

Ep. 09 Optimizing Our App

SINGLE Responsibility Principle: Our Component that we Create, should have single responsibility.

- Don't create Component with Multiple Responsibilities.

Modularity: You break your code into different small small Modules.
So that your code becomes more maintainable & more testable & more Reusable.

Custom Hooks: Create your own Custom Hooks.

↓
at the end of the hooks
are just utility fn.

(creating a Custom Hook is not Mandatory thing)
But it will make Code Readable, Modular, more Reusable

- If you want to create your own Custom Hook. It's preferred to create a separate new file for it.
 - Name the file exactly the same name of the Hook.
 - whenever creating a custom hook start with "use" & small case

Browser gives us the capability to view our website in Offline Mode
By disconnecting Internet inside Browser.

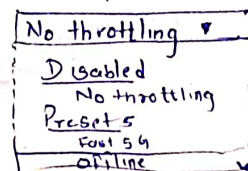
Chunking
Code-Splitting
Dynamic bundling
lazy loading
on demand loading

} All are same

→ Go to Inspect

→ Network tab

→ Select dropdown menu



→ Select Offline

While creating large-scale React Application, you need to do \Rightarrow
(chunking / Code-Splitting / Dynamic-loading / On Demand loading)
(lazy loading).

- It helps to create Separate chunking for different piece of code.

Because parcel bundler will bundle all your code
in one single bundle / single js file.

- Hence, this can lead to lower your performance, because
it will lead to increase the size of the file. (js file)

- Hence, we need to perform chunking / lazy-loading etc.

\hookrightarrow it create Separate bundler for
Separate Code (A Separate js file)

This can be possible you using React inbuilt dependency
(lazy loading using Suspense)

Eg:-

```
import React, {lazy, Suspense} from "react";
```

```
const About = ()  $\Rightarrow$  {
```

```
  const grocery = lazy(()  $\Rightarrow$  import("./path/to/component"));
```

```
  }
```

```
  export default About;
```

```
  <Suspense fallback={"JSX code"}>
```

```
    <About/>
```

```
  </Suspense/>
```

Here, lazy & Suspense are the dependency provided by React.

lazy() is a fn which takes Callback fn in the Input.

<Suspense/> is a Component which is used to load the
Component we required on Clicking

fallback is like a placeholder, where you pass JSX code or Component

- fallback will load the placeholder until original Component
is loading.

