Introducción a la librería React

Universidad Internacional de Valencia

MasterClass
06/02/2024

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Máster Univ. en Desarrollo de Aplicaciones y Servicios Web

De:
Planeta Formación y Universidades

Índice

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Consultoría ERP y BI
Consultoría Salud

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Educación
Creación de contenidos

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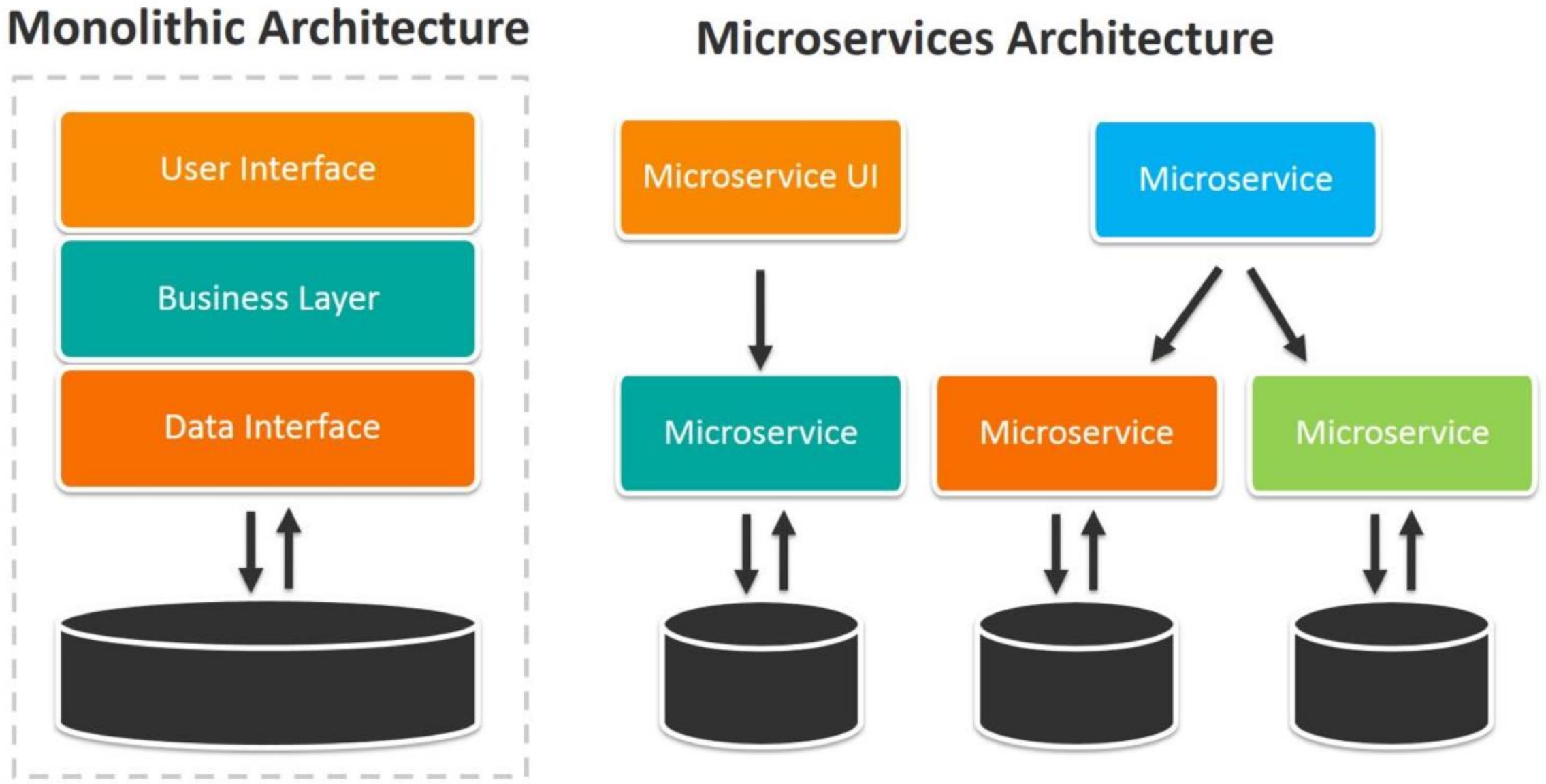
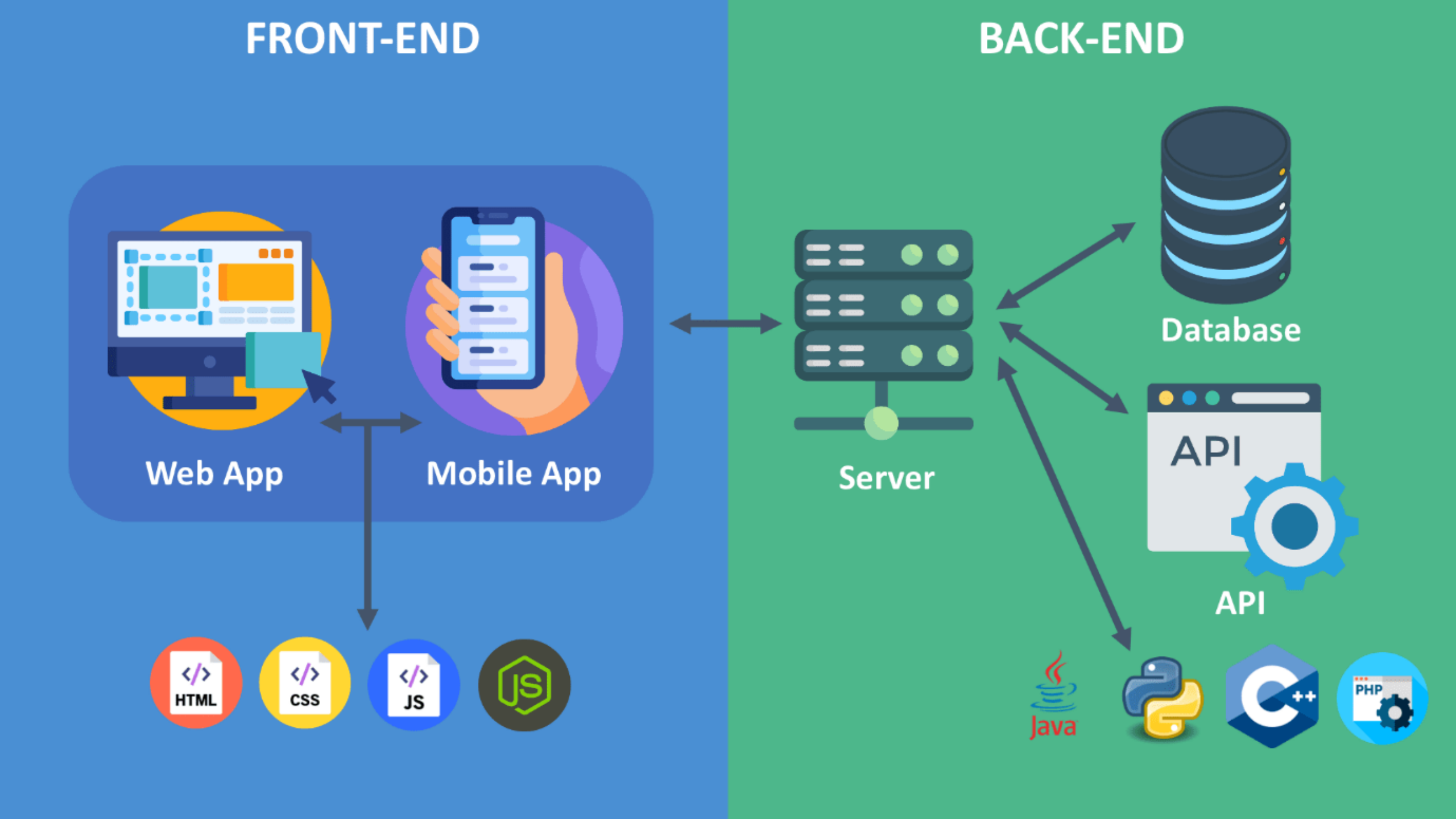
Historia de un proyecto




