Fetching API Key from News API | Complete React Course in Hindi #24

In the last tutorial, we learned how to set up our News Monkey App. In this video, we will be fetching the API key from News API and designing our NewsMonkey application. So, without further ado, let's begin:

News API

We would be using a News API to render news in our news monkey Application. To check out the news API, click here. After that, log in to the news API by filling up some basic details like Name, Email, Password, and get your API key. After you are logged in, you will see your live API key in every example. We would be using the Top headlines Endpoint for our application.
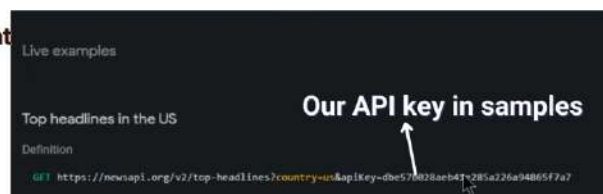

Figure 1.1: Using Top headline Endpoint

After doing so, we would get some sample response news for our application. In order to do that, copy the Definition Url and search for it on the internet to get the example response News as shown below:

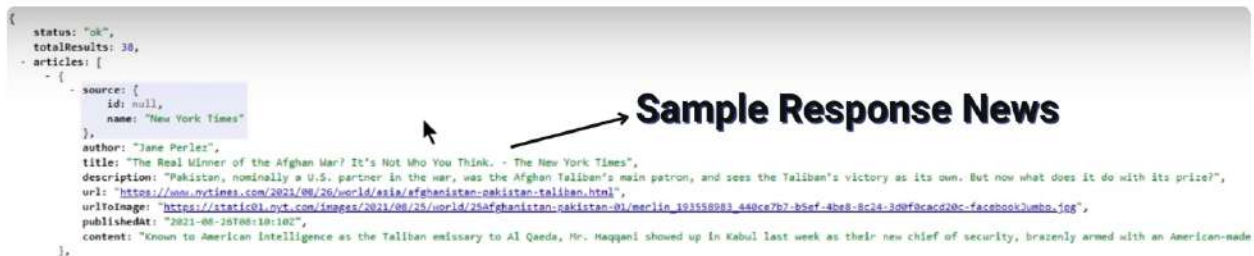**Figure 1.2: Our Sample Response News**

Note: We are getting the output as a parsed JSON because we have installed 'JSON view' extension. We will disable the extension and will copy the raw JSON code.
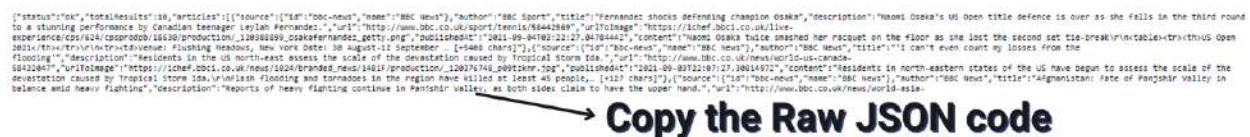

Figure 1.3: Copy the Raw JSON code

Using NewsAPI in News Monkey

Create a new file named sampleOutput.json and paste the sample response code into it. You can use the format document option to perfectly format your raw JSON code. Remember, It is just a piece of sample news and not real-time news. These sample articles will act as our News Item. As for now, we have four articles.

```
} sampleOutput.json > [ ] articles
1   {
2       "status": "ok",
3       "totalResults": 4,         → 4 News Articles
4       "articles": [
5           {
6               "source": {"id": "news24", "name": "News24"},
7               "author": "Sibusiso Mjikeliso",
8               "title": "Cricket SA wants to 'get to the bottom' of Nkwe resignation concerns, says CEO | Sport",
9               "description": "Acting Cricket South Africa CEO Pholetsi Moseki says the board is concerned about the
                Enoch Nkwe raised in his resignation.",
```

Figure 1.4: Four News Articles

Enhancing News Item Component

Visit bootstrap to get some designing components for the NewsMonkey application. We would like to use Cards to display our NewsItems. So, Copy the code of your desired card and paste it inside NewsItem.js as shown below:

```
3    export class NewsItem extends Component {
4        render() {
5            return (
6                <div>
7                    <div class="card" style="width: 18rem;">
8                        <img src="..." class="card-img-top" alt="...">
9                        <div class="card-body">
10                           <h5 class="card-title">Card title</h5>
11                           <p class="card-text">Some quick example text to build on the card
                               title and make up the bulk of the card's content.</p>
12                           <a href="#" class="btn btn-primary">Go somewhere</a>
13                       </div>
```

Figure 1.5: Adding Cards in NewsItem

Now, we will change the Title and Description of every card. To do that, we will be taking the title and description as a prop in the NewsItem.

