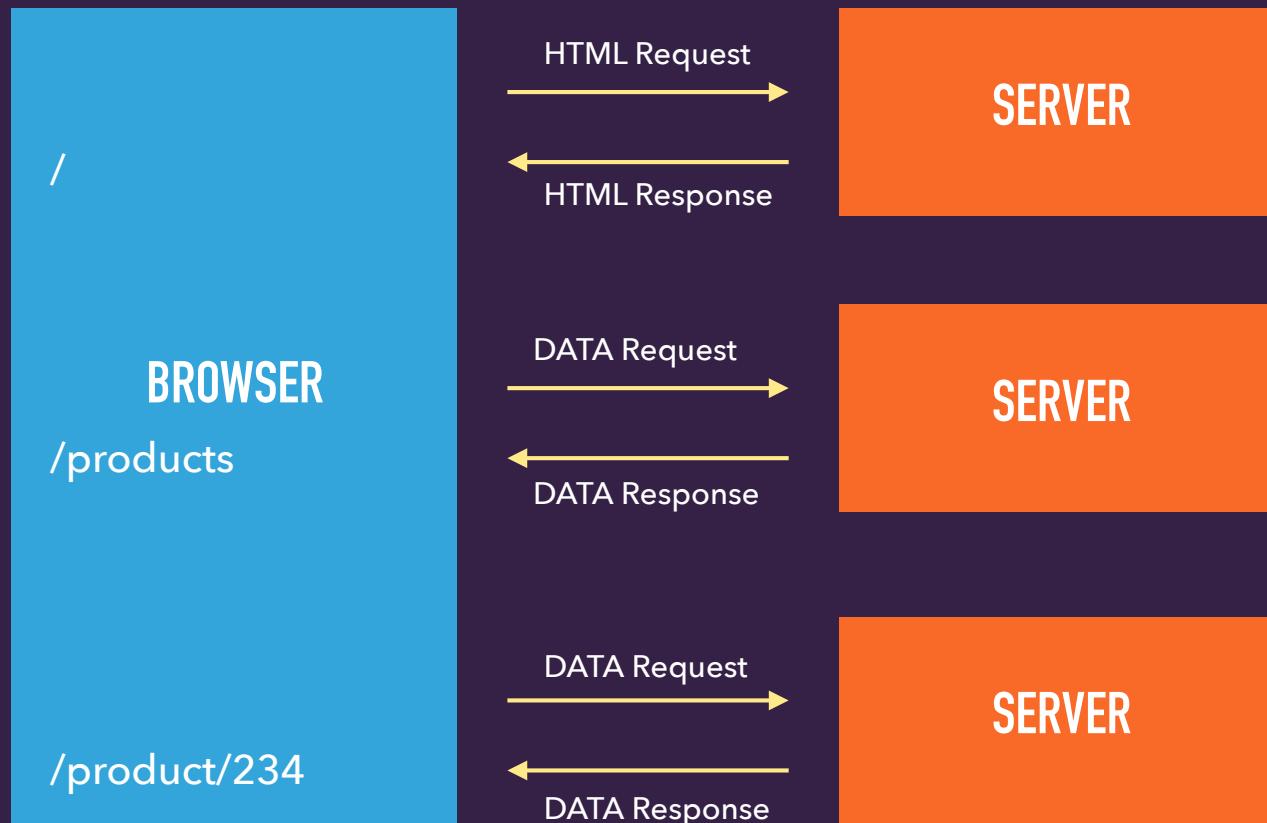
Campaign
Against
FRAMES!

SITE CREATED WITH
NOTEPAD
THE RIGHT WAY

TRADITIONAL WEBSITE



SINGLE PAGE APPLICATION





414 × 736



Elements

Console

Sources

Network

Performance

Memory

Application

Security

Audits

(index) :formatted

```
1 <!DOCTYPE html>
2 <html lang="en" prefix="og: http://ogp.me/ns#>
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width,initial-scale=1,shrink-to-fit=no">
6     <link rel="apple-touch-icon" sizes="180x180" href="/icons/apple-touch-icon.png?v=694AzX47gQ">
7     <link rel="icon" type="image/png" sizes="32x32" href="/icons/favicon-32x32.png?v=694AzX47gQ">
8     <link rel="icon" type="image/png" sizes="16x16" href="/icons/favicon-16x16.png?v=694AzX47gQ">
9     <link rel="mask-icon" href="/icons/safari-pinned-tab.svg?v=694AzX47gQ" color="#5bbad5">
10    <link rel="shortcut icon" href="/icons/favicon.ico?v=694AzX47gQ">
11    <meta name="msapplication-TextColor" content="#2d89ef">
12    <meta name="msapplication-config" content="/icons/browserconfig.xml?v=694AzX47gQ">
13    <meta name="theme-color" content="#ffffff">
14    <meta name="google-site-verification" content="NCJvpBpTbp9pUJdDk7t6dhIis0j4kZJEphgntRU-TbM"/>
15    <link rel="manifest" href="/manifest.json">
16    <title>TenderHut</title>
17    <link href="/static/css/main.5ca042e5.css" rel="stylesheet">
18  </head>
19  <body>
20    <noscript>You need to enable JavaScript to run this app.</noscript>
21    <div id="app-root"></div>
22    <div id="modal-root"></div>
23    <script type="text/javascript" src="/static/js/main.dc65024f.js"></script>
24  </body>
25</html>
```



414 × 736



Elements

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TenderHut

Technologiczna Grupa Kapitałowa

[Multimedialny raport 2017](#)

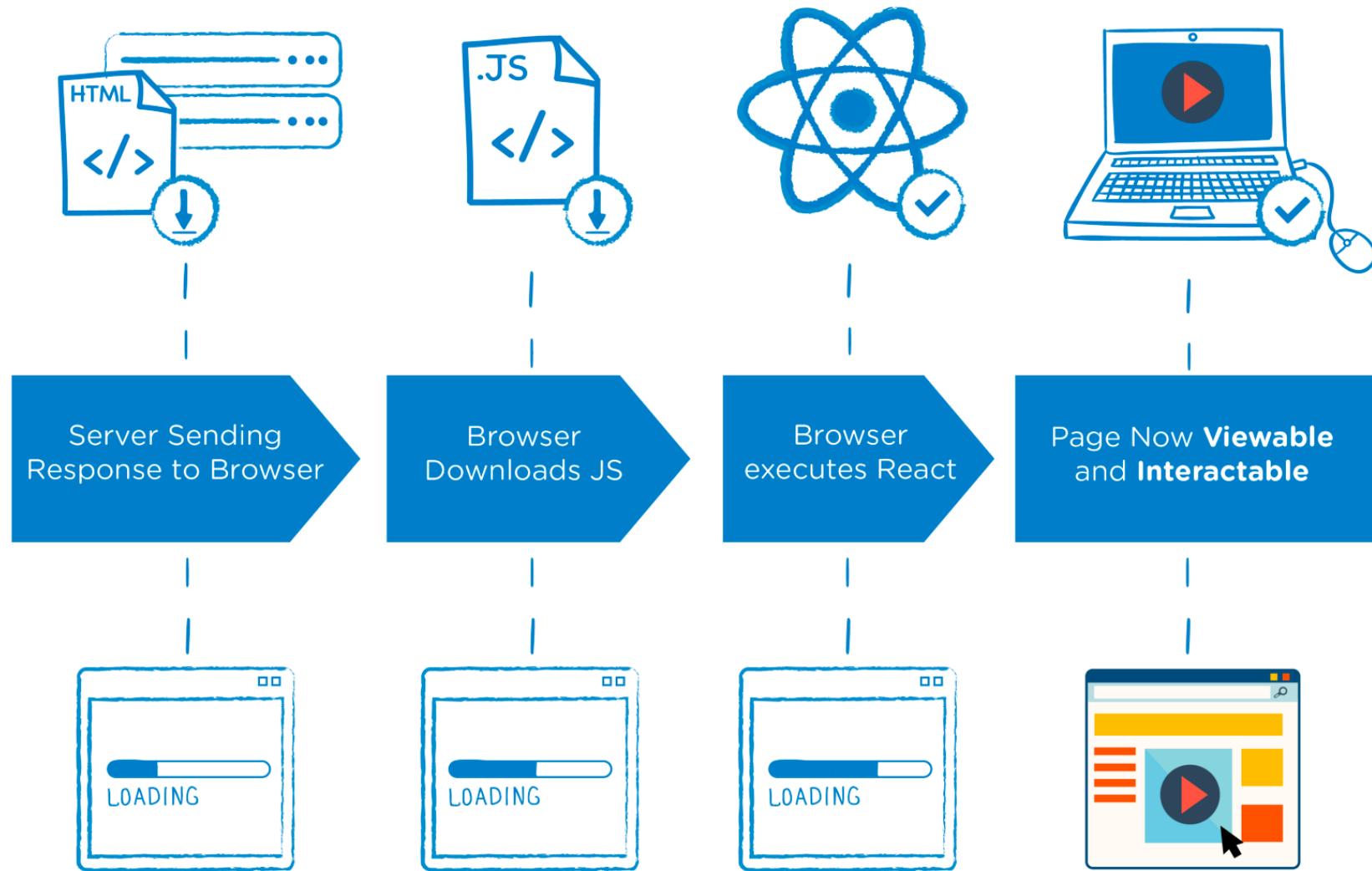
Poznaj najnowsze wyniki finansowe Grupy Kapitałowej TenderHut.

[Zobacz raport](#)

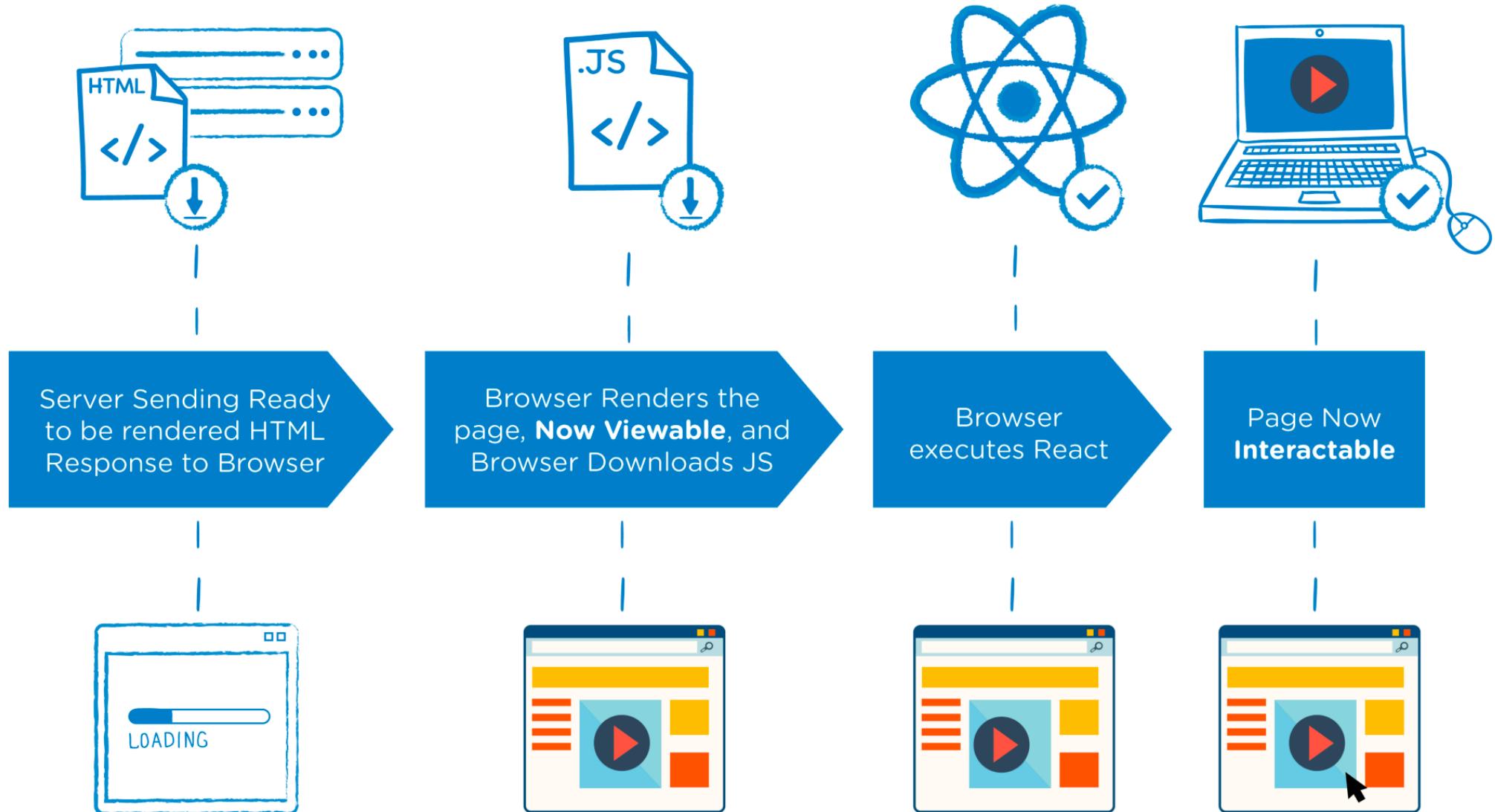
Nasze spółki:

TenderHut

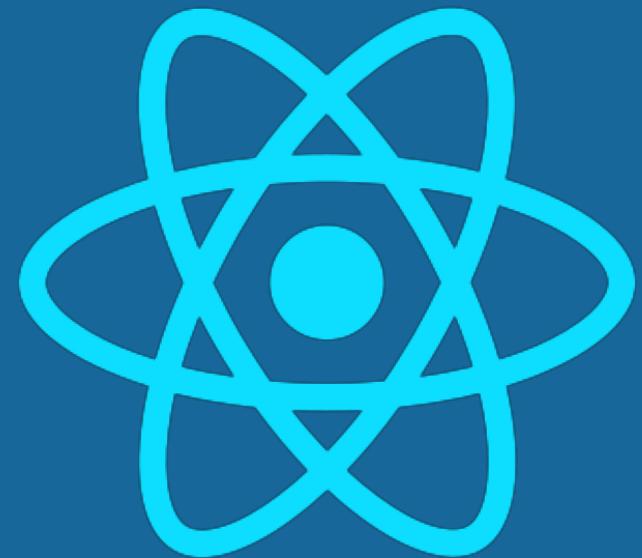
CSR



SSR



WHAT IS REACT?