FRONT-END
BACK-END
Web App
Mobile App
Server
Database
API
API
HTML
CSS
JS
Java
PHP

Preparando el entorno

Visual Studio Code

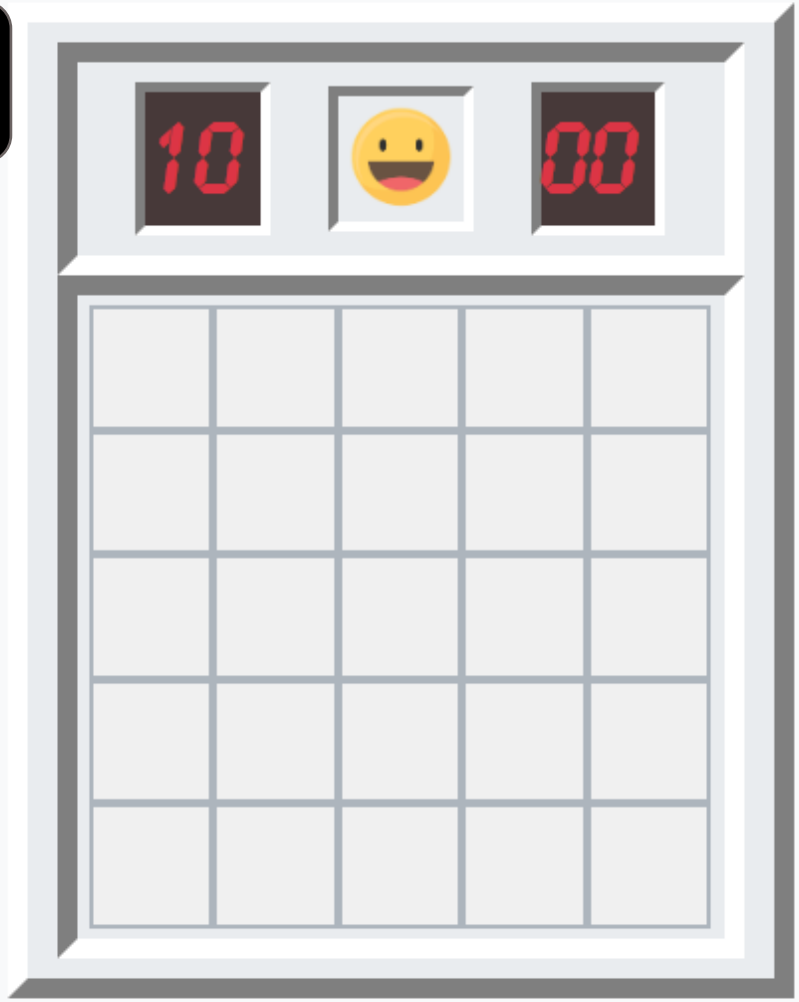
https://code.visualstudio.com/

https://nodejs.org/en

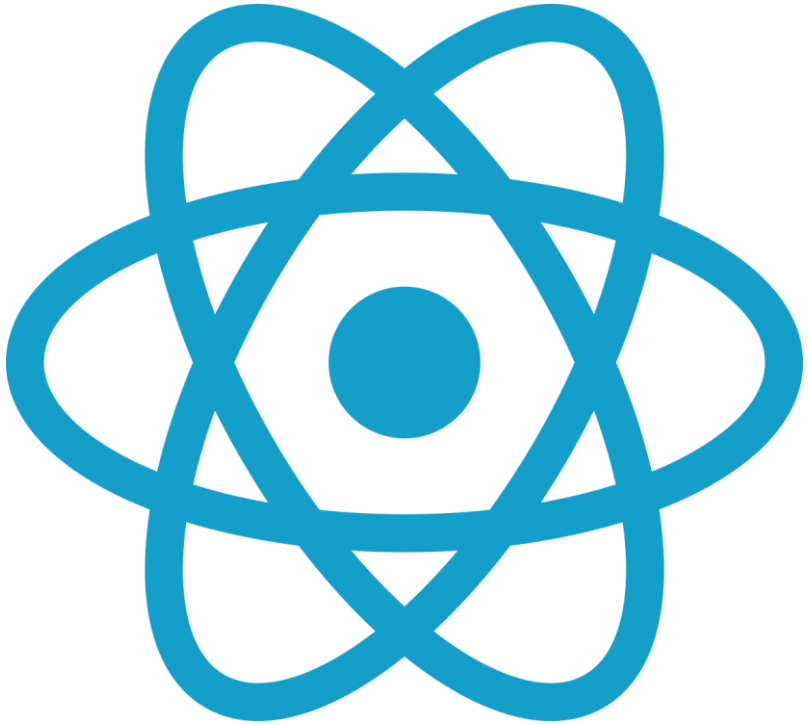
¿Qué vamos a hacer?

https://getbootstrap.com/

https://github.com/pgomezarnalVIU/masterclassReact/tree/01-Mockup-BootStrap



Comenzamos con React



https://react.dev/

https://react.dev/learn

https://react.dev/learn/tutorial-tic-tac-toe

https://react.dev/learn/installation

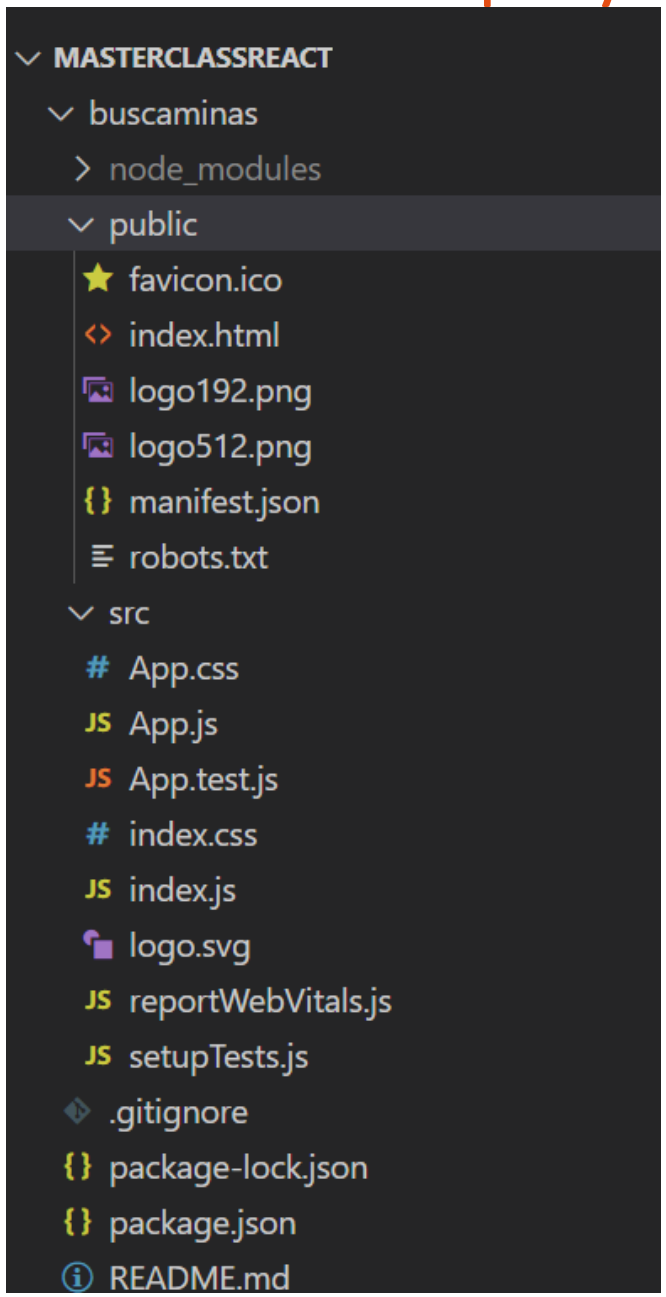
https://create-react-app.dev/

https://create-react-app.dev/docs/getting-started

```
>>> npm install -g npx

>>> npx create-react-app my-app
```

