

Git

Push change

```
git add <fileName>  
git commit -m "<message>"  
git push origin main
```

Merge

Pull changes

```
git merge  
<solve conflicts>
```

Push change

Pull changes

```
git add <fileName>  
git commit -m "<message>"  
git pull
```

Other useful things...

```
Git status  
Git Branch (...)  
Git rebase
```

Run project

Go to the right folder in your terminal

>yarn dev / yarn start / yarn run

Ctrl+ click in the link, or copy paste it in the browser to see the server

>Ctrl+C To stop the process

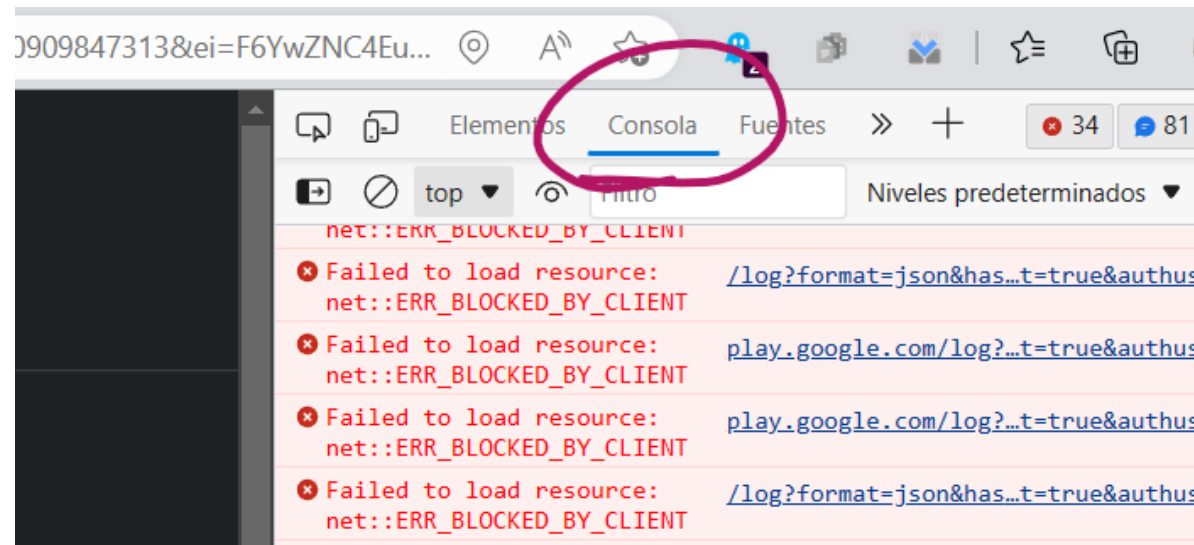
Debug

Right click in the browser

Select 'inspect'

In the new menu, from the top select 'console'

Read ONLY the errors related to the react app!



Rules of React Components

- The name of component always starts with capital letter
- The name of file is the SAME name as the one of the component
- Return ONLY ONE object. You can nest objects!
- Prefer functional components, but you can use classes as well

Creating React functional Components

```
import React, {useState} from 'react';

export default function Component2(props){
  const [var1, setVar1] = useState("initial value");
  return(
    <div>
      {props.title}
      value is {a}
    </div>
  )
}
```

Using Components

```
•  
•  
//other imports  
import Component1 from './Component1'  
  
export default function FatherComp()  
{  
    <Component1 id="Another prop"/>  
}
```

CSS

Regular css

```
//in the css file
.menu{
    display: flex;
    flex-direction: col;
    align-items: center;
    justify-content: space-between;

    height: 10px;
    width: 10px;
    background-color: red;
}

//in the html file
<div class="menu">
```

Tailwind on React

```
//In the functional component
<div class="flex flex-col h-20 w-20">
```

Important css

Display flex, or how the **inside elements** are organized:

Css	tailwind	description									
Display: flex;	flex	Allows elements to dynamically change sizes or order									
flex-direction: column/row;	flex-col/ flex-row	Inside elements are displayed in column or rows									
align-items: center /flex-start/flex-center;	Items-center/ items-start/ items-end	<table><tr><td> </td><td>start</td><td> </td></tr><tr><td>Center</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td>end</td></tr></table>		start		Center					end
	start										
Center											
		end									
justify: center/start/ space-between / space-around / space-evenly ;	Justify-center/ justify-start/ justify-between/justify-around/justify-evenly	Like align items, but horizontally Between: spaced evenly but touching the sides Around: spaced evenly, including between walls Evenly: like around, but extra space with walls									

Important css

Size of the elements

Css	tailwind	description
width: 100%/auto/100vw/20px;	width-full/width-fit/width-screen/with-20	100%: as big as the container Auto: as big as the space used by inner elements 100vw: as width as your screen 20px: exactly the size you want
width: 100%/auto/100vh/20px;	idem	idem
min-width: idem; min-height: idem;	min-w-idem min-h-idem	It can be bigger, but never smaller than
max-width: idem; max-height: idem;	max-w-idem max-h-idem	It can be smaller, but never larger than

Important css

Style of container

Css	tailwind	description
Border-round: 10px;	rounded-border-sm /md/lg/xl/2xl	Make borders of container round. You can also use %, but its tricky
border-style: none/solid/dash; border-color:rgb(0,0,0)/#ffffff; border-width: 0/1pxf	border-solid/etc. border-blue-500 border-0/border-2	-Define the style of the border -only shows with visible border. Tailwind has predef colors -the thickness, if set to 0, the previous props don't matter
Background-color: rgb(0,0,0)/#ffffff;	bg-red-500	-in can be gradient or transparent. Tw has predef colors Color: #ffff/ modifies the text color
box-shadow: rgb(0,0,0);	shadow-sm/lg/xl/2x/inner	Shadow of the container. Can use transparency Preferably, use a website to accomplish the shadow you are looking for in regular css

Important css

text

Css	tailwind	description
font-size: 10px;	text-sm/md/xl/.../7xl	Size of the text. Tailwind has predefined values
font-weight: 200/400/500/.../1000;	font-thin/light/normal/medium/semibold/bold/extrabold/black	Thickness of the letter. Discrete values in both cases. Some thickness will not show if the font is “too” small
color: rgb(0,0,0)/#ffff;	color-red-500	Tailwind has predefined value. You can use transparencies

Important css

Fix your css!, or how to handle overflows of content

In order for them to work, make sure you set the exact size of the container and display (probably flex)

Css	tailwind	description
word-break: break-all; overflow-wrap: break-word;	break-all Break-words	-cut words and continue them in next line. -cut words and continue them in next line. But if they fit in next line, just put them there
overflow-y: auto;/overflow-x: auto; overflow: hidden;	overflow-y-auto overflow-hidden	-adds a scroll only if necessary -if the content is bigger than container, hide the extra stuff
flex-wrap: wrap/nowrap;	flex-wrap/flex-nowrap	-if the column/row is full, continue adding elements to the next one