**LIBRARY
NOT
FRAMEWORK**

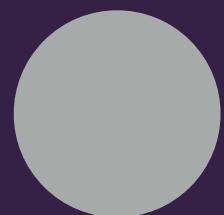
**LIBRARY
NOT
~~FRAMEWORK~~**

LOW LEARNING CURVE

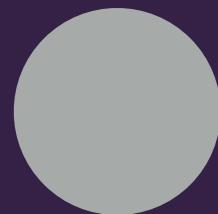
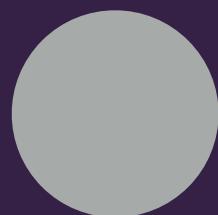
ONE WAY DATA FLOW

ONE WAY DATA FLOW

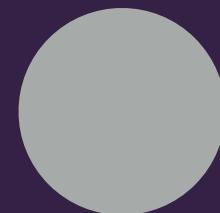
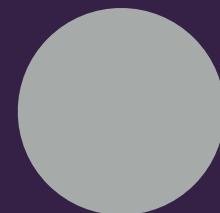
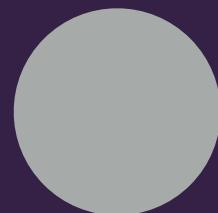
ONE WAY DATA FLOW



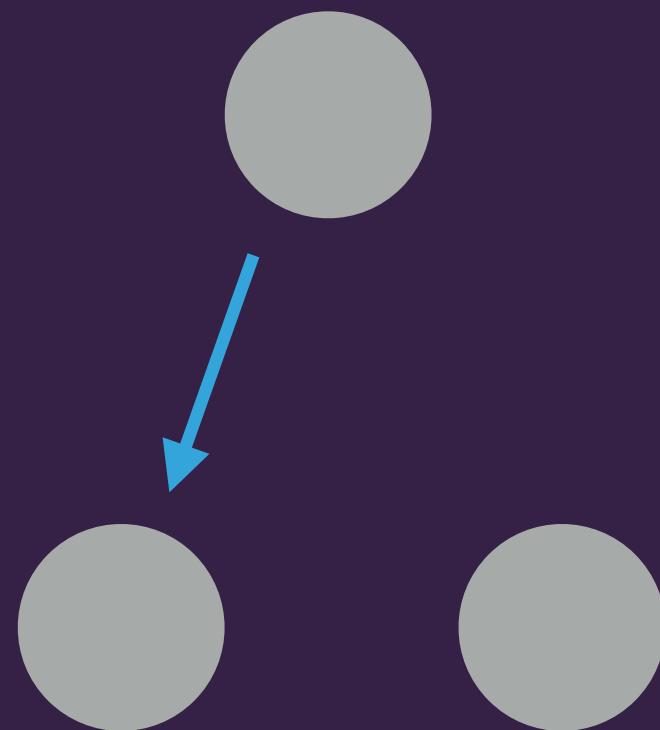
ONE WAY DATA FLOW



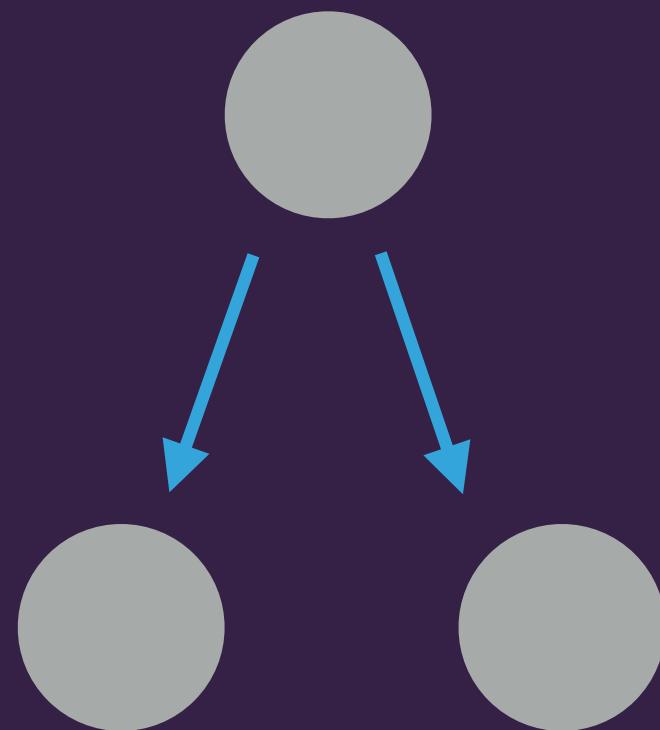
ONE WAY DATA FLOW



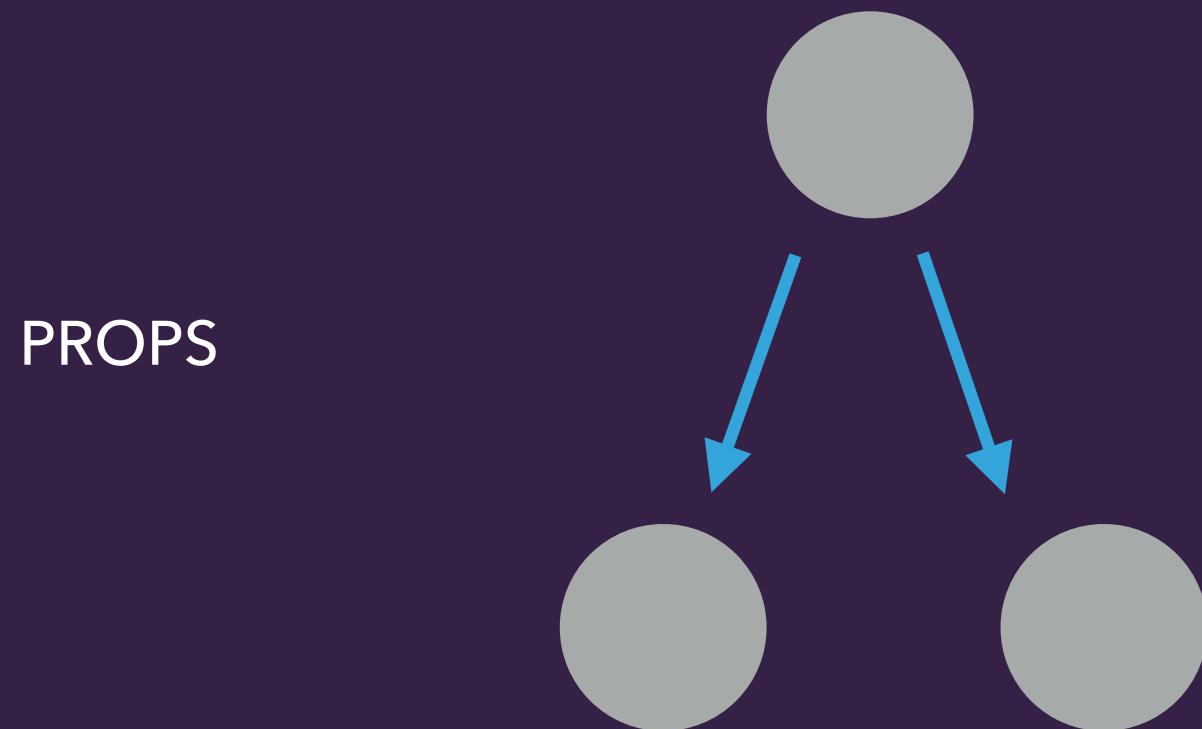
ONE WAY DATA FLOW



ONE WAY DATA FLOW

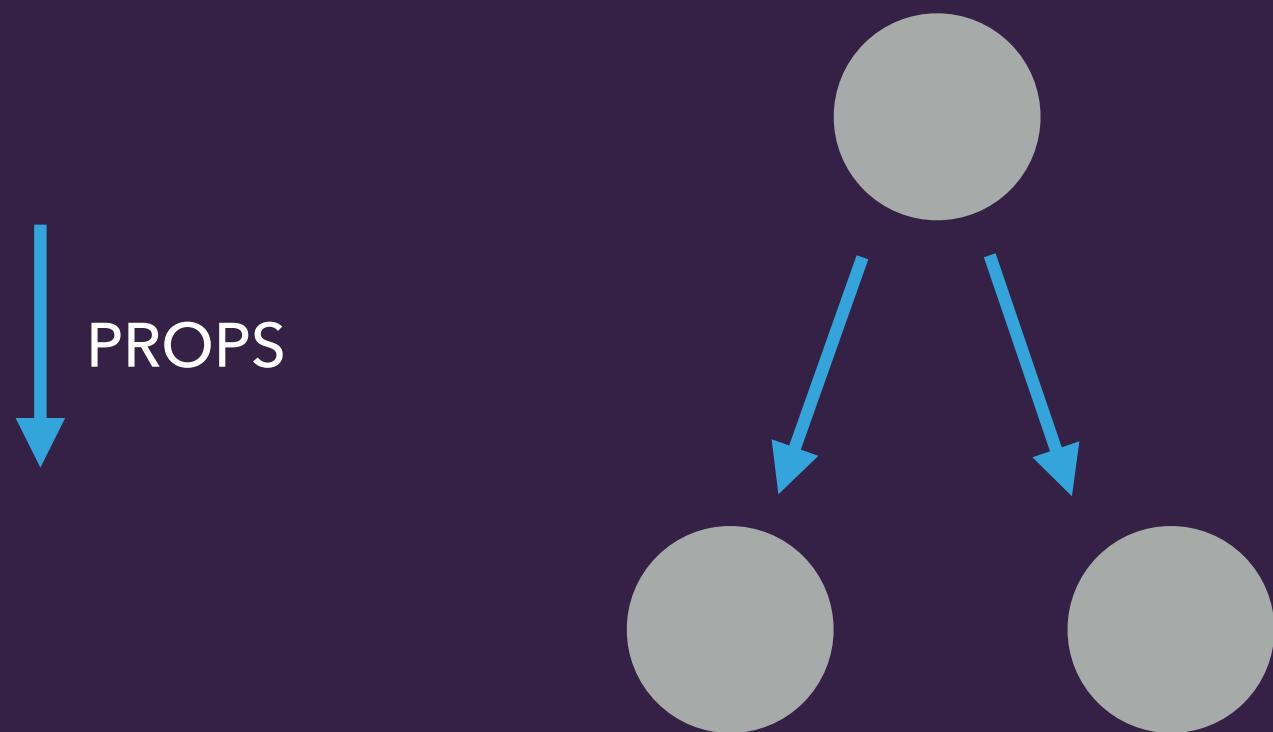


ONE WAY DATA FLOW

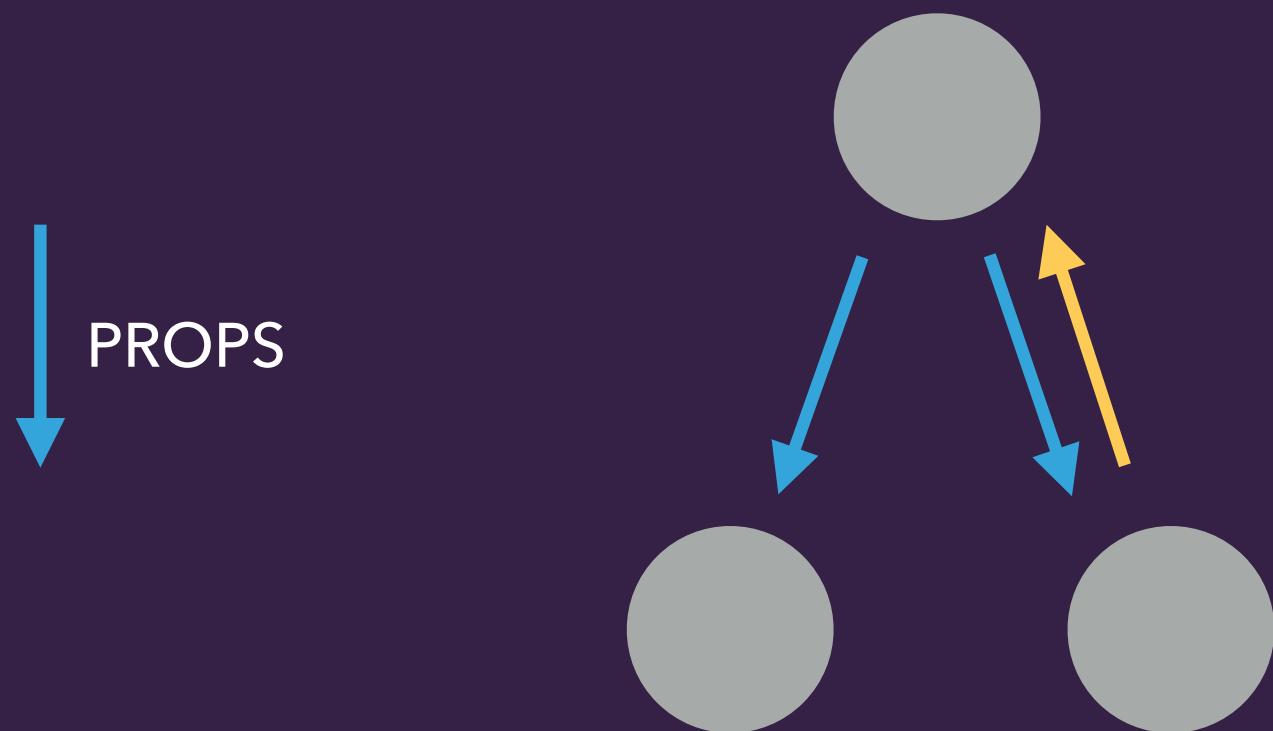


PROPS

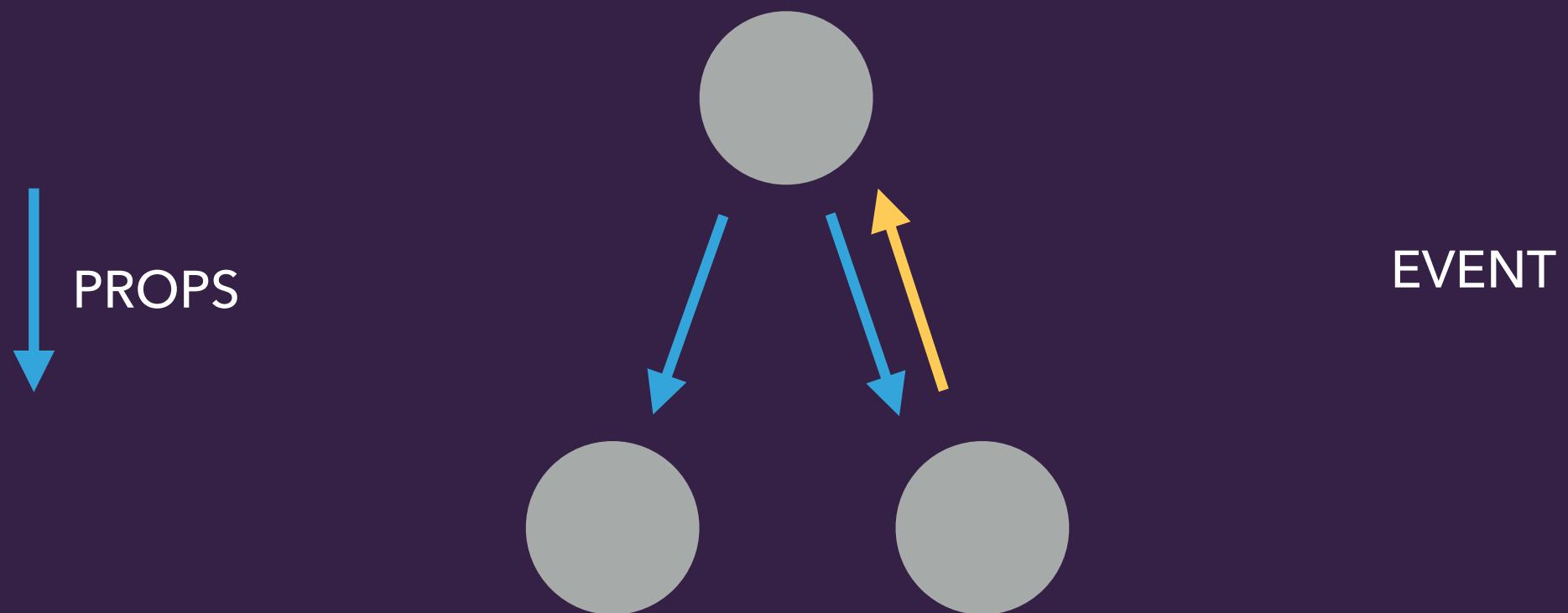
ONE WAY DATA FLOW



