**Gérer Data React**

**A. Utiliser API**

const [data, setData] = useState([]); *//setData permet de changer la valeur de la variable data*

  const [rangeValue, setRangeValue] = useState(36);

  const [selectedRadio, setSelectedRadio] = useState("");

  const radios = ["Africa", "America", "Asia", "Europe", "Oceania"];

*// Le useEffect se joue lorsque le composant est monté*

  useEffect(() => {

    axios

      .get("https://restcountries.com/v3.1/all")

      .then((*res*) => setData(*res*.data));

  }, []);

return (

    <div *className*="countries">{*/\* Partie affichage des pays \*/*}

      <ul>

        {data

          .filter((*country*) => *country*.continents[0].includes(selectedRadio))

          .sort((*a*, *b*) => *b*.population - *a*.population)

          .slice(0, rangeValue)

          .map((*country*, *index*) => (

            <Card *key*={*index*} *country*={*country*} />

          ))}

      </ul>

    </div>

  );

};

**Card**

import React from "react";

const Card = ({ *country* }) => {

*//on destructurant {Country},le composant parent(Countries) envoie les infos au composent enfant (Card)*

  return (

    <li *className*="card">

      <img

*src*={*country*.flags.svg}

*alt*={"drapeau " + *country*.translations.fra.common}

      />

      <div *className*="infos">

        <h2>{*country*.translations.fra.common}</h2>

        <h4>{*country*.capital}</h4>

        <p>Pop. {*country*.population.toLocaleString()}</p>

      </div>

    </li>

  );

};

**B. BDD Json**

**1. installation dep**

Npm i json-server

**2.Ajouter dans package.json pour faire tourner plus facilement (pas avoir a taper tt la ligne)**

  "scripts": {

    "start": "react-scripts start",

    "build": "react-scripts build",

    "test": "react-scripts test",

    "eject": "react-scripts eject",

    "server":"`json-server --w src/assets/db.json --port 3004`"

  },

**3. Ouvrir un nouveau terminal et lancer server**

Npm run server

**4.Avoir BDD json**

Ici on a une seule table articles, on pourrait en avoir plusieurs

{

  "articles": [

    {

      "author": "From Scratch",

      "content": "      Lorem, ipsum dolor sit amet consectetur adipisicing elit. Sapiente doloribus vel sunt laborum eos enim odit maxime corporis vero nihil voluptatum a, ullam delectus ad sit. Odit quis adipisci illo sit porro recusandae? Sequi, dolorum repellendus doloremque qui tempora beatae.",

      "date": 1621530288602,

      "id": 1

    },

    {

      "author": "Bill Gates",

      "content": "Lorem, ipsum dolor sit amet consectetur adipisicing elit. Sapiente doloribus vel sunt laborum eos enim odit maxime corporis vero nihil voluptatum a, ullam delectus ad sit. Odit quis adipisci illo sit porro recusandae? Sequi, dolorum repellendus doloremque qui tempora beatae.\n\nLorem, ipsum dolor sit amet consectetur adipisicing elit. Sapiente doloribus vel sunt laborum eos enim odit maxime corporis vero nihil voluptatum a, ullam delectus ad sit. Odit quis adipisci illo sit porro recusandae? Sequi, dolorum repellendus doloremque qui tempora beatae.",

      "date": 1621536029778,

      "id": 2

    },

    {

      "author": "Mark Zuckerberg",

      "content": "Lorem, ipsum dolor sit amet consectetur adipisicing elit. Sapiente doloribus vel sunt laborum eos enim odit maxime corporis vero nihil voluptatum a, ullam delectus ad sit. Odit quis adipisci illo sit porro recusandae? Sequi, dolorum repellendus doloremque qui tempora beatae.Lorem, ipsum dolor sit amet consectetur adipisicing elit. Sapiente doloribus vel sunt laborum eos enim odit maxime corporis vero nihil voluptatum a, ullam delectus ad sit. ",

      "date": 1621536056135,

      "id": 3

    }

  ]

}

5. Afficher Data

  const getData = () => {

    axios.get("http://localhost:3004/articles").then((*res*) => {

      setBlogData(*res*.data);

    });

  };

6. Ajouter Data depuis site

  const handleSubmit = (*e*) => {

*e*.preventDefault();

    if (content.length < 140) {

      setError(true);

    } else {

      axios.post("http://localhost:3004/articles", {

        author: author,

        content: content,

        date: Date.now(),

      });

      setError(false);

      setAuthor("");

      setContent("");

      getData();

    }

  };

7.MAJ data

const handleEdit = () => {

    const data = {

      author: *article*.author,

      content: editContent ? editContent : *article*.content,

      date: *article*.date,

      updatedDate: Date.now(),

    };

    axios.put("http://localhost:3003/articles/" + *article*.id, data).then(() => {

      setIsEditing(false);

    });

  };

8. Supprimer Data

  const handleDelete = () => {

    axios.delete("http://localhost:3003/articles/" + *article*.id);

    window.location.reload();

  };