Adding time, author and news source to News React App | Complete React Course in Hindi #32

In the last video, we have set up React Router and have fetched News in the application according to their categories. In this tutorial, we will be adding the Date and Time, Author, News Source, and many other fields of the sample response in the News Monkey Application. So without further ado let's begin:

Adding Published Date and Time of the News

In the sample "output.json", we have been provided with the PublishedAt field, which we will be adding to our NewsItem. We are adding the Date and Time field in the News Item Card as:

```
<p className="card-text"><small class="text-muted">By {author} on {date}</small></p>
```

We would be passing values in the author and date variable. With the help of the destructuring method of javascript, we would be getting the author and date from "this.props" as shown below:

```
let {title, description, imageUrl, newsUrl, author, date} = this.props;
```

In News.js:

Now, we had to pass the "Author" and "Date" from the "News.js" to the NewsItem component. Then only, with the help of destructuring, we would be getting the date and Author information from the props. Here's how we are going to do it:

```
render() {
    return (
        <div className="container my-3">
            <h1 className="text-center" style={{margin: '35px 0px'}}>NewsMonkey - Top Headlines</h1>
            {this.state.loading && <Spinner/>}
            <div className="row">
            {!this.state.loading && this.state.articles.map((element)=>{
                return <div className="col-md-4" key={element.url}>
                    <NewsItem title={element.title?element.title:""} description={element.description?element.description:""}
                        imageUrl={element.urlToImage} newsUrl={element.url} author={element.author} date={element.publishedAt}/>
                </div>
            })}
            </div>
    </div>
```

NewsItems ⟵

Pass the 'published at' variable of sample response to the date props

Passing the value to author props

Figure 1.1: Passing the values from News.js

Result: Hence, the published date and author of the article are shown in the NewsItem component.

Figure 1.2: Adding Author and Date to the NewsItems

Author Field Null Issue

We have noticed that for some of the NewsItems the author field isn't being displayed in the NewsItem component. This issue occurs as the Author field is null for that NewsItem. To fix this issue we would add a Javascript logic, such that whenever the author field is null then 'Unknown' is displayed in the author field of NewsItems.

```
<p className="card-text"><small class="text-muted">By {!author?"Unknown": author} on {date}</
```

Result: Hence, whenever the author will be null for any NewsItem then 'unknown' is displayed in the author field.

Formatting Date and Time

Now, we would like to change the format of date and time from the ISO time format to the GMT Date time format.

ISO time format: yyyy-MM-dd'T'HH:mm:ss

GMT time format: Fri, 27 Aug 2021 07:00:00 GMT

We can simply do so by creating a new Date object and then simply convert it into the GMT string as shown below:

```
<p className="card-text"><small class="text-muted">By {!author?"Unknown": author} on {new Dat
```

Result: Thus, We have successfully formatted the Date and Time and have also fixed the 'null field of Author' issue in the application.

NewsMonkey - Top Headlines

Dengue fever: Steps to prevent dengue at home - India Today

It is a viral infection caused by the bite of an infected Aedes mosquito. The dengue virus can infect anyone within any age range.

By Unknown on Fri. 27 Aug 2021 07:30:45 GMT

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'Unknown' is shown for the null value of the Author field.

The right way to manage your cholesterol level, as per an expert - Times of India

The rising concern has also given way to several misconceptions related to it like how it is caused, how to manage it and what to eat and what to avoid.

By Ravina Kumari on Fri. 27 Aug 2021 07:00:00 GMT

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GMT Date and Time Format

After Covid-19, mRNA Vaccines Aim To Cure HIV With Historic Human Trials - India Times

American pharma giant Moderna shook the world last year by announcing the first ever mRNA COVID-19 vaccines that have saved innumerable lives since the pandemic began. Now, Moderna is beginning human trials for its two new mRNA-based HIV vaccines in September...

By Bharat Sharma on Fri. 27 Aug 2021 06:45:48 GMT

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Figure 1.3: Formatting Date and Time

Adding Source Badge to NewsItems

We are using the badges from the bootstrap to embed in the News Monkey Application. Here is the code of our desired badge which we are adding to the card class of the NewsItem component. We have edited the badge by adding the "zIndex" and have also provided the proper alignment with respect to other NewsItems.

```
<h5 className="card-title">{title} <span className="position-absolute top-0 translate-middle
```

As a result, the above badge will be embedded in the top right corner of every NewsItem. Now, remember to get the "source" from "this.props" with the destructuring method of Javascript. Moreover, we would be passing the Source information of the respective News in the badge as shown below:

```
<h5 className="card-title">{title} <span className="position-absolute top-0 start-100 transla
```

Now, we can simply pass the source in the badge from the News.js as:

```
source={element.source.name}/>
```

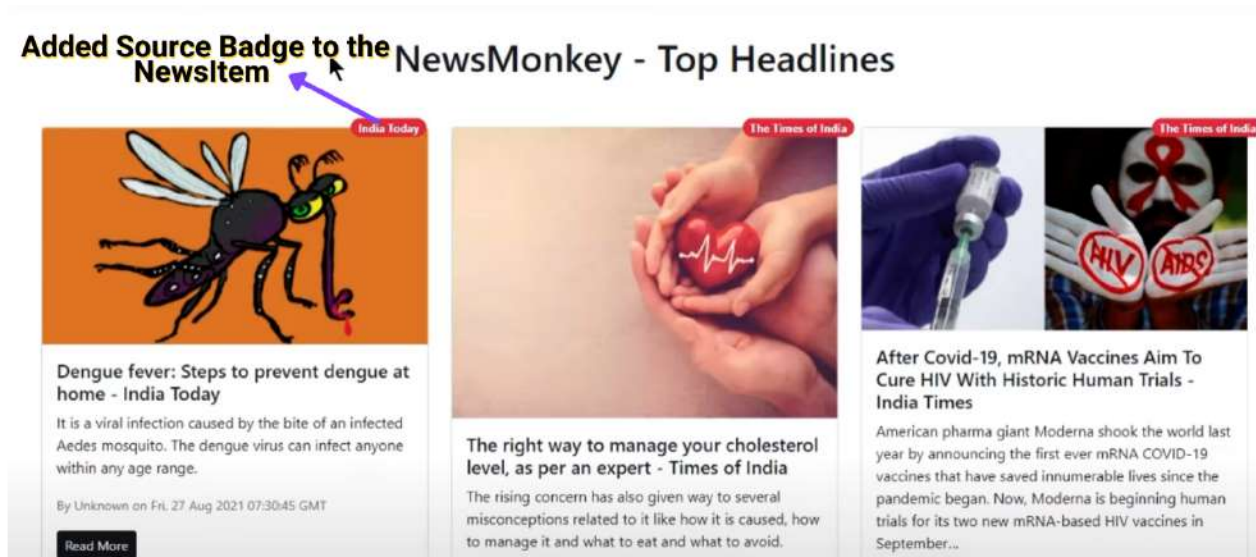**Result:** Hence, we have **successfully** added a source badge to the NewsItems.

Figure 1.4: Added the Source Badge to the NewsItems