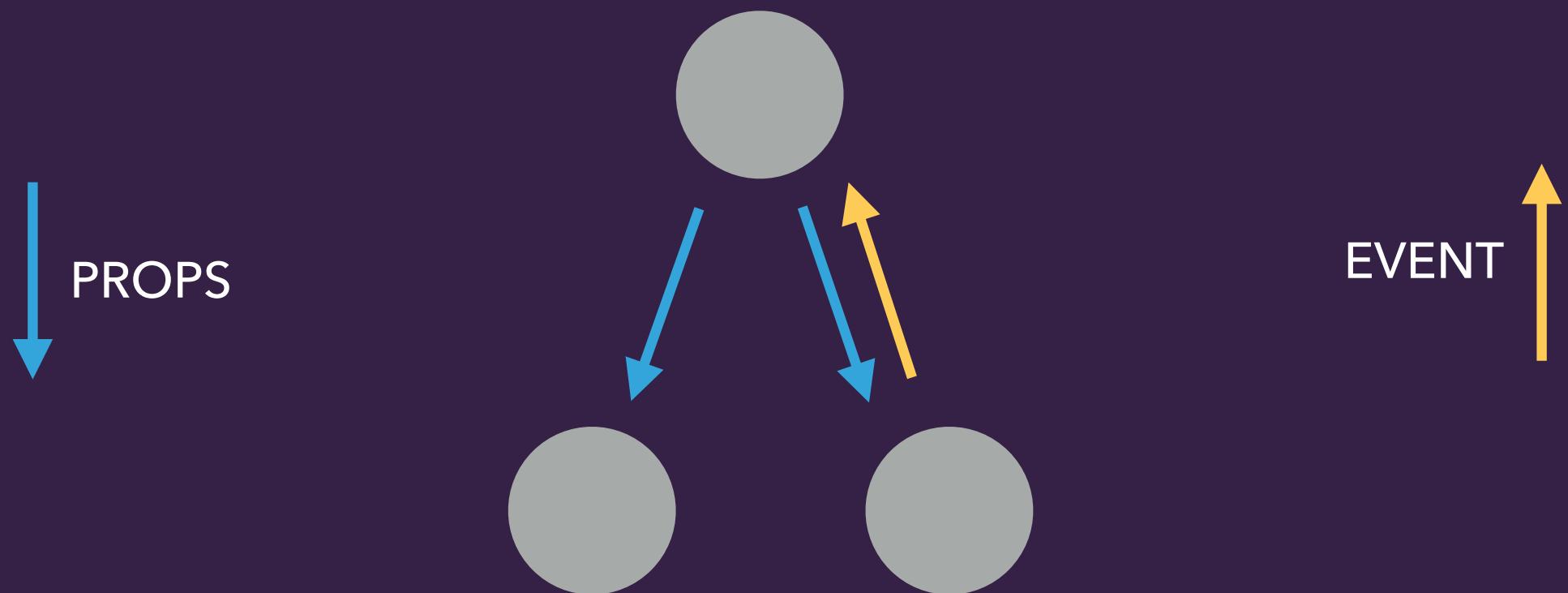
ONE WAY DATA FLOW



ONE WAY DATA FLOW



ONE WAY DATA FLOW



NO CONTROLLERS

NO CONTROLLERS
NO MODELS

NO CONTROLLERS
NO MODELS
NO DIRECTIVES

NO CONTROLLERS
NO MODELS
NO DIRECTIVES
NO GLOBAL EVENT LISTENER

**JUST
COMPONENT**

COMPONENT

COMPONENT

ISOLATED

COMPONENT

**ISOLATED
REUSABLE**

COMPONENT

**ISOLATED
REUSABLE
TESTABLE**

COMPONENT TYPES

FUNCTIONAL

```
function Welcome(props) {  
  return <h1>Hello, {props.name}</h1>;  
}
```

FUNCTIONAL

```
const Welcome = props => {
  return <h1>Hello, {props.name}</h1>;
};
```

FUNCTIONAL

```
const Welcome = ({name}) => {
  return <h1>Hello, {name}</h1>;
};
```

CLASS

```
class Welcome extends React.Component {  
  render() {  
    const {name} = this.props;  
    return (  
      <h1>Hello, {name}</h1>  
    )  
  }  
}
```

**EVERYTHING
IS A COMPONENT**

 [Utwórz post](#) |  [Album ze zdjęciami/filmami](#)
 [Transmisja wideo na żywo](#)



Co słychać, Przemysław?



[Wspólne oglądani](#)



[Zdjęcie/film](#)



[Oznacz znaj...](#)

...



Utwórz post



Album ze zdjęciami/filmami



Transmisja wideo na żywo



Co słychać, Przemysław?



Wspólne oglądani



Zdjęcie/film



Oznacz znaj...

...

CardComponent

 [Utwórz post](#) |  [Album ze zdjęciami/filmami](#)
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Co słychać, Przemysław?

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CardComponent

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Co słychać, Przemysław?

