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# React Tooltips & Popovers with Bootstrap 5 Examples

Last updated on: April 10, 2022 by Digamber

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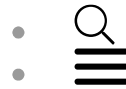
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In this React 16 tutorial, we are going to ascertain how to build and add Tooltips and Popovers in React.js application using the Bootstrap CSS framework.

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example.

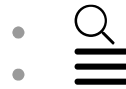
Overlays are the fundamental set of components to craft the eye-catching overlays, tooltips and popovers; they depend on third-party plugins such as Popper.js.

A tooltip component is a quintessential way of replacing anchor tag title attribute.

Generically, the Popover is almost similar to tooltips; it is a simple pop-up box that manifests when a user clicks on an element. The only difference is that the Popover contains much more content than a tooltip.

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Before we go any further, I want to tell you something straight install the new React application. If already installed, then skip it.

```
npx create-react-app react-tooltip-popover-example
```

Before i jump into the details, please head over to the project root.

```
cd react-tooltip-popover-example
```

Start the application:

```
npm start
```

## Install Bootstrap Library in React

Bear with me, i am going to show you how to install the Bootstrap and React Bootstrap plugins in React project. Run the following command to simultaneously install react, bootstrap and Reactstrap packages

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```
npm install react-bootstrap bootstrap
```

It doesn't stop here, let's jump onto next step.

## Incorporate Bootstrap Tooltips in React

Here is the real kicker, now we need to add Bootstrap tooltip in React js application. So, import the essential services which inject the major services to spruce up Bootstrap Tooltips in React Js project.

Head over to **src/App.js** file and import the following services.

```
import { OverlayTrigger, Overlay, Tooltip, Button } from 'react-bootstