APPLICATION FOR COVID

HTML
CSS
JAVASCRIPT
REACT

Corona virus Tunisia

Infected

369,440,775

Sat Jan 29 2022

Number of active cases from COVID-19.

Recovered

0

Sat Jan 29 2022

Number of recoveries from COVID-19.

Deaths

5,648,611

Sat Jan 29 2022

Number of deaths caused by COVID-19.

United States

Infected   Deaths   Recovered
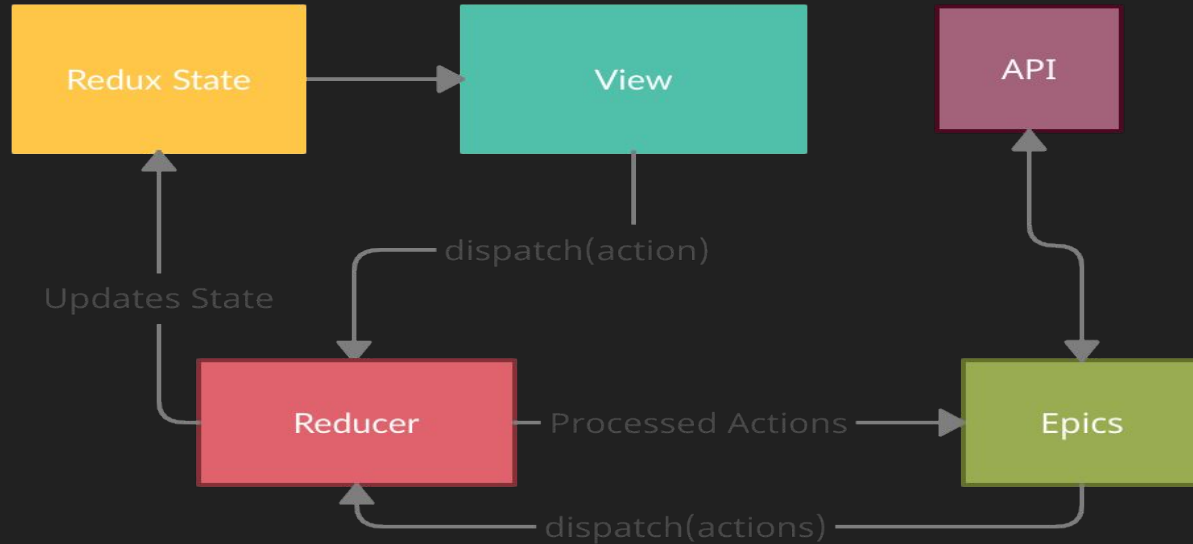
30000000

25000000

REACT

1/npX create-react-app appcovid

2/Extending a Component **allows us to pass props to a user defined class when a constructor is not present like** it is in the App class

```
class App extends React.Component {
    render() {
        return (
        <div>
            <h1>App</h1>
        </div>
        )
    }
}
```

Install axios

Making API calls with Redux-Observable and Axios

Redux State → View

API

dispatch(action)

Updates State

Reducer — Processed Actions → Epics

dispatch(actions)

API

```javascript
import axios from 'axios';

const url = 'https://covid19.mathdro.id/api';

export const fetchData = async () => {
  try {
    const response = await axios.get(url);

    return response;
  } catch (error) {

  }
}
```