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CardComponent

CardHeaderComponent

 Utwórz post |  Album ze zdjęciami/filmami
 Transmisja wideo na żywo

 Co słychać, Przemysław?

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CardComponent

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Co słychać, Przemysław?

 Wspólne oglądani  Zdjęcie/film  Oznacz znaj... ...

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 Utwórz post  Album ze zdjęciami/filmami
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Co słychać, Przemysław?

 [Wspólne oglądani](#)  [Zdjęcie/film](#)  [Oznacz znaj...](#) 

CardComponent

CardHeaderComponent

SelectorComponent

 Utwórz post  Album ze zdjęciami/filmami
 Transmisja wideo na żywo

 Co słychać, Przemysław?

 Wspólne oglądani  Zdjęcie/film  Oznacz znaj... 

CardComponent

CardHeaderComponent

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 Utwórz post  Album ze zdjęciami/filmami
 Transmisja wideo na żywo

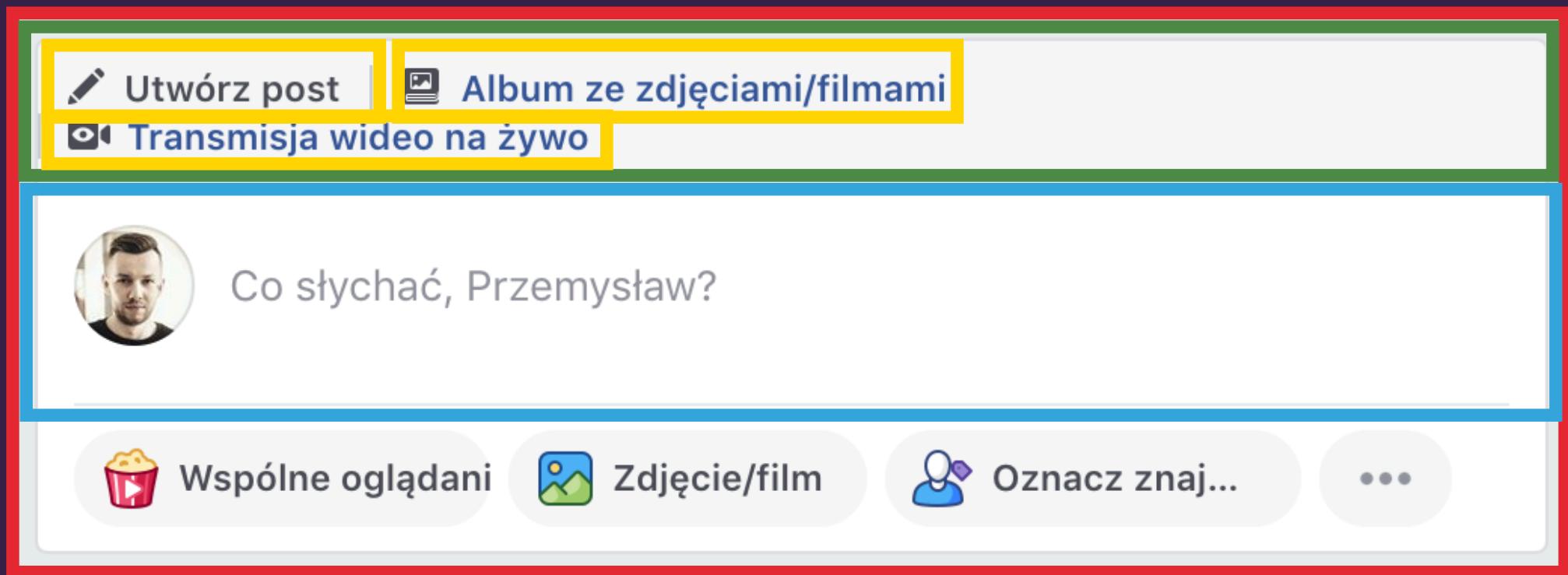
 Co słychać, Przemysław?

 Wspólne oglądani  Zdjęcie/film  Oznacz znaj... 