Estructura de proyecto



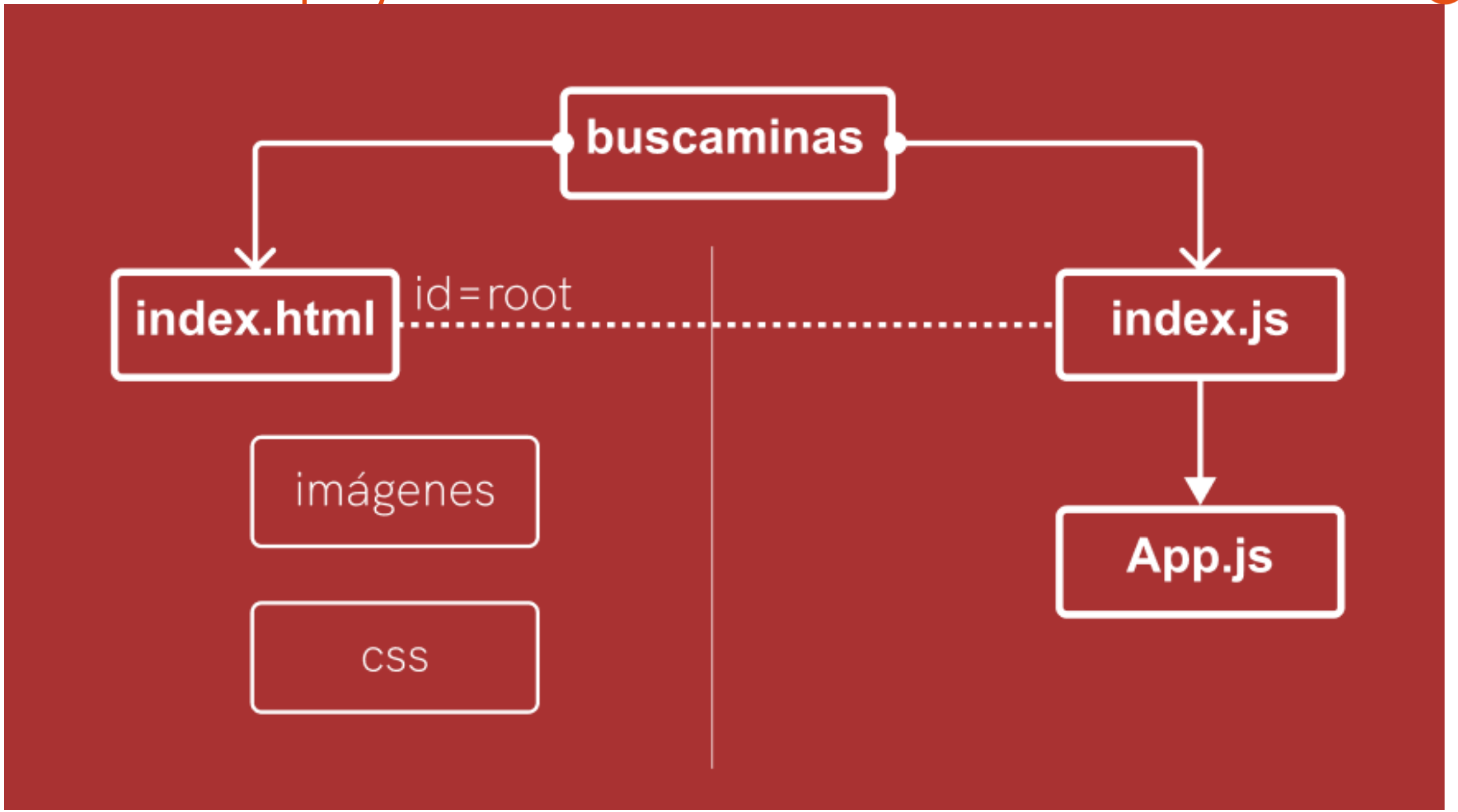
https://create-react-app.dev/docs/folder-structure

https://create-react-app.dev/docs/available-scripts

```
"scripts": {
  "start": "react-scripts start",
  "build": "react-scripts build",
  "test": "react-scripts test",
  "eject": "react-scripts eject"
```

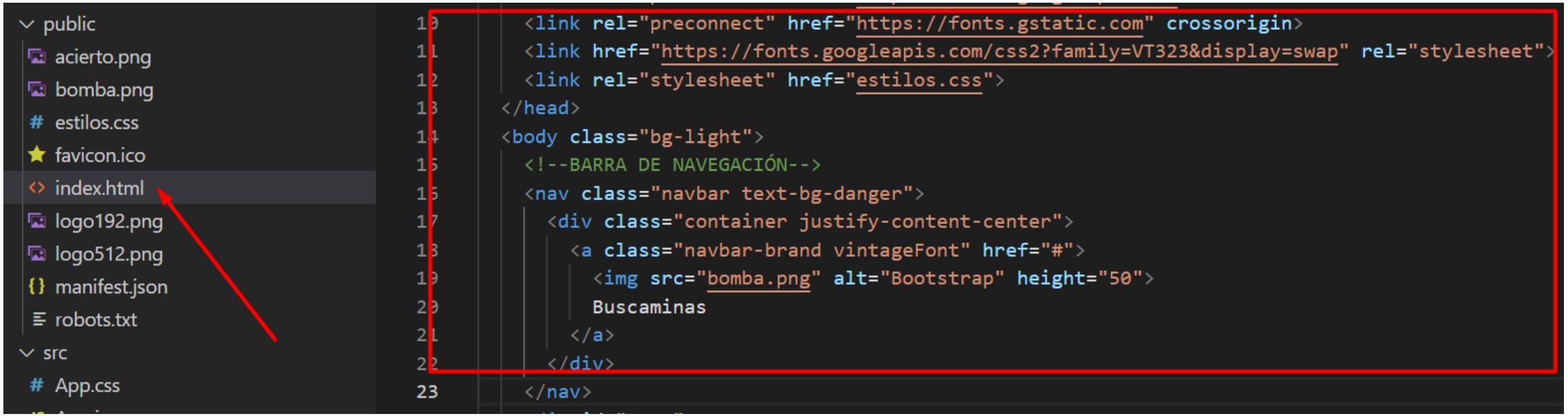
https://github.com/pgomezarnalVIU/masterclassReact/releases/tag/02-Inicio-Proyecto