Console.log

```
[HMR] Waiting for update signal from log.js:24
WDS...
                                        App.js:12
▼Object ⚊
  ▼data:
    ▶ confirmed: {value: 965246, detail: "https…
    ▶ recovered: {value: 204605, detail: "https…
    ▶ deaths: {value: 49236, detail: "https://c…
      dailySummary: "https://covid19.mathdro.id…
    ▶ dailyTimeSeries: {pattern: "https://covid…
      image: "https://covid19.mathdro.id/api/og"
      source: "https://github.com/mathdroid/cov…
      countries: "https://covid19.mathdro.id/ap…
    ▶ countryDetail: {pattern: "https://covid19…
      lastUpdate: "2020-04-02T15:10:13.000Z"
    ▶ __proto__: Object
    status: 200
    statusText: ""
  ▶ headers: {cache-control: "public", content…
  ▶ config: {url: "https://covid19.mathdro.id/_
  ▶ request: XMLHttpRequest {readyState: 4, ti…
  ▶ __proto__: Object
```

```javascript
import axios from 'axios';

const url = 'https://covid19.mathdro.id/api';

export const fetchData = async () => {
  try {
    const { data: { confirmed, recovered, deaths, lastUpdate } } = await axios.get(url);

    const modifiedData = {
      confirmed: data.confirmed,
      recovered: data.recovered,
      deaths: data.deaths,
      lastUpdate: data.lastUpdate,
    }

    return modifiedData;
  } catch (error) {

  }
}
```

Like bootstrap but more sophisticated

Exemple: `import { Card, CardContent, Typography, Grid } from '@material-ui/core';`

MATERIAL-UI

React components for faster and easier web development.
Build your own design system, or start with Material Design.

GET STARTED

```
CountUp
  start={0}
  end={confirmed.value
  duration={2.5}
  separator=","
```

covered

AL DATA

AL DATE

nber of recoveries from COVID-

Infected

391,374

REAL DATE

Number of active cases of COVID-19
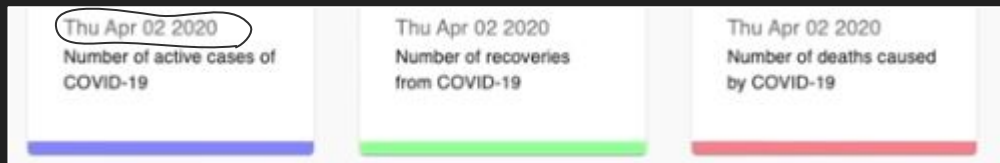
In cards.jsx

Number of

RECOVERY

confirm

DEATH

****

Countup :

DATE // // //

DATE `{new Date(lastUpdate).toDateString()}`


```css
.container {
  margin: 50px 0;
}

.card {
  margin: 0 2% !important;
}

.infected {
  border-bottom: 10px solid rgba(0, 0, 255, 0.5);
}

.recovered {
  border-bottom: 10px solid rgba(0, 255, 0, 0.5);
}

.deaths {
  border-bottom: 10px solid rgba(255, 0, 0, 0.5);
}
```

tweaks

Mobile devices screen:

xs={ and md={

CHART `npm install --save chart.js`

`from 'react-chartjs-2';`

https://www.chartjs.org

Chart.js | Open source HTML5 Charts for your website
Simple, clean and engaging HTML5 based JavaScript charts. Chart.js is an easy way to include animated, interactive graphs on your website for free.

ChartJS Docs
Getting Started - Usage - API - 2.7.3 (opens new window) - ...

Vertical Bar Chart
const config = { type: 'bar', data: data, ...

Line Chart
data.datasets[index] - options for this dataset only; options.

Usage
Chart... modu...

Samples
The samples have an actions code block. These actions are not ...

Get...
Now ... use, ...

More results from chartjs.org »

