Adding a top loading bar to NewsMonkey | Complete React Course in Hindi #36

In this article, we would be adding a top-loading bar to the NewsMonkey application. It is a great way of displaying the progress in the application, as the page didn't load in apps built using react.

Installing React loading bar package

First of all, we have to install a react loading bar npm package by using the below command:

```
npm i react-top-loading-bar
```

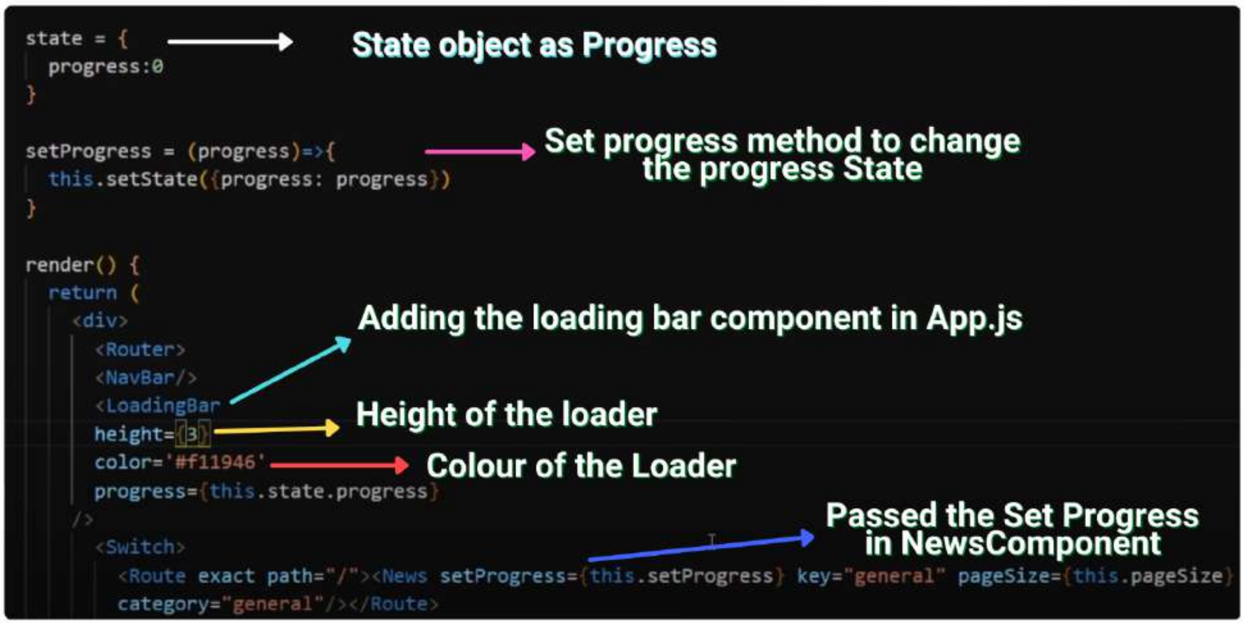
It is a very easy-to-use package. This package can be used in two ways:

1. With the help of 'ref'
2. With the help of 'state'

Here, we would be using the second method to add a loading bar to our application.

Using React Loading bar

Firstly, Make sure to import the Loading bar in "App.js". After that, add the loading bar in "App.js" as shown below:



```
state = {
  progress:0
}

setProgress = (progress)=>{
  this.setState({progress: progress})
}

render() {
  return (
    <div>
      <Router>
      <NavBar/>
      <LoadingBar
      height={3}
      color='#f11946'
      progress={this.state.progress}
      />
      <Switch>
        <Route exact path="/"><News setProgress={this.setProgress} key="general" pageSize={this.pageSize}
        category="general"/></Route>
```