Estructura de proyecto

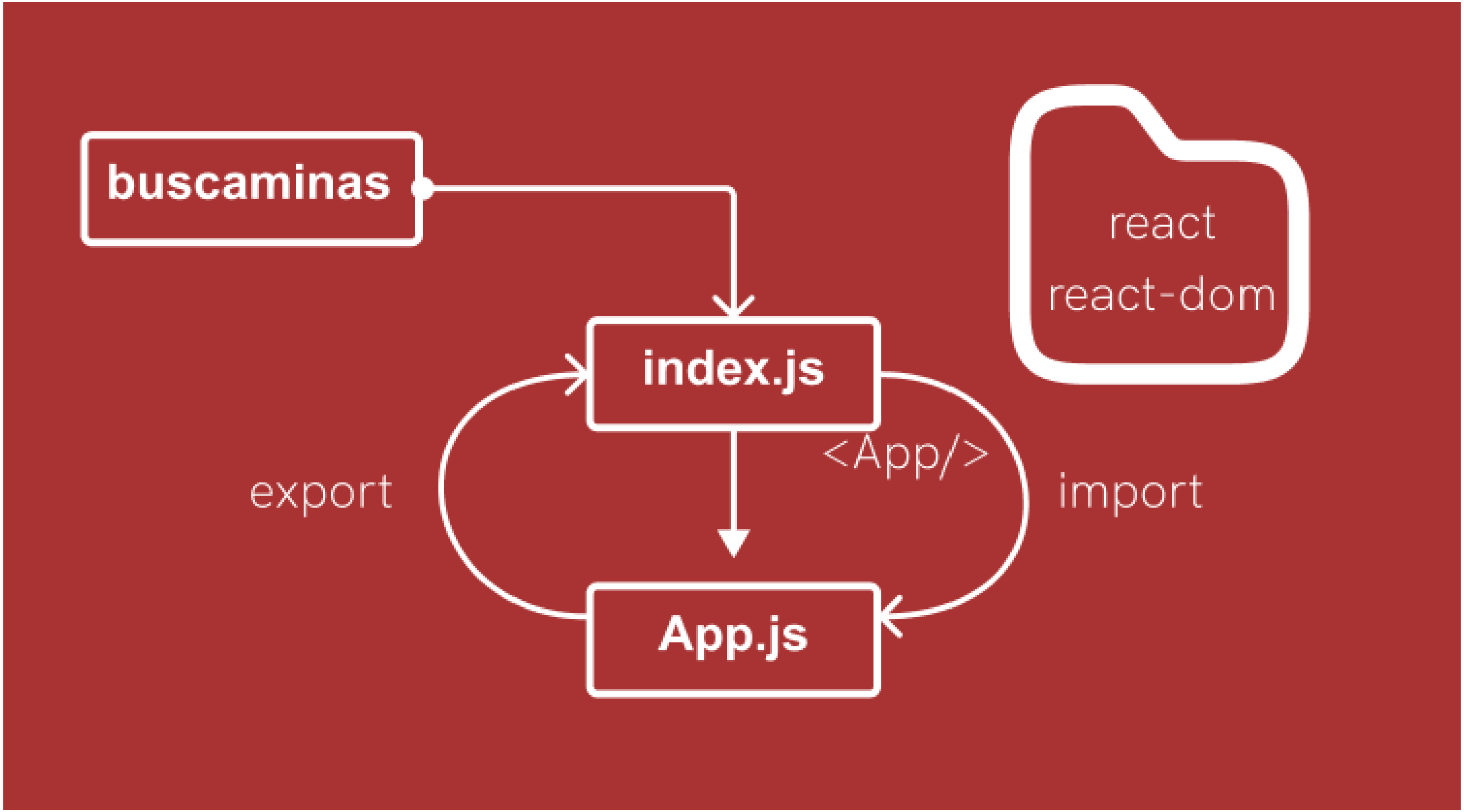


Nav en proyecto

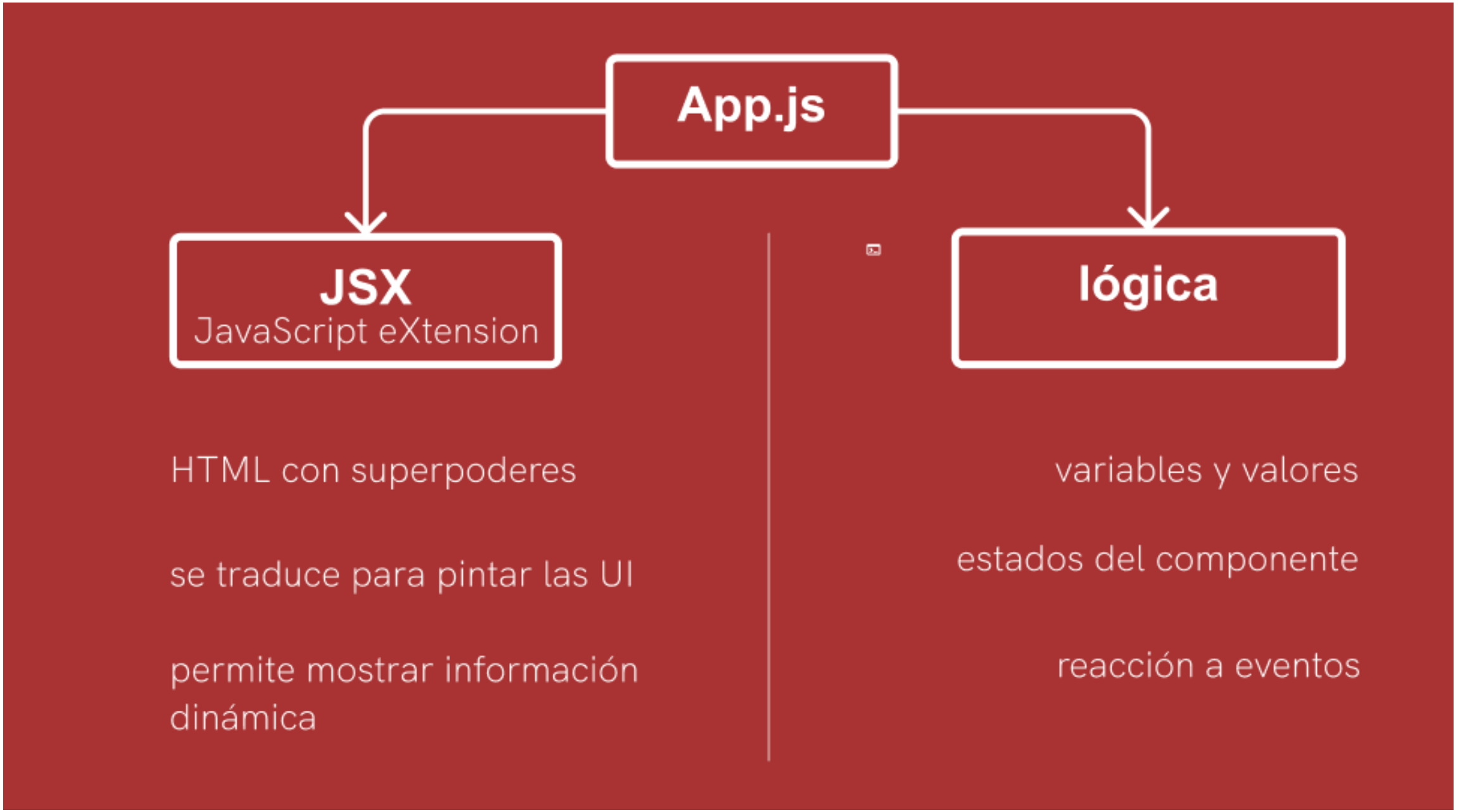
https://github.com/pgomezarnalVIU/masterclassReact/tree/03-Nav



Importancia de módulos y componentes



Anatomía de un componente



Las 3 reglas del JSX

https://react.dev/learn/writing-markup-with-jsx#the-rules-of-jsx

1. Return a single root element

2. Close all the tags

3. camelCase ~~all~~ most of the things!