Linechart
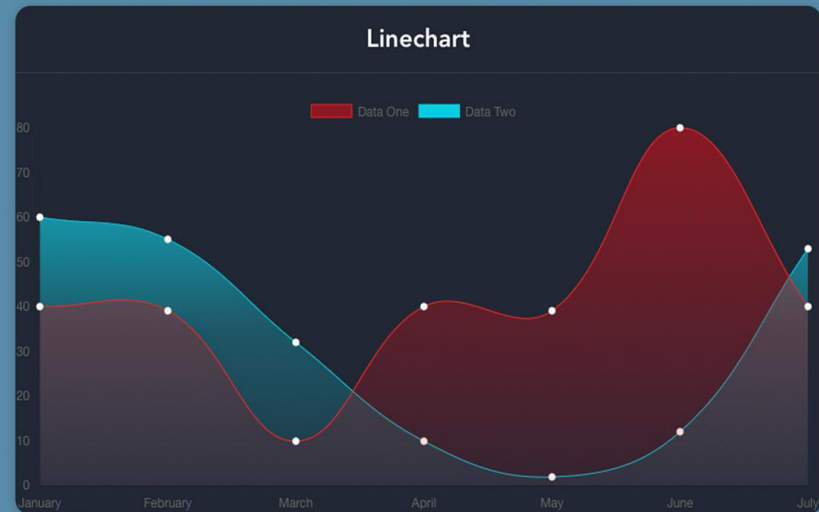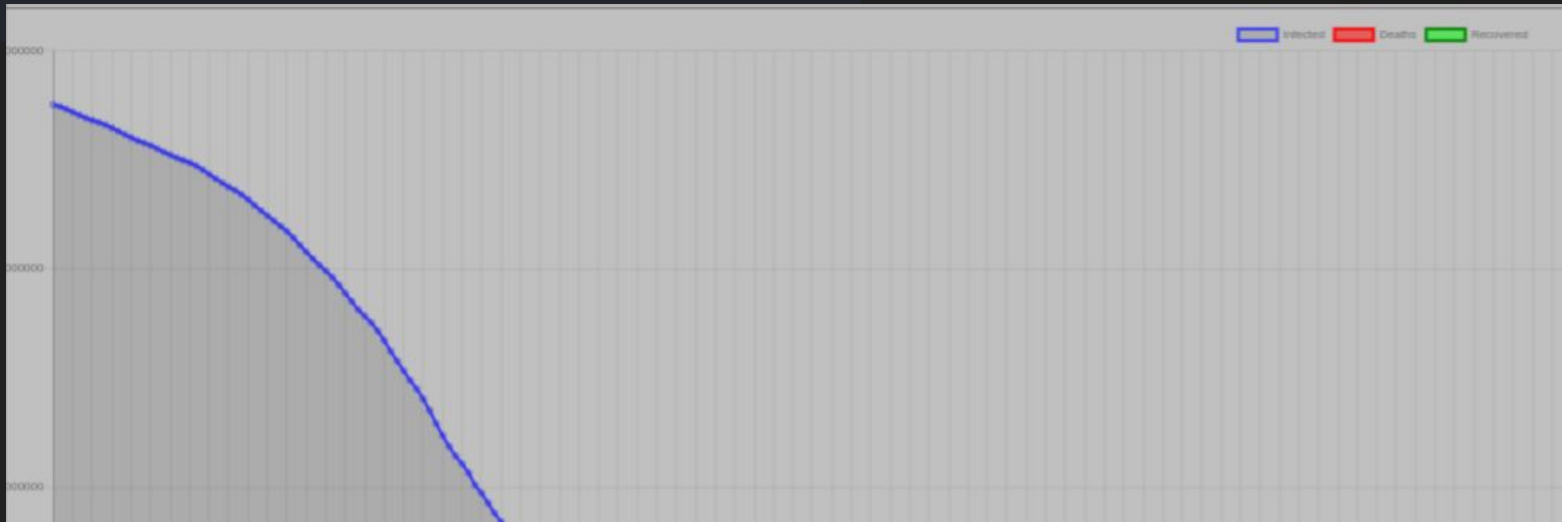
```
datasets: [{
  data: dailyData(({ confirmed }) ⟹ confirmed),
  label: 'Infected',
  borderColor: '#3333ff',
  fill: true,
}, {
  data: dailyData(({ deaths }) ⟹ deaths),
  label: 'Deaths',
  borderColor: 'red',
  backgroundColor: 'rgba(255, 0, 0, 0.5)',
  fill: true,
}],
```

Blue
Red
Green

Countries Selector:

```
{fetchedCountries.map((country) => <option>{country}</option>)}
```