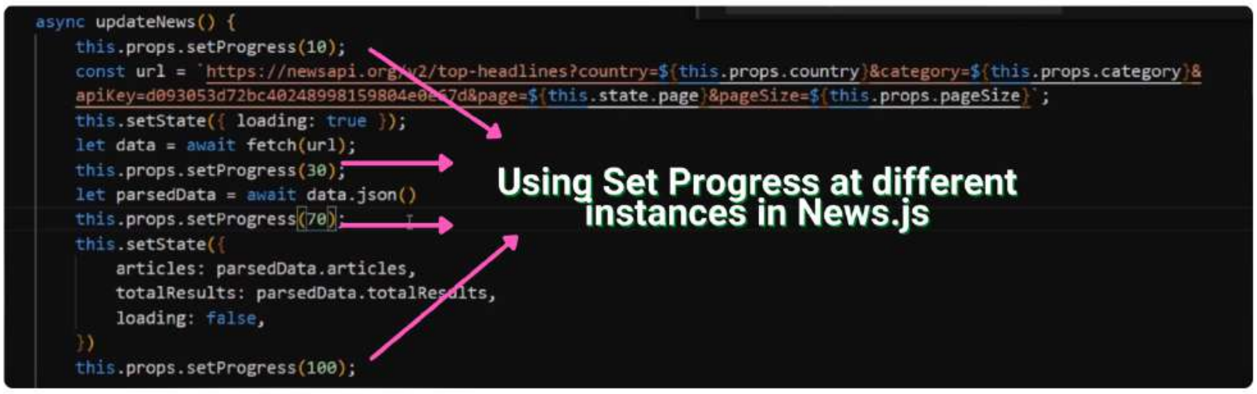
State object as Progress
Set progress method to change the progress State
Adding the loading bar component in App.js
Height of the loader
Colour of the Loader
Passed the Set Progress in NewsComponent

Figure 1.1: Using React Loading Bar

Explanation: Above, we have added our desired color, which is red, to the loading bar. We would create a state object having progress. Remember, the initial progress in the state is 0. We are using the state progress in the progress variable of the loader. After that, we have created a 'set progress' method to change the 'progress' of the created state. In the end, we passed the ‘set progress method to the NewsComponent. This will allow us to set progress from the NewsComponent. We have also set the height of the progress bar as 3 to have a clear visible look of the loader in the application.

In News.js:

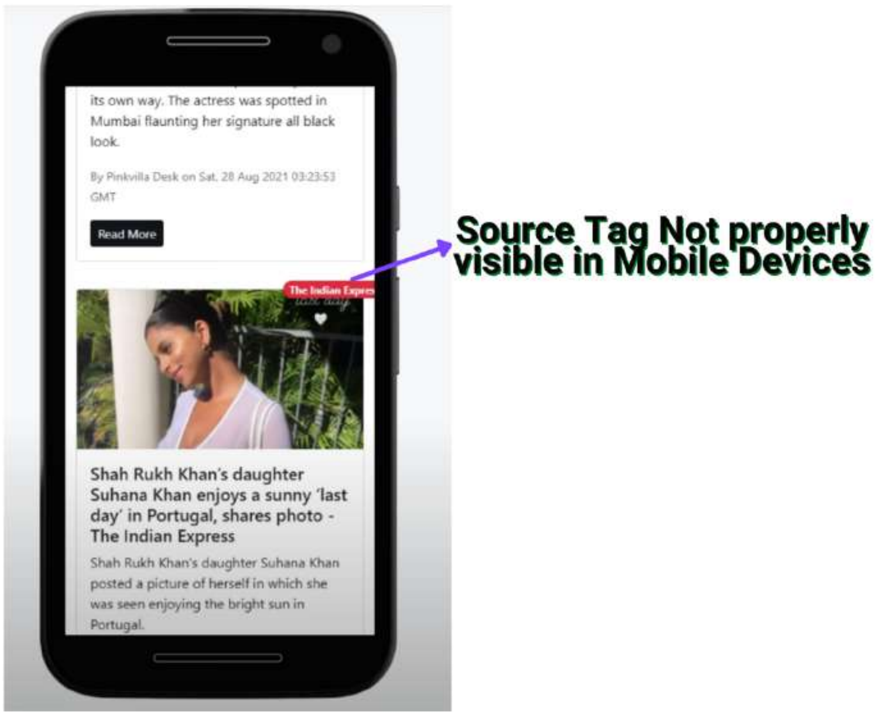
As a result of the above steps, we have a function in the NewsComponent that will allow us to change the state of the loading bar. So, now we would be using the loading bar at certain instances with different values. For example: when the data will be fetched for the very first time, we would be using set progress as a prop and would set its value as 10. After the data is being fetched we would set the progress as 30. In a similar manner, we have set the progress at different moments. This will provide a smooth-moving effect to the loading bar.



```
async updateNews() {
    this.props.setProgress(10);
    const url = `https://newsapi.org/v2/top-headlines?country=${this.props.country}&category=${this.props.category}&
    apiKey=d093053d72bc40248998159804e0e67d&page=${this.state.page}&pageSize=${this.props.pageSize}`;
    this.setState({ loading: true });
    let data = await fetch(url);
    this.props.setProgress(30);
    let parsedData = await data.json()
    this.props.setProgress(70);
    this.setState({
        articles: parsedData.articles,
        totalResults: parsedData.totalResults,
        loading: false,
    })
    this.props.setProgress(100);
```

