

W6 - PRACTICE

Props – List display

💡 At the end of this practice, you should be able to...

- ✓ Display **names dynamically**, using **curly braces {xx}**
- ✓ Display a **list** of data
- ✓ Display **images** dynamically
- ✓ Pass data to nested components using **props**

🛠 How to work?

- ✓ Download **the start code** from the Google classroom
- ✓ For each exercise you can either:
 - Run `npm install`
 - Or move an existing `node_modules` to the exercise folder (*fastest option!*)

📥 How to submit?

- ✓ **Create a repository on GitHub** with the name of this practice:
Ex: `C2-S1-PRACTICE`
- ✓ **Push your final code** on this GitHub repository (if you are lost, [follow this tutorial](#))
- ✓ Finally, submit on **Google classroom** your GitHub repository URL
Ex: `https://github.com/thebest/C2-S1-PRACTICE.git`

❓ Are you lost?

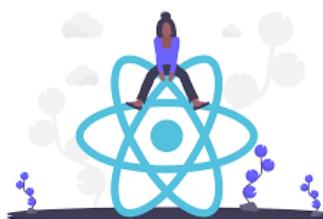
You can read the following documentation to be ready for this practice:

https://www.w3schools.com/react/react_jsx.asp

https://www.w3schools.com/react/react_props.asp

<https://www.gatsbyjs.com/docs/how-to/images-and-media/importing-assets-into-files/>

https://www.w3schools.com/react/react_conditional_rendering.asp



EXERCISE 1

Your task is to fill the **User** component!

You have a global existing `userData`, containing a first name, last name, and title.

- Output the **user's first name** and **last name** () inside of the User component's `<h2>` element.
- Output the **title** inside of the User component's `<p>` element.

Note: you can change the user data 😊

The finished app could look like this:



EXERCISE 2

Well done!

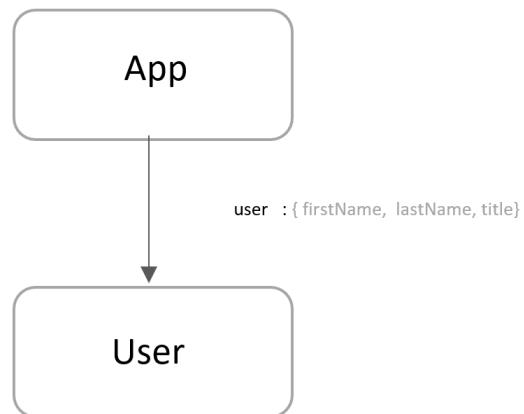
But now we have 2 people to display using this **User** Component: Vinh and My Ngo!

Note: you CANNOT create 2 components, you need to use the user component and pass data to this component

The finished app could look like this:



App will provide a user data to each User component:



EXERCISE 3

Amazing!

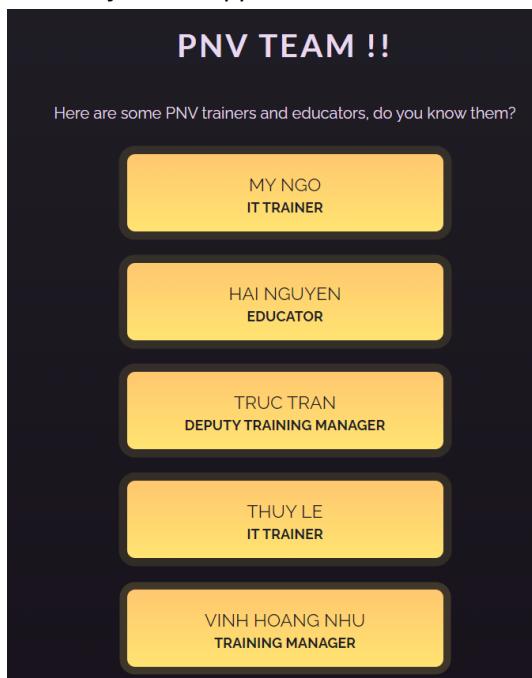
But now we need to display a bigger list of PNV teachers, using this **User** Component...
The data comes from **teachers.js** and we already imported this list.

```
export const ALL_PNV_TEACHERS = [  
  {  
    firstName: "My",  
    lastName: "Ngo",  
    title: "IT Trainer",  
  },  
  {  
    firstName: "hai",  
    lastName: "Nguyen",  
    title: "Educator",  
  },  
]
```

All you need is to loop on this list now and **create a User component for each teacher**.

Need help? You can [read this doc](#) to render lists with a loop

The finished app could look like this:



EXERCISE 4

Amazone!

Now we want to display a **list of places**.

- The places come from `data.js` and we already imported this list.
- Each place shall be displayed using the **Place** component

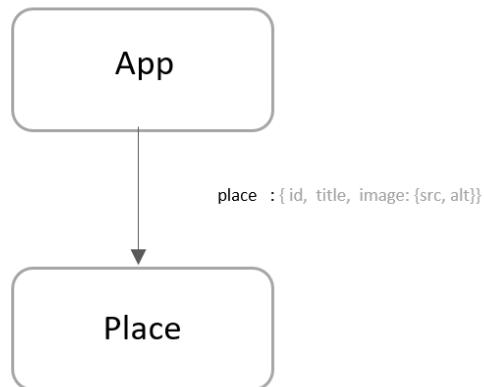
The mapping between Place component attribute and the data is the following one:

Place component	Place data
<pre><li key="the place id" className="place-item"> <button> <h3>"the place title"</h3> </button> </pre>	<pre>{ id: "p1", title: "Forest Waterfall", image: { src: forestWaterfallImg, alt: "A tranquil forest with a cascading waterfall", }, },</pre>

The finished app could look like this



App will provide a place data to each Place component:



EXERCISE 5

Amazooooooooooooone!

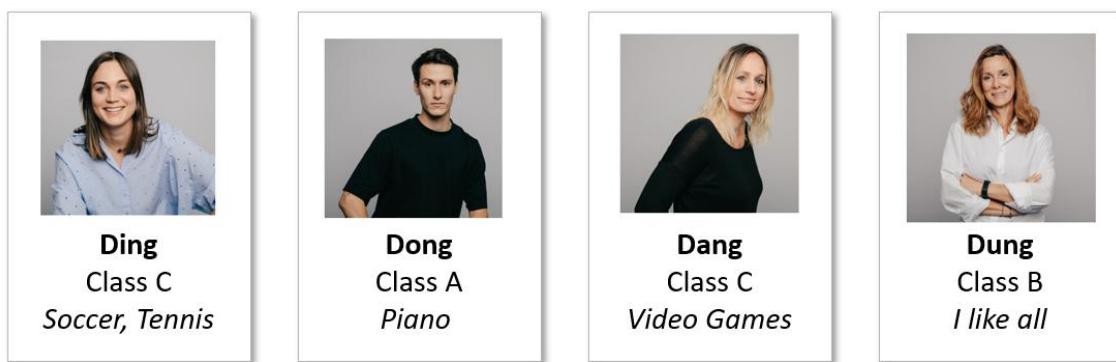
For this last exercise, you need to show your **creativity**!

1. You need to start from an **empty app**.
2. You are **free** to choose your design and content.
3. Your app shall display a list of cards using a **Card** component. Each card shall contain:
 - A picture of someone or something
 - Extra information (for example: *name, hobbies, gender, address, price...*)
4. All data shall be stored in the file: **data.js**

❓ Are you lost in CSS and HTML?

We have provided an example of HTML/CSS code in the following folder: **html-sample-code**

Example



App will use a Card component to display the items:

