

Concepts in Focus

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1. Third-Party Package `react-chrono`

NPM contains a **react-chrono**, a third-party package to display the timeline in your application.

It provides a React component

`Chrono` to build a timeline that displays events chronologically.

Installation Command:

```
1 npm install react-chrono
```

1.1 Advantages

- Can render the timelines in three different modes (horizontal, vertical, and tree).

- Can autoplay the timeline with slideshow mode.
- Can navigate the timeline via keyboard.

2. Chrono Props

We can provide different props to the ReactJS **Chrono** component. Below are some of the most commonly used props.

Prop	Description	Default Value
mode	Sets the mode of the component	'HORIZONTAL' (value can be 'HORIZONTAL', 'VERTICAL' or 'VERTICAL_ALTERNATING')
items	Collection of Timeline Item Model	[]
theme	Customises the colors	No default value

2.1 mode

Example:

```
1 <Chrono mode="VERTICAL" />
```

JSX

2.2 items

The

`items` prop is used to build the timeline. It is a collection of the **Timeline Item Model**.

Timeline Item Model is an object consist of the given properties:

Name	Description	Type
title	title of the timeline item	String

Name	Description	Type
cardTitle	title of the timeline card	String
cardSubtitle	text of the timeline card	String
cardDetailedText	detailed text of the timeline card	String or String[]
media	media object to set image or video	Object

Example:

CSS

```
1 .chrono-container {  
2   width: 500px;  
3   height: 400px;  
4 }
```

```
1 import {Chrono} from 'react-chrono'  
2  
3 const items = [  
4   {  
5     title: 'May 1940',  
6     cardTitle: 'Dunkirk',  
7     cardSubtitle: 'Men of the British Expeditionary Force.',  
8     cardDetailedText:  
9       'On 10 May 1940, Hitler began his long-awaited offensive in the west by invading neutral Holland and attacking northern F  
10    },  
11  ]  
12  
13 const App = () => (  
14   <div className="chrono-container">  
15     <Chrono items={items} />  
16   </div>
```

```
17 )  
18  
19 export default App
```

Collapse ^

Output:

A single timeline item is created with the values of the **Timeline Item Model** in the

items prop.



May 1940



Dunkirk

Men of the British Expeditionary Force.

On 10 May 1940, Hitler began his long-awaited offensive in the west by invading neutral Holland and attacking

read more 

If any property misses in the **Timeline Item Model**, the respective value won't be displayed in the timeline item.

Note

The `Chrono` Component should be wrapped in a container that has a width and height.

2.3 theme

The colors can be customized with the

`theme` prop.

Example:

```
1 <Chrono
2   theme={{
3     primary: "red",
4     secondary: "blue",
5     cardBgColor: "yellow",
6     cardForeColor: "violet",
7     titleColor: "red",
8   }}
9 />
```

JSX

3. Rendering Custom Content

The custom content can be inserted by just passing the elements between the

Chrono tags.

Example:

The below example will create two timeline items.

CSS

```
1 .chrono-container {  
2   width: 400px;  
3   height: 600px;  
4 }  
5  
6 .image {  
7   width: 200px;  
8   height: 200px;  
9 }
```

```
1 import {Chrono} from 'react-chrono'  
2  
3 const App = () => (  
4   <div className="chrono-container">  
5     <Chrono mode="VERTICAL">  
6       <div>  
7           
12       </div>  
13       <div>  
14         <h1>Mumbai Indians</h1>  
15         <p>IPL Team winner for the year 2019 is Mumbai Indians.</p>  
16       </div>  
17     </Chrono>  
18   </div>
```

```
19  )  
20  
21  export default App
```

Collapse ^

Output:

Each HTML

`div` element is automatically converted into a timeline item and inserted into the timeline card.



Mumbai Indians

IPL Team winner for the year 2019 is Mumbai Indians.

The `items` prop is **optional** and custom rendering is supported on all three modes.

Example:

The below example will set the title for the custom contents.

CSS

```
1 .chrono-container {  
2   width: 400px;  
3   height: 600px;  
4 }  
5  
6 .image {  
7   width: 200px;  
8   height: 200px;  
9 }
```

```
1 import {Chrono} from 'react-chrono'  
2  
3 const items = [{title: '2018'}, {title: '2019'}]  
4  
5 const App = () => (  
6   <div className="chrono-container">  
7     <Chrono mode="VERTICAL" items={items}>  
8         
13       <div>  
14         <h1>Mumbai Indians</h1>  
15         <p>IPL Team winner for the year 2019 is Mumbai Indians.</p>  
16       </div>  
17     </Chrono>  
18   </div>  
19 )
```

```
16     </div>
17   </Chrono>
18 </div>
19 )
20
21 export default App
```

Collapse ^

Output:

2018



2019

Mumbai Indians

IPL Team winner for the year 2019 is
Mumbai Indians.

4. Reference

To know more about the

`react-chrono` , you can refer to [this](#).

✓ MARKED AS COMPLETE

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