Fixing issue - Source Badge Not responsive

We have noticed that the 'source News Badge' isn't displayed properly in the Mobile Devices as shown below:



its own way. The actress was spotted in Mumbai flaunting her signature all black look.

By Pinkvilla Desk on Sat, 28 Aug 2021 03:23:53 GMT

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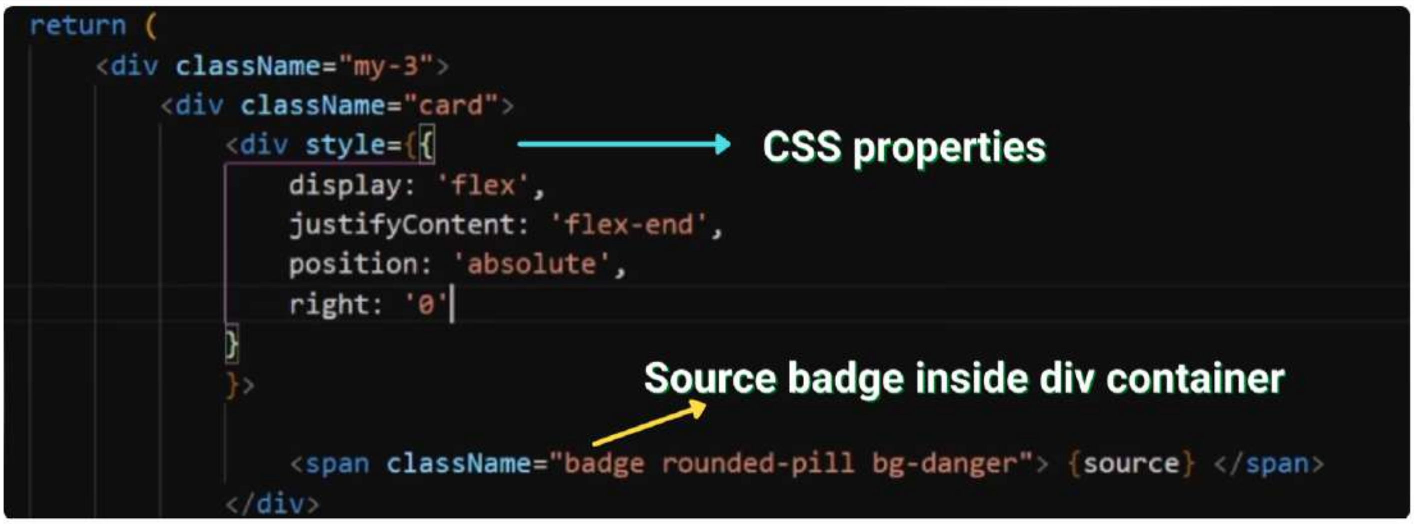
Figure 1.3 Source Badge - Not Responsive