Using props in class-based component

We would be passing the title and description of the News as a prop.

```
export class NewsItem extends Component {

    render() {                                          → Using Props
        let {title, description} = this.props;
        return (
            <div>
                <div className="card" style={{width: "18rem"}}>
                    <img src="..." className="card-img-top" alt="..."/>
                    <div className="card-body">               → Title
                        <h5 className="card-title">{title}</h5>      →Description
                        <p className="card-text">{description}</p>
                        <a href="/newsdetail" className="btn btn-primary">Go somewhere</a>
                    </div>
                </div>
            </div>
        )
    }
}
```
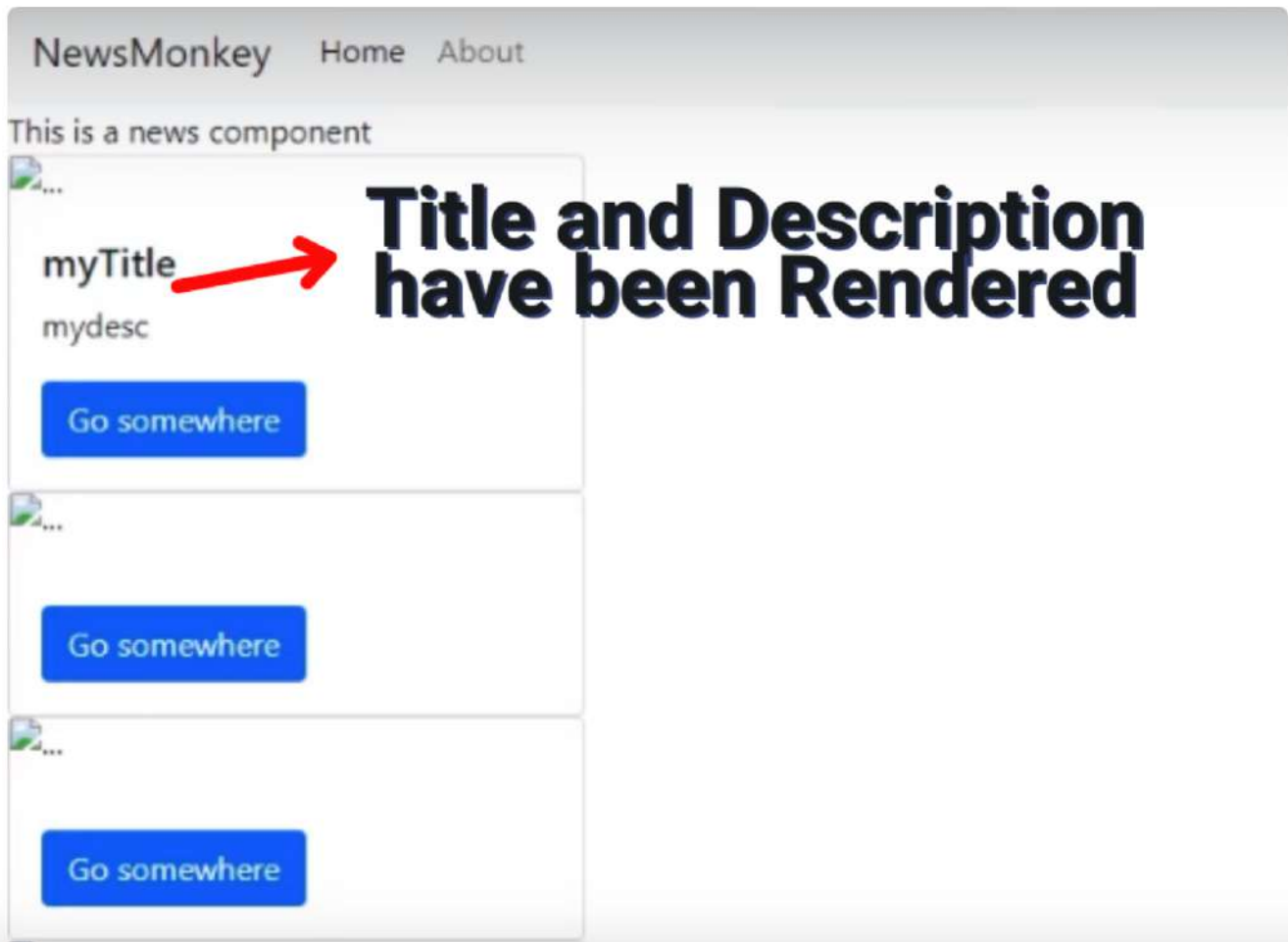
Figure 1.6: Using Props with class-based Component