181 country fetched with 2 name

And three name of characters

```
{data: {…}, status: 200, statusText: "", headers: {…},
{…}, …}
▼data:
  ▼countries: Array(181)
    ▼[0 … 99]
      ▼0:
          name: "Afghanistan"
          iso2: "AF"
          iso3: "AFG"
        ▶ __pro  [""0""].iso2 .
      ▶1: {name: "Albania", iso2: "AL", iso3: "ALB"}
      ▶2: {name: "Algeria", iso2: "DZ", iso3: "DZA"}
      ▶3: {name: "Andorra", iso2: "AD", iso3: "AND"}
      ▶4: {name: "Angola", iso2: "AO", iso3: "AGO"}
      ▶5: {name: "Antigua and Barbuda", iso2: "AG", iso…
      ▶6: {name: "Argentina", iso2: "AR", iso3: "ARG"}
      ▶7: {name: "Armenia", iso2: "AM", iso3: "ARM"}
      ▶8: {name: "Australia", iso2: "AU", iso3: "AUS"}
      ▶9: {name: "Austria", iso2: "AT", iso3: "AUT"}
      ▶10: {name: "Azerbaijan", iso2: "AZ", iso3: "AZE"
      ▶11: {name: "Bahamas", iso2: "BS", iso3: "BHS"}
      ▶12: {name: "Bahrain", iso2: "BH", iso3: "BHR"}
      ▶13: {name: "Bangladesh", iso2: "BD", iso3: "BGD"}
      ▶14: {name: "Barbados", iso2: "BB", iso3: "BRB"}
      ▶15: {name: "Belarus", iso2: "BY", iso3: "BLR"}
      ▶16: {name: "Belgium", iso2: "BE", iso3: "BEL"}
      ▶17: {name: "Belize", iso2: "BZ", iso3: "BLZ"}
      ▶18: {name: "Benin", iso2: "BJ", iso3: "BEN"}
      ▶19: {name: "Bhutan", iso2: "BT", iso3: "BTN"}
      ▶20: {name: "Bolivia", iso2: "BO", iso3: "BOL"}
      ▶21: {name: "Bosnia and Herzegovina", iso2: "BA",
```
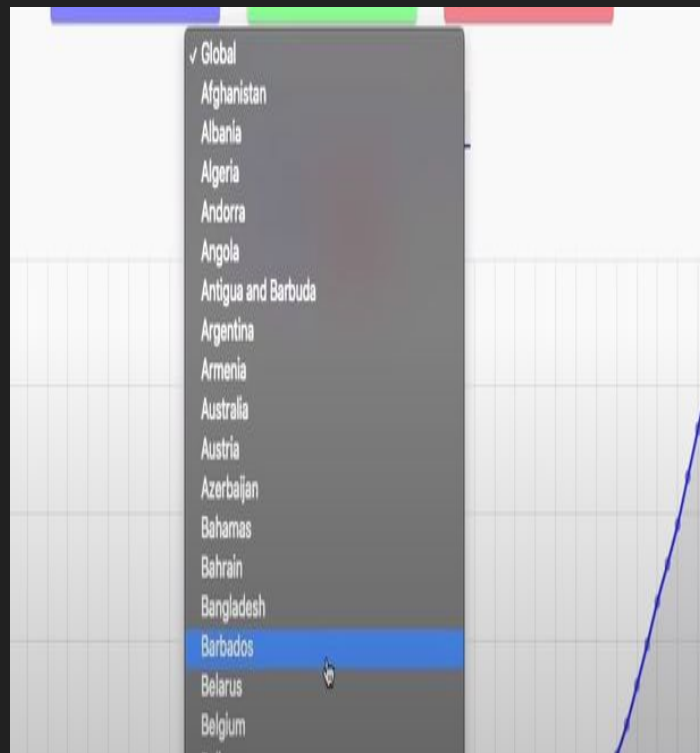
Country option select


```
(country, i) => <option key={i} value={country}>
```