To fix this issue we would be adding the Source badge inside a div container and setting the display, justifyContent, position, and right CSS properties as flex, flex-end, absolute, and 0 respectively.



```
return (
    <div className="my-3">
        <div className="card">
            <div style={{
                display: 'flex',
                justifyContent: 'flex-end',
                position: 'absolute',
                right: '0'
            }
            }>

                <span className="badge rounded-pill bg-danger"> {source} </span>
            </div>
```

Figure 1.4: Fixing Source badge issue

Result: Here's the look of our application on android and PC devices.

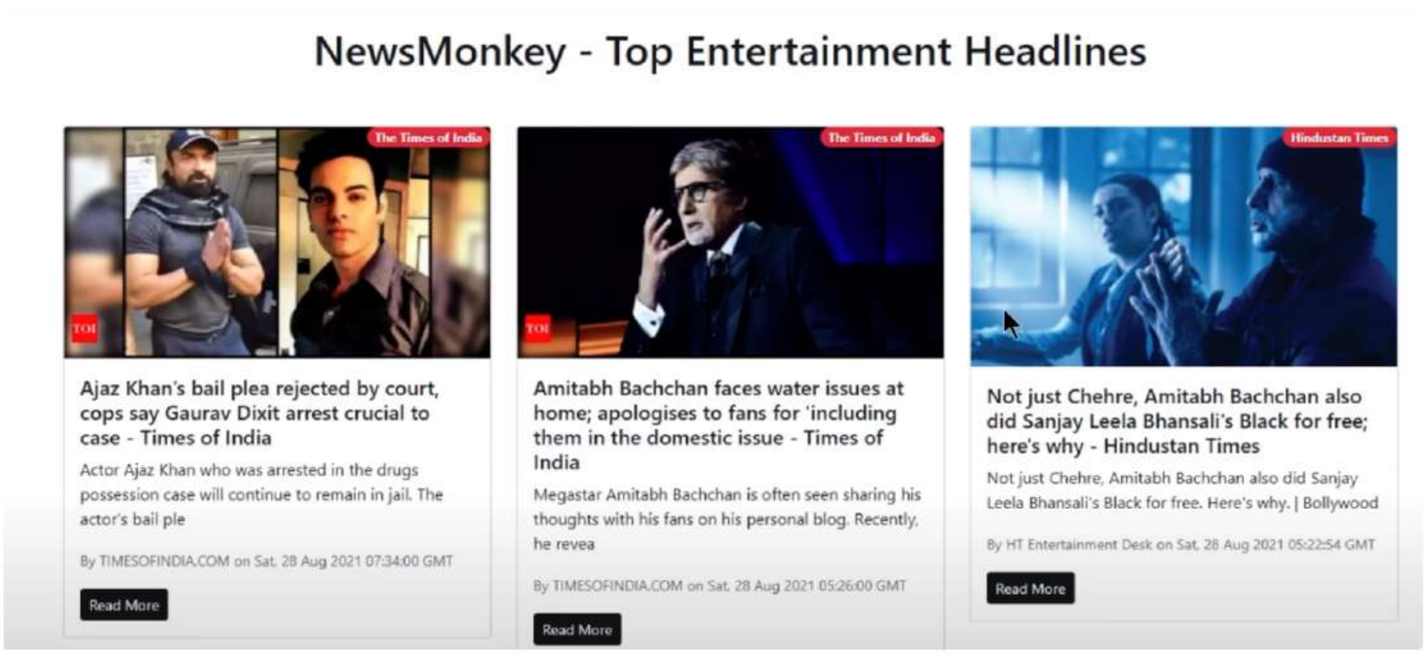


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Figure 1.5: The NewsMonkey Application