Explanation: Above, We have used a destructuring method of Javascript. It allows us to extract values from arrays and objects and lets us assign them to other variables. In our case, this.props is an object, and we are extracting the title and description from that object.

Hence, we can easily pass the title and description to every newsItem.

Adding Title and Description

For the demo, We are passing the title as 'myTitle' and the description as 'mydesc' in the NewsItem from News.js.


```
src > components > JS News.js > News > render
 1    import React, { Component } from 'react'
 2    import NewsItem from './NewsItem'────────→Imported News Item in
 3                                                      News.js
 4    export class News extends Component {
 5        render() {
 6            return (                              Description as mydesc
 7                <div>                                        ↑
 8                    This is a news component
 9                    <NewsItem title="myTitle" description="mydesc"/>
10                    <NewsItem/>
11                    <NewsItem/>         ↓
12                    <NewsItem/>  Title as  myTitle
13                    <NewsItem/>
14                    <NewsItem/>
15                </div>
16            )
17        }
18    }
```

Figure 1.7: Passing Title and Description

Result: We have successfully added the six NewsItems Components and have passed the Title and Description to one of our NewsItem Components.

Enhancing NewsMonkey

Our application isn't looking that amazing, so let's add some Styles and make it Outstanding. In order to do that, we would add all these news items in the container and can add our desired CSS to them. Here, We are providing a grid layout to our cards.

```
src > components > JS News.js > ⓣ News > ⓥ render
  4    export class News extends Component {
  5        render() {
  6            return (
  7                <div className="container my-3">          Heading of our
  8                    <h2>NewsMonkey - Top Headlines</h2>        Application
  9                    <div className="row">    ──────→ Aligning the cards in a Row
 10                        <div className="col-md-4">
 11                            <NewsItem title="myTitle" description="mydesc"/>
 12                        </div>
 13                        <div className="col-md-4">
 14                            <NewsItem title="myTitle" description="mydesc"/>
 15                        </div>
 16                        <div className="col-md-4">
 17                            <NewsItem title="myTitle" description="mydesc"/>
 18                        </div>
 19
 20                    </div>
 21                </div>
 22            )
 23        }
 24    }
```

Result: We have successfully added a heading and have aligned our three cards in one row. Now our application is looking adequate. Here's how it looks:
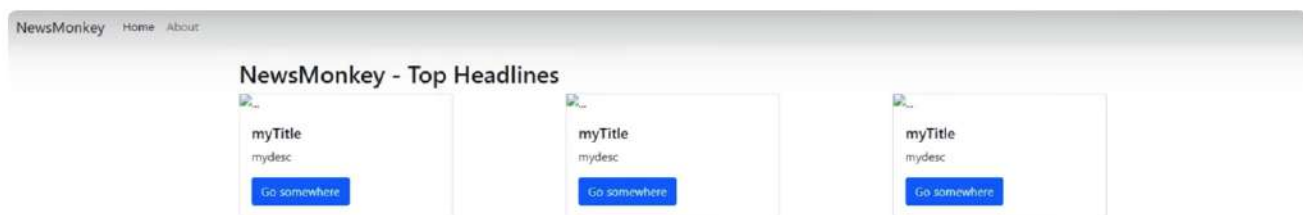

Figure 1.10: Our Application

Adding Sample Images to card

In the sample response code of news API, we are provided with a Sample Image URL. We can use this URL in the 'img src' tag of the NewsItems Card.

Figure 1.11: Image Url

In order to use those images in the cards, simply copy the URL and paste it inside the 'img src' tag of the NewsItems.

Result: this is how our News Cards looks like:

NewsMonkey   Home   About

NewsMonkey - Top Headlines

myTitle
mydesc
Go somewhere

myTitle
mydesc
Go somewhere

myTitle
mydesc
Go somewhere

We have added these images just for the demo. Later on, we will be passing this image Url as a Prop.