CardComponent

CardHeaderComponent

SelectorComponent

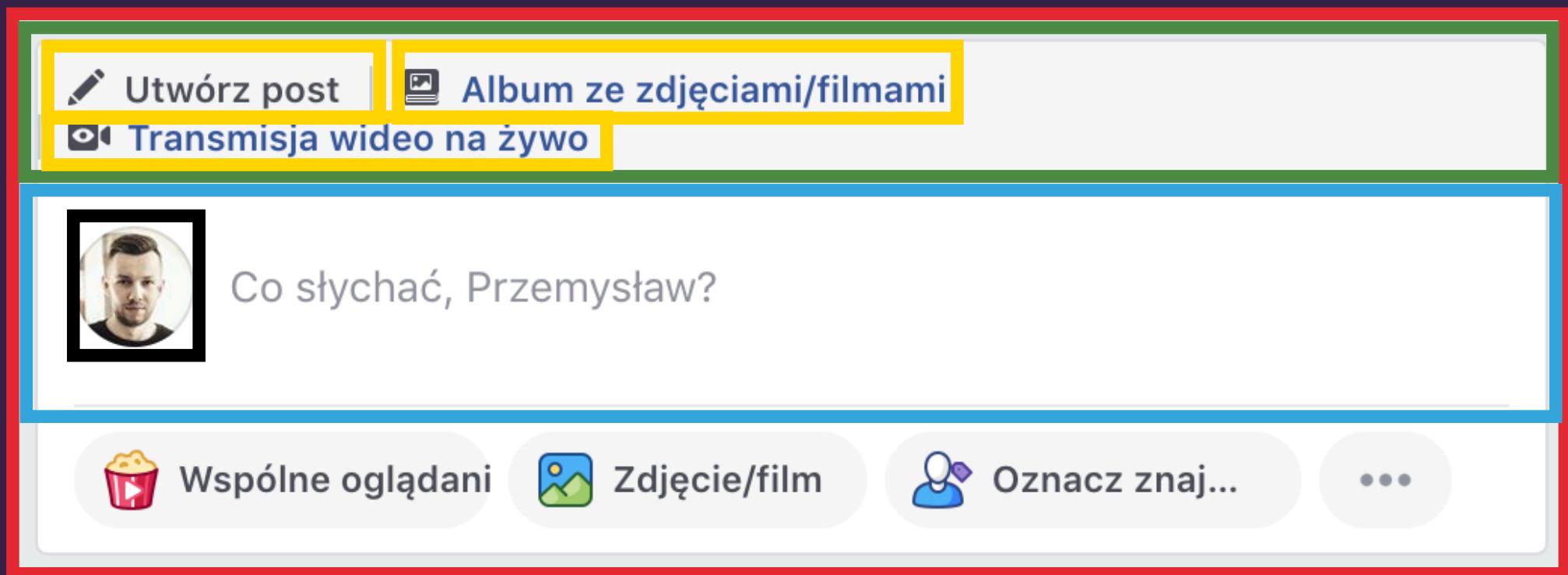


CardBodyComponent

CardComponent

CardHeaderComponent

SelectorComponent

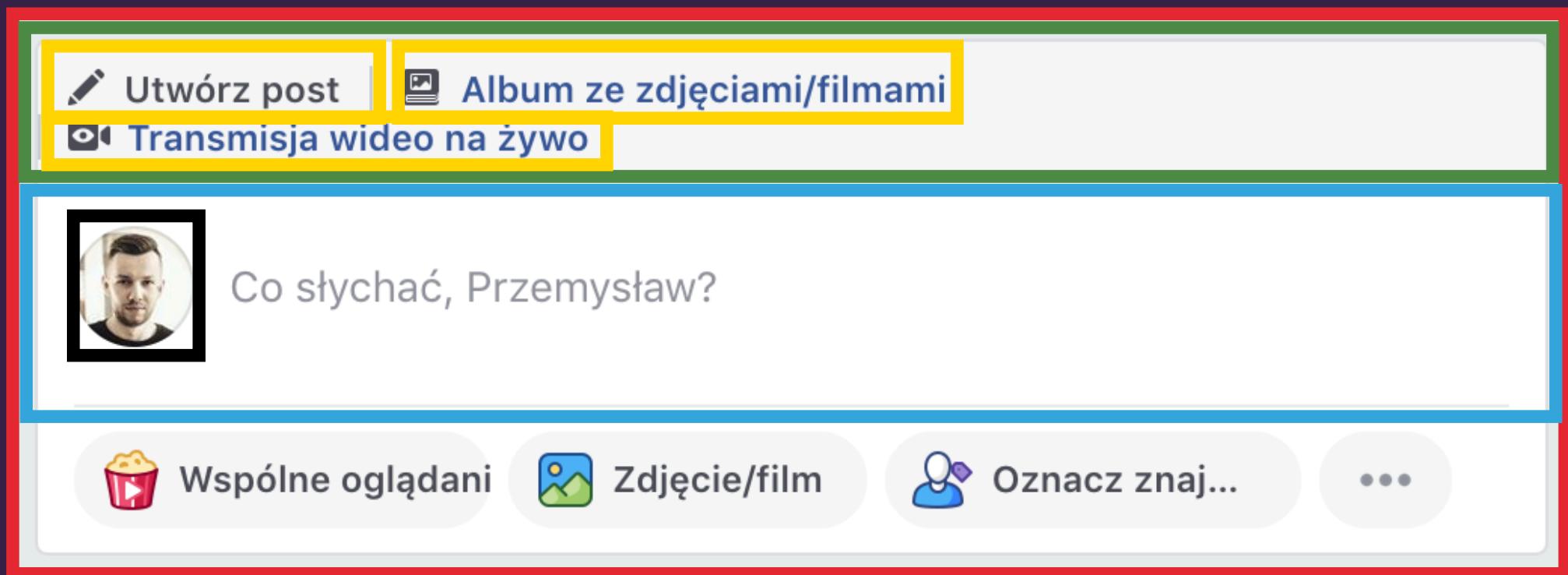


CardBodyComponent

CardComponent

CardHeaderComponent

SelectorComponent



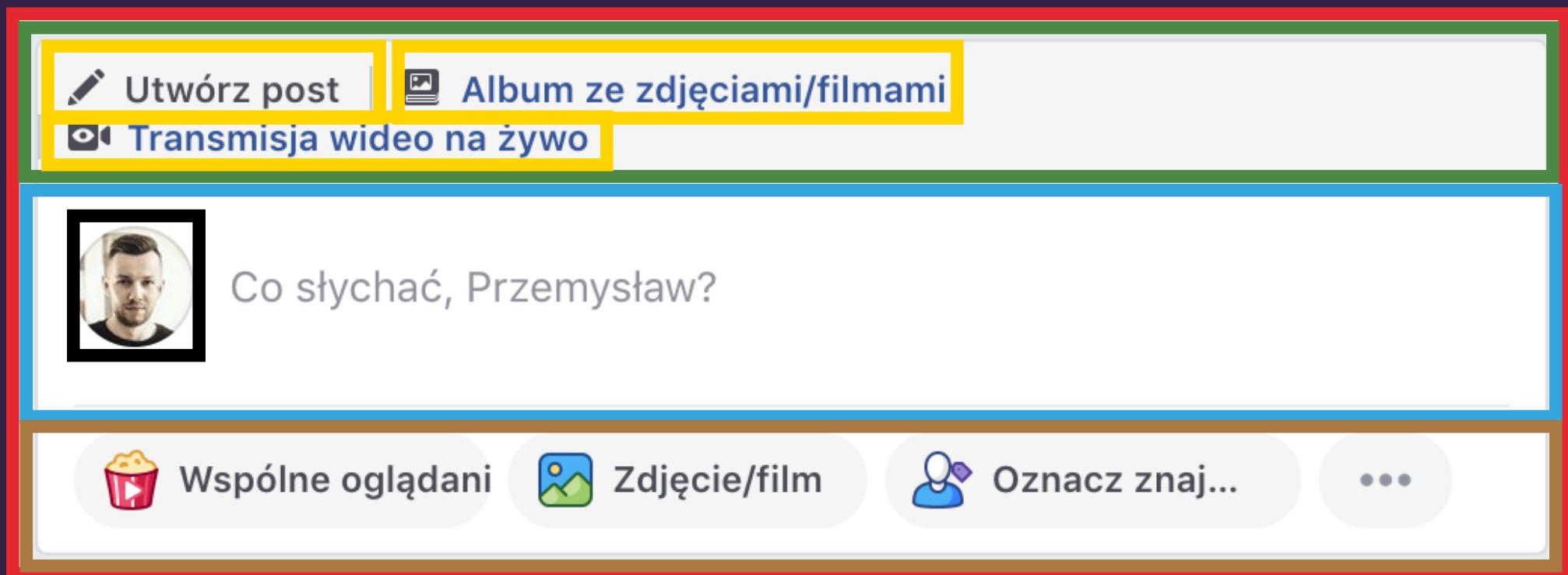
CardBodyComponent

UserPhotoComponent

CardComponent

CardHeaderComponent

SelectorComponent



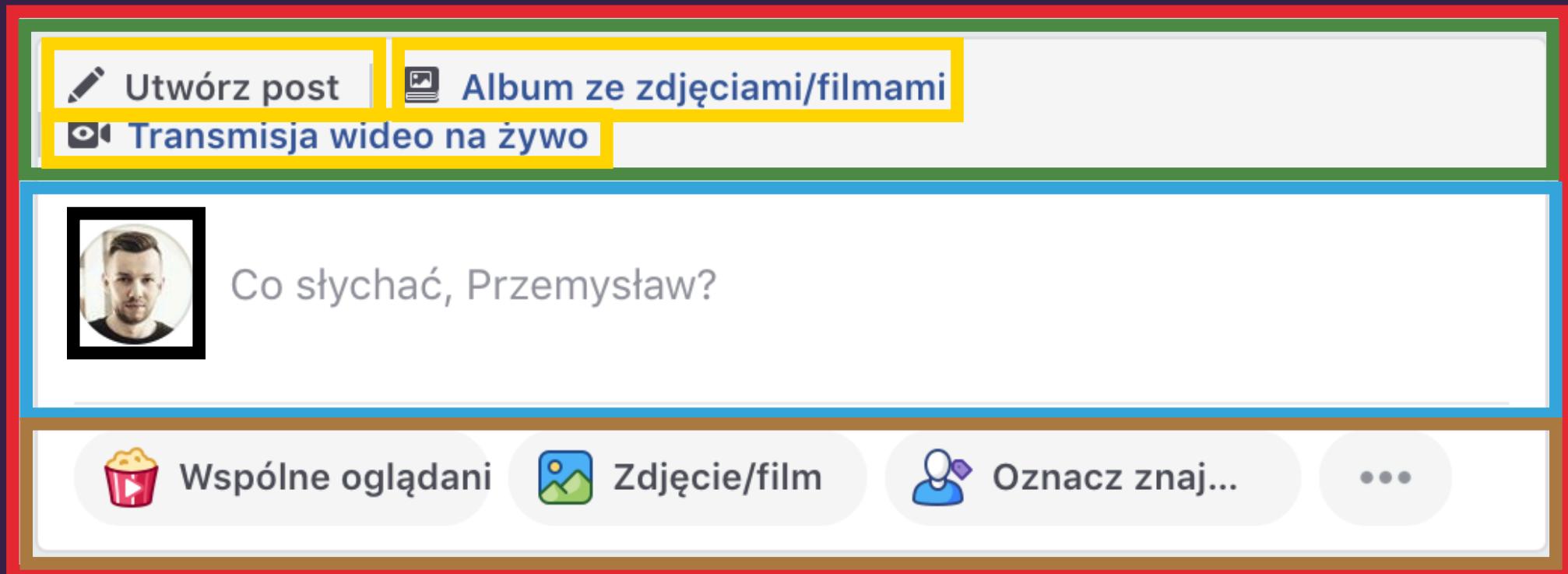
CardBodyComponent

UserPhotoComponent

CardComponent

CardHeaderComponent

SelectorComponent



CardBodyComponent

CardFooterComponent

UserPhotoComponent

CardComponent

CardHeaderComponent

COMPONENT...

COMPONENT EVERYWHERE

makeameme.org

CardBodyComponent

UserPhotoComponent

```
1 import React from 'react';
2
3 const FacebookComponent = () => (
4   <CardComponent>
5     <CardHeaderComponent>
6       <SelectorComponent />
7       <SelectorComponent />
8       <SelectorComponent />
9     </CardHeaderComponent>
10
11    <CardBodyComponent>
12      <UserPhotoComponent />
13    </CardBodyComponent>
14
15    <CardFooterComponent />
16  </CardComponent>
17);
18
19 export default FacebookComponent;
20
```

JSX

```
const Welcome = () => {  
  return <h1>Hello, World</h1>;  
};
```

JSX

```
const Welcome = function Welcome() {  
  return React.createElement(  
    |   type: "h1",  
    |   props: null,  
    |   children: "Hello, World"  
  );  
};
```

JS

**REACT DOESN'T
REQUIRE USING JSX**

VIRTUAL DOM



IT'S FAST

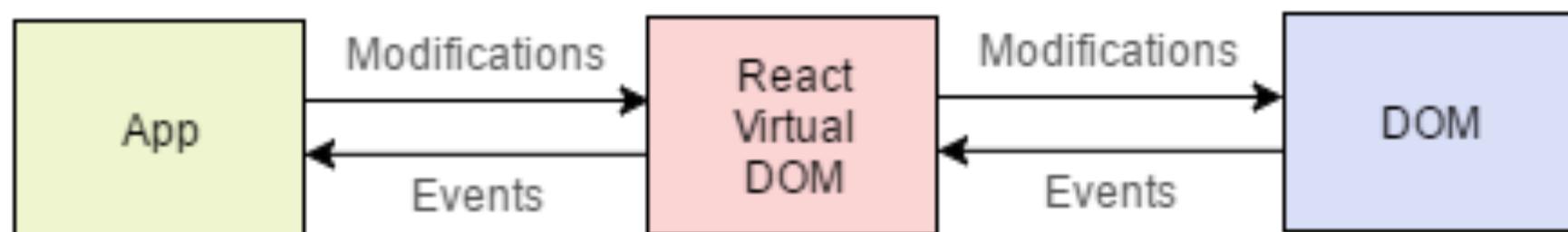
IT'S FAST
IT'S PURE

IT'S FAST
IT'S PURE
IT WORKS

Traditional Web Application



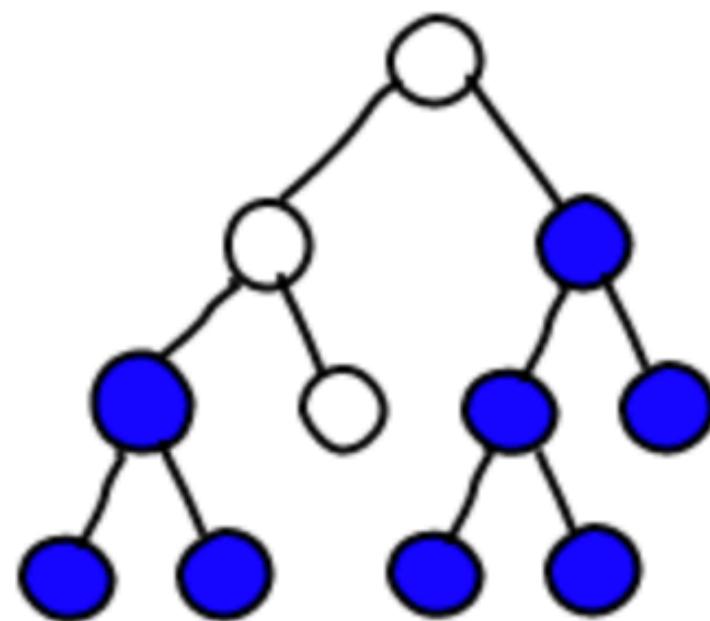
React.js



Dirty