index.html

```
<main class="mt-5">
  <div id="root">    </div>
</main>
```

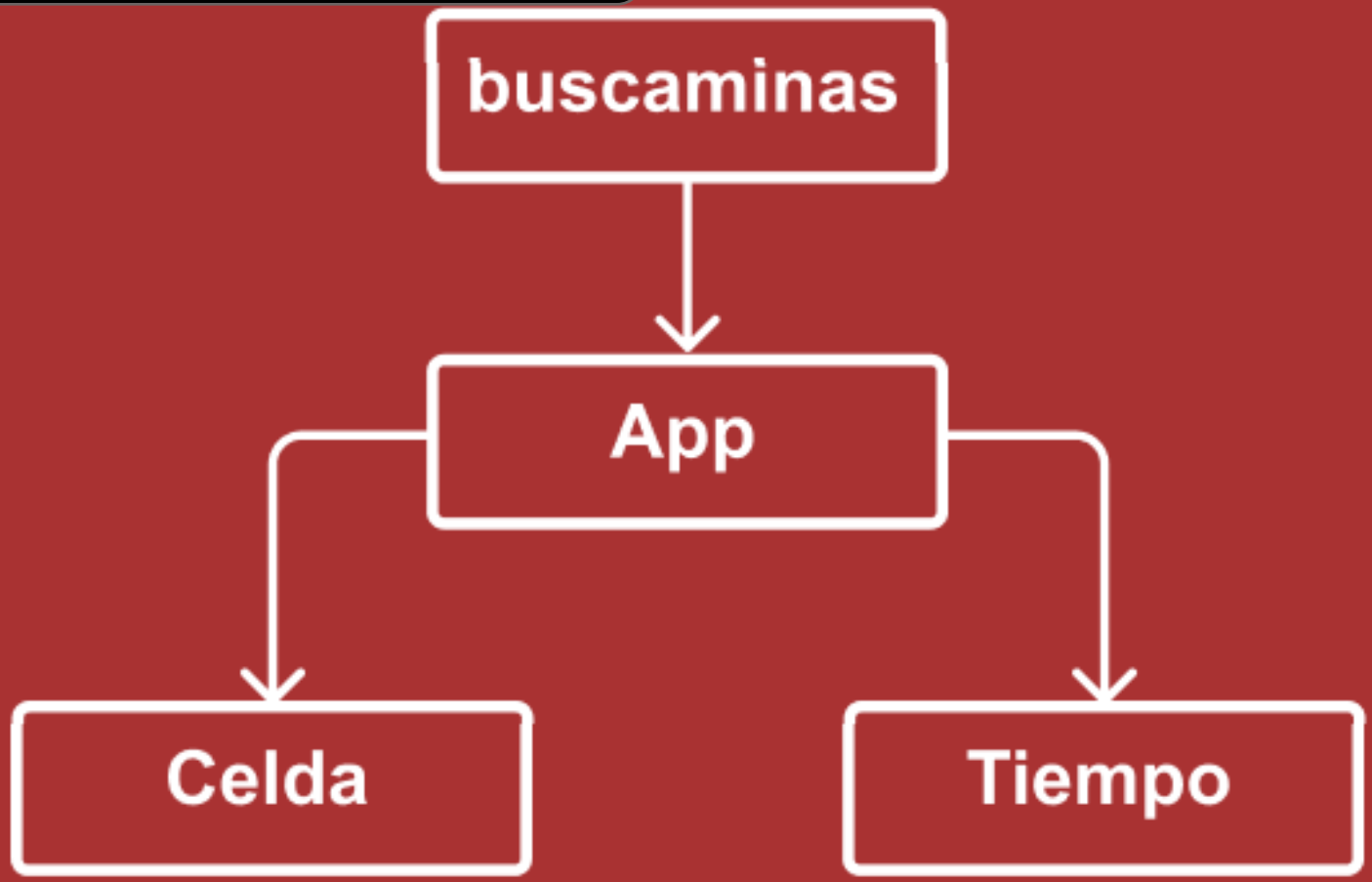
App.js

https://transform.tools/html-to-jsx

https://github.com/pgomezarnalVIU/masterclassReact/tree/04-JSX

Nuestro primer componente

https://github.com/pgomezarnalVIU/masterclassReact/tree/05-Celda-component



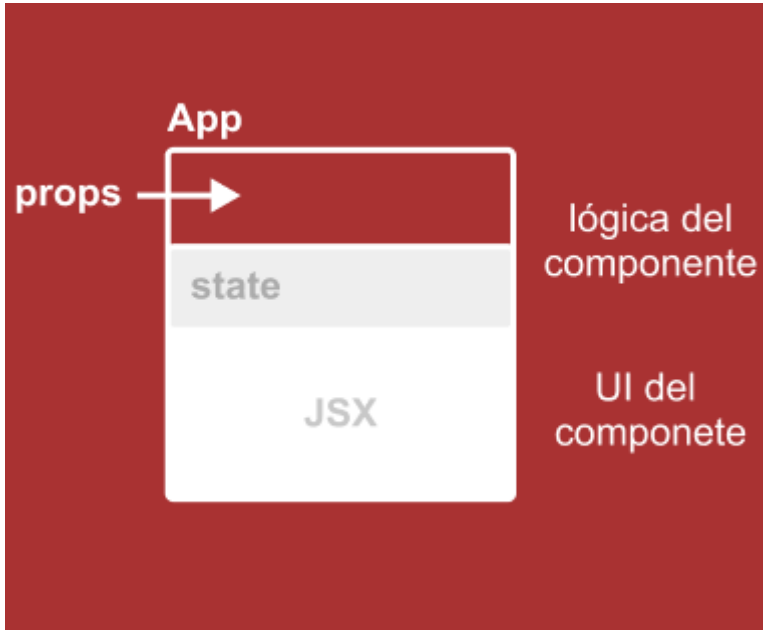
Props de un componente

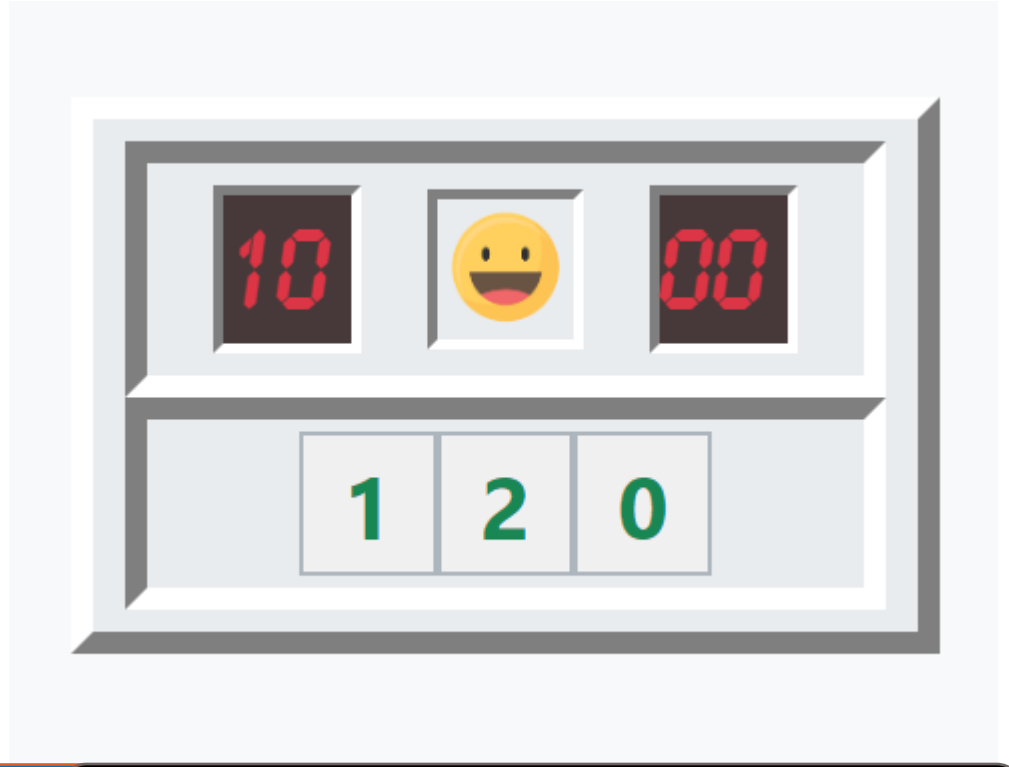
https://react.dev/learn/passing-props-to-a-component

Step 1: Pass props to the child component

Step 2: Read props inside the child component

Specifying a default value for a prop





https://github.com/pgomezarnalVIU/masterclassReact/tree/06-Props-celda

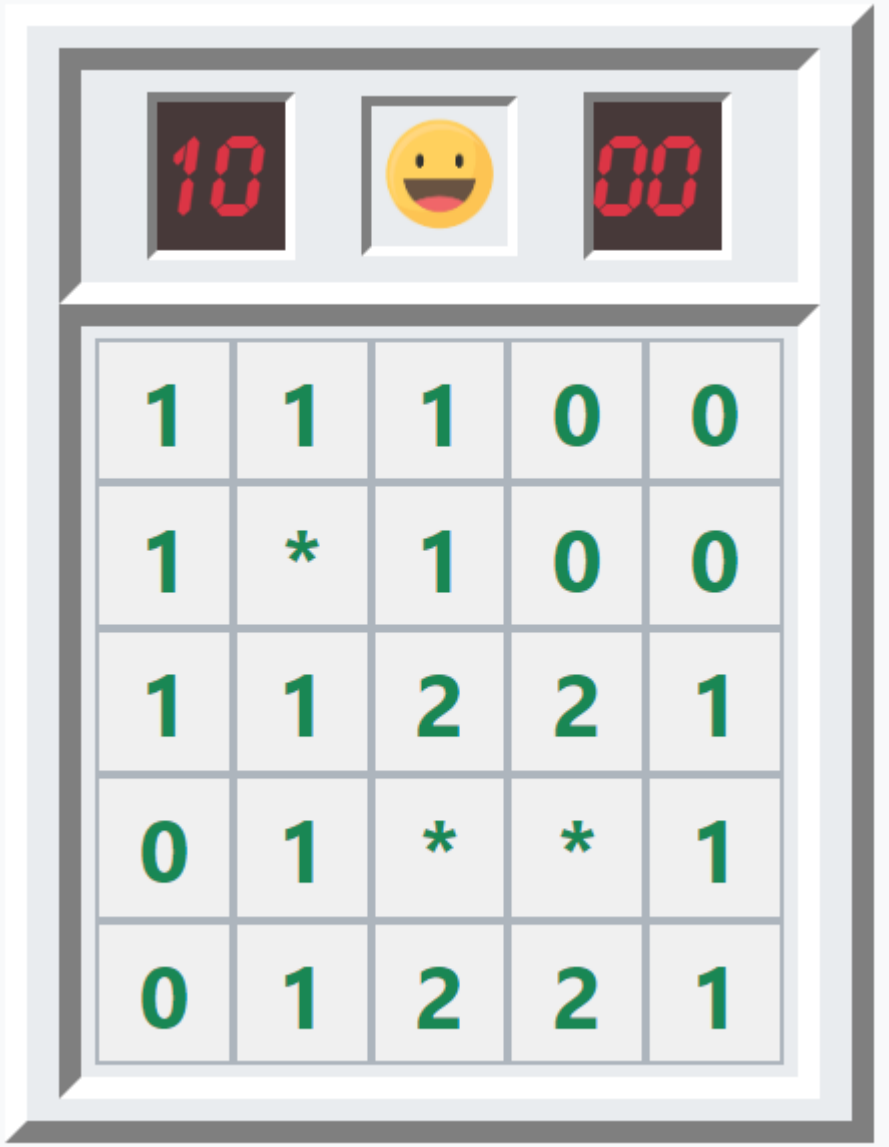
Renderizando listas

https://react.dev/learn/rendering-lists

Step 1: Move the data into an array

Step 2: Map the data members into a new array of JSX nodes

Step 3: Return listItems from your component wrapped in a <ul> for example



https://github.com/pgomezarnalVIU/masterclassReact/tree/07-List-Celdas

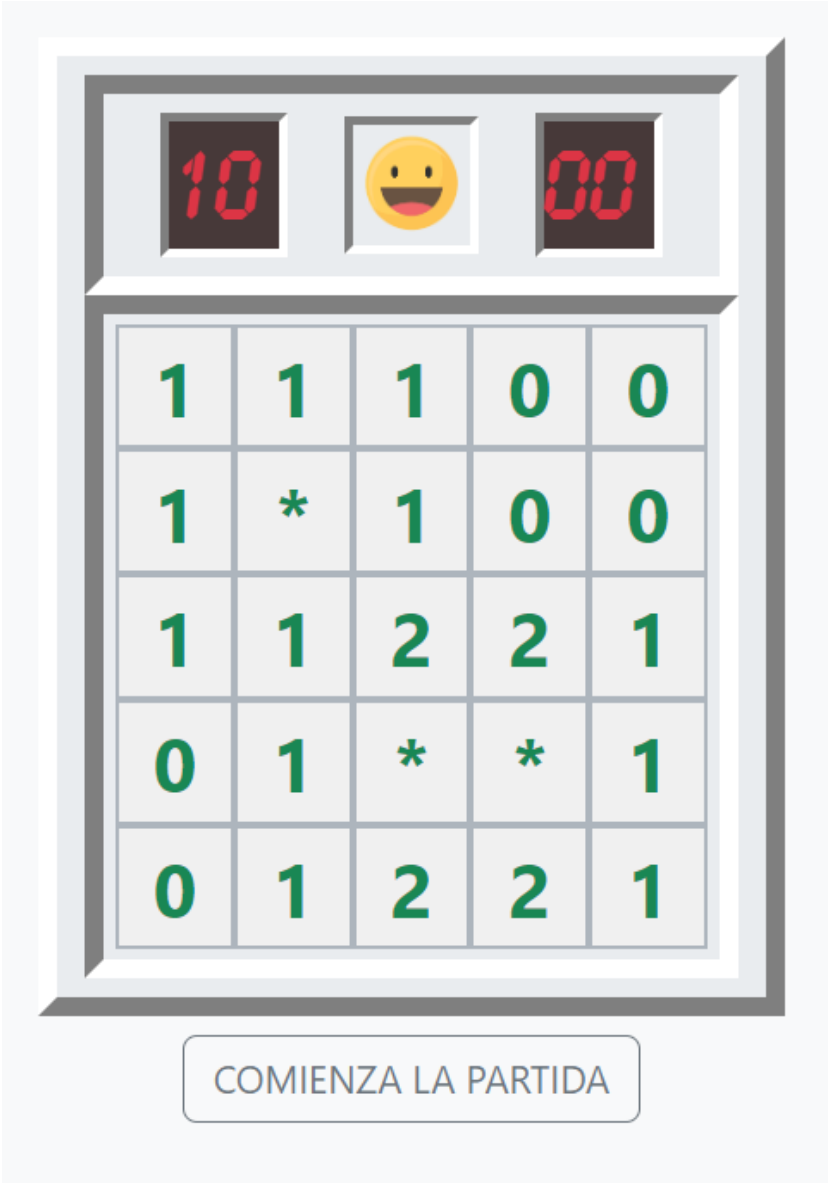
Respondiendo a eventos

https://react.dev/learn/responding-to-events

Step 1: Declare a function called for event

Step 2: Implement the logic inside that function

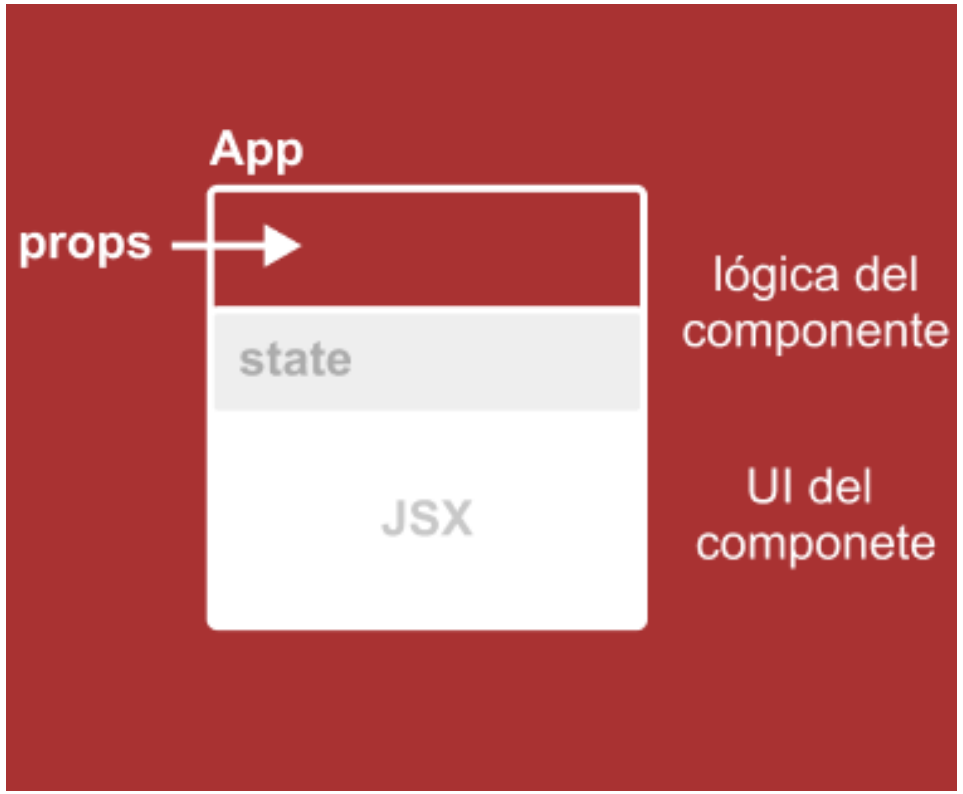
Step 3: Add onClick={function} to the <button>