Re-rendered



Hello, world!

It is 12:26:46 PM.

```
Console  Sources  Network  Timeline
▼<div id="root">
  ▼<div data-reactroot>
    <h1>Hello, world!</h1>
    ▼<h2>
      <!-- react-text: 4 -->
      "It is "
      <!-- /react-text -->
      <!-- react-text: 5 -->
      "12:26:46 PM"
      <!-- /react-text -->
      <!-- react-text: 6 -->
      "."
      <!-- /react-text -->
    </h2>
  </div>
</div>
```

Hello, world!

It is 12:26:46 PM.

```
Console  Sources  Network  Timeline
▼<div id="root">
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      "It is "
      <!-- /react-text -->
      <!-- react-text: 5 -->
      "12:26:46 PM"
      <!-- /react-text -->
      <!-- react-text: 6 -->
      "."
      <!-- /react-text -->
    </h2>
  </div>
</div>
```

A black and white close-up photograph of a young woman's face. She has short, light-colored hair and a small hoop earring in her left ear. Her gaze is directed towards the camera with a neutral expression.

I WANT YOU TO

START CODING RIGHT NOW

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>React App</title>
    <script src="https://unpkg.com/react@16/umd/react.production.min.js" crossorigin></script>
    <script src="https://unpkg.com/react-dom@16/umd/react-dom.production.min.js" crossorigin></script>
  </head>
  <body>
    <div id="root"></div>

    <script type="text/javascript">
      var Welcome = function Welcome() {
        return React.createElement("h1", null, "Hello, World");
      };

      ReactDOM.render(Welcome, document.getElementById("root"));
    </script>
  </body>
</html>
```

**CREATE
REACT APP**

npx create-react-app myapp

npx create-react-app myapp



DEMO

REACT DEV TOOLS

DEMO

THANKS