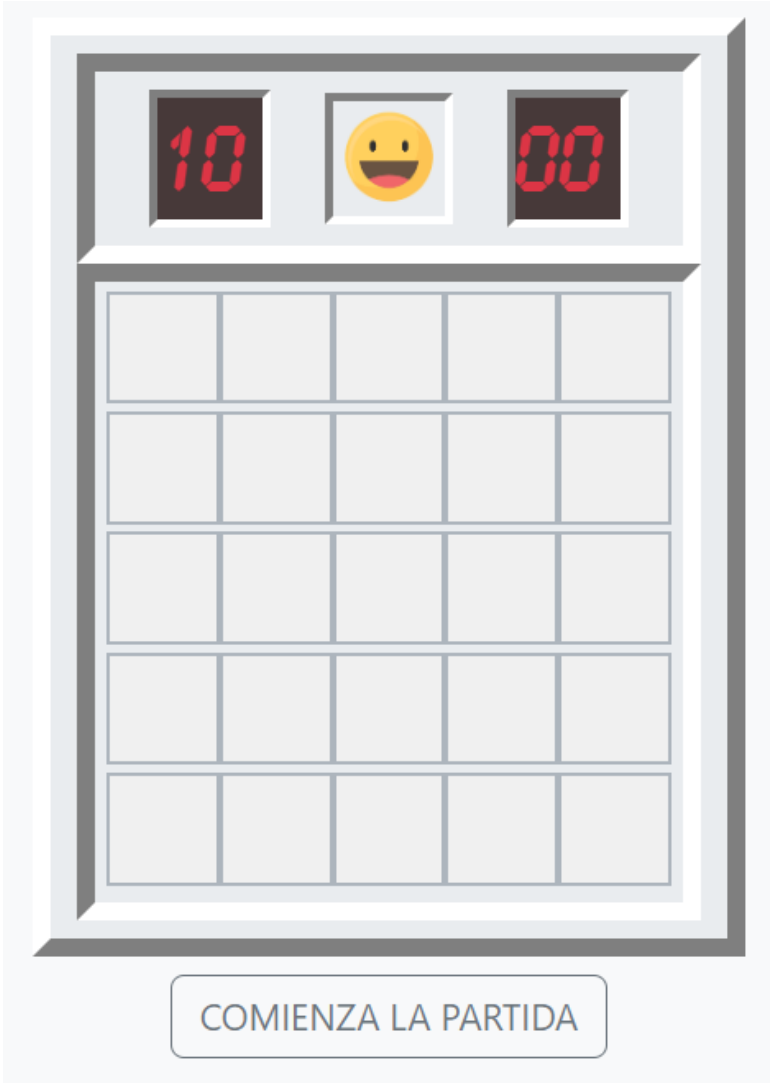


https://github.com/pgomezarnalVIU/masterclassReact/tree/08-Respondiendo-Eventos

UseState

https://react.dev/learn/state-a-components-memory





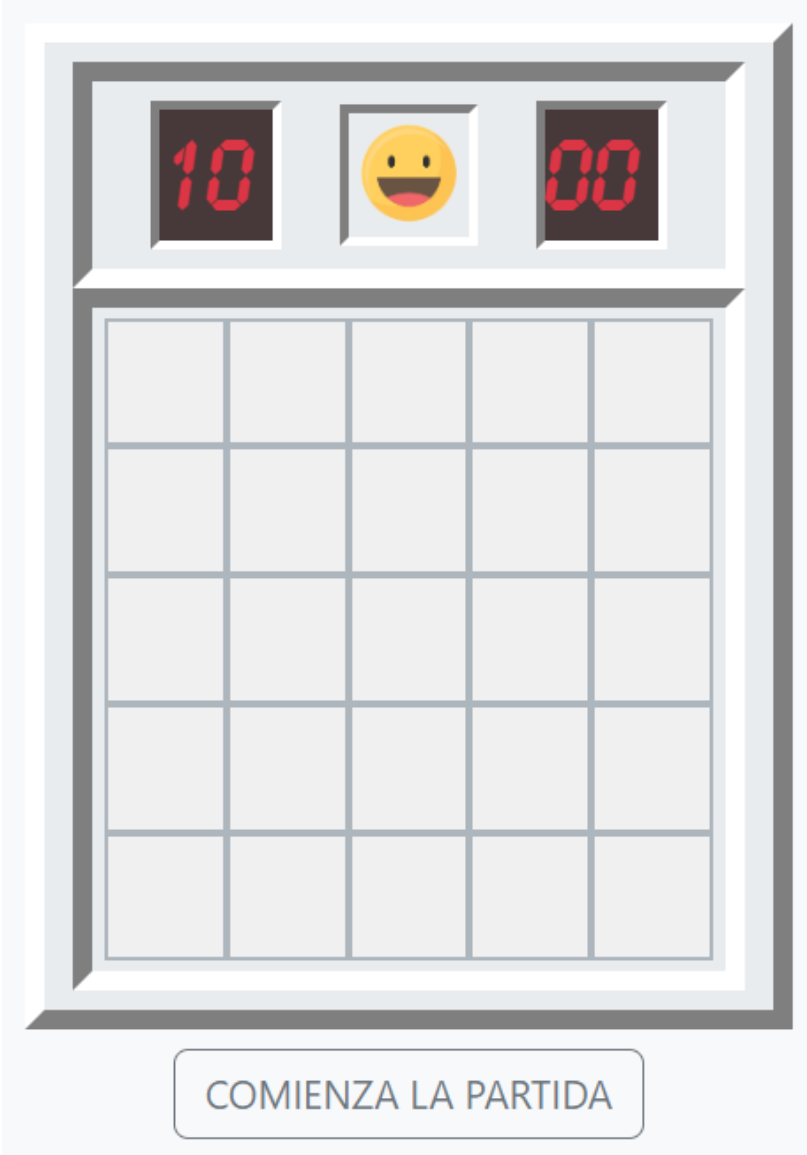
https://github.com/pgomezarnalVIU/masterclassReact/tree/09-useState

Renderizado condicional

https://react.dev/learn/conditional-rendering

```
 if (isPacked) {
  return <li className="item">{name}
✓</li>;
}
return <li
className="item">{name}</li>;
```

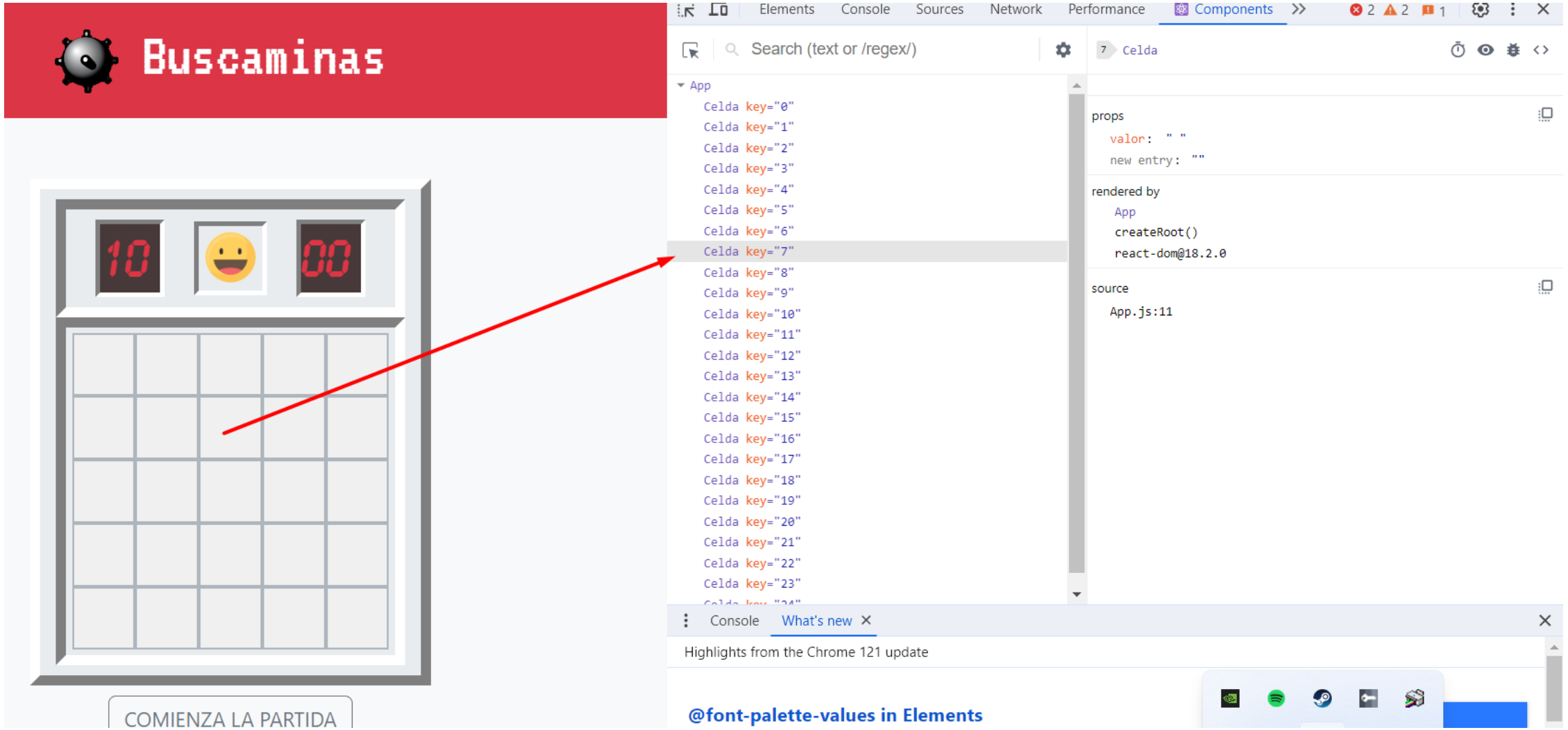
https://react.dev/learn/conditional-rendering#conditional-ternary-operator--



https://github.com/pgomezarnalVIU/masterclassReact/tree/10-conditional-render

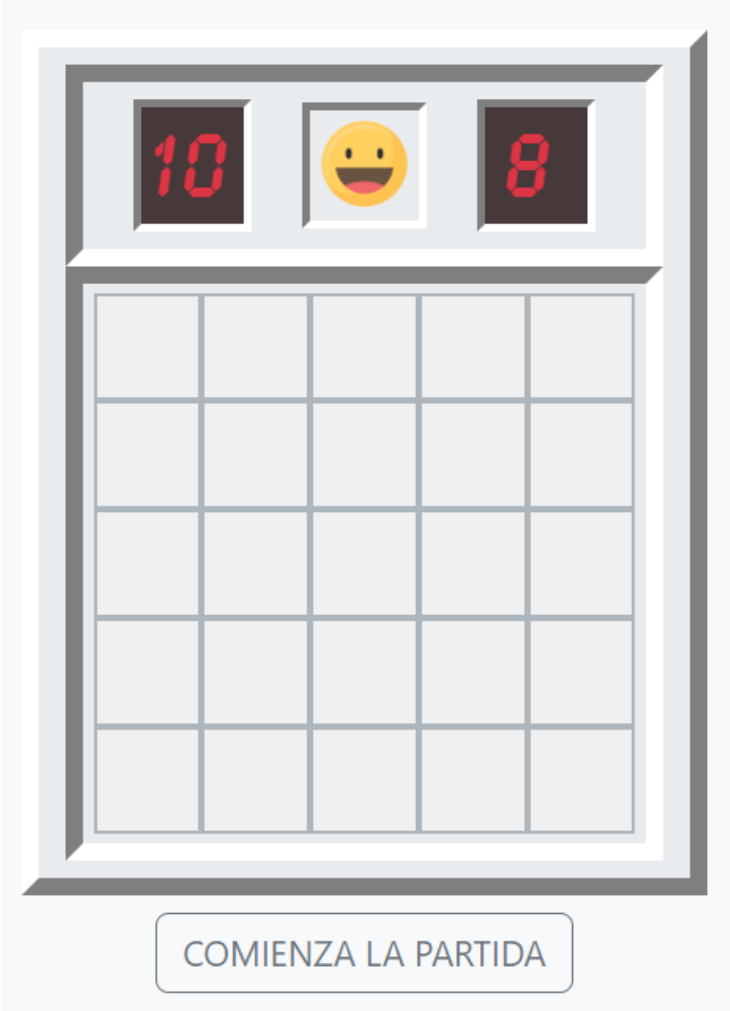
React Developer Tools

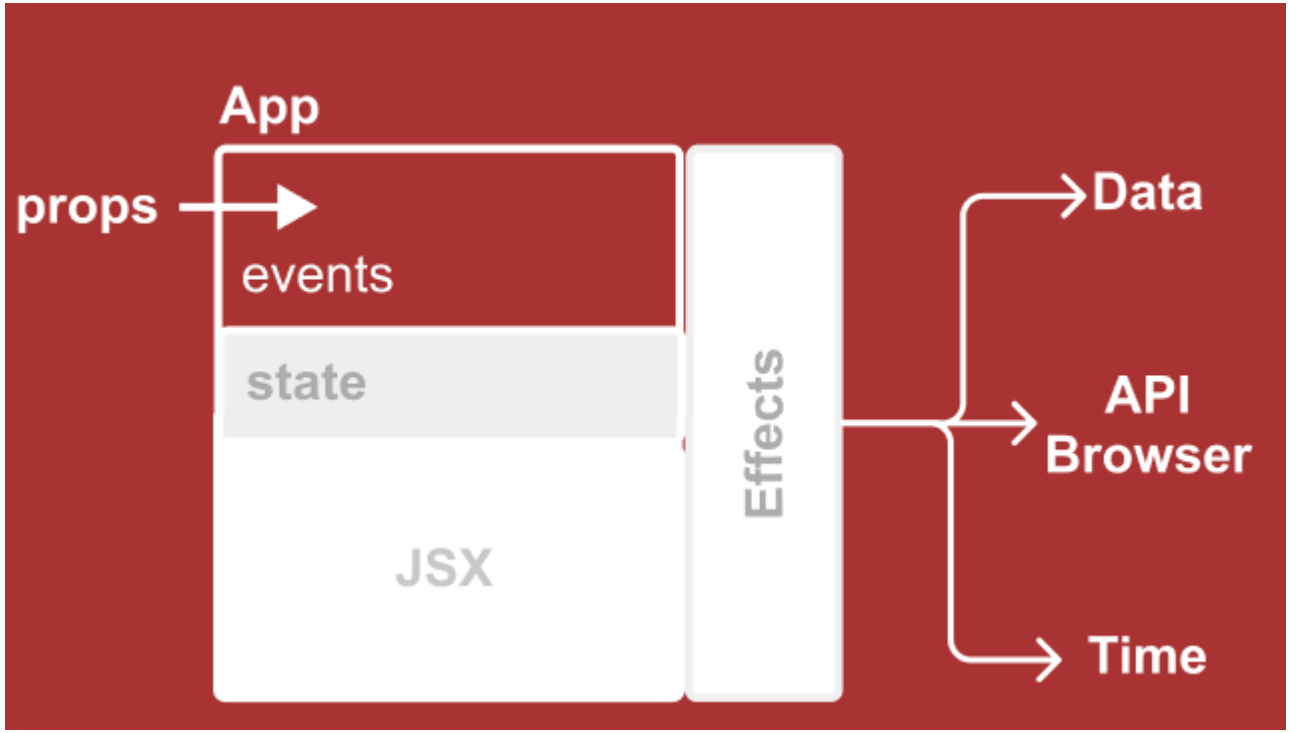
https://chromewebstore.google.com/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi



useEffect

https://react.dev/learn/responding-to-events





https://github.com/pgomezarnalVIU/masterclassReact/tree/12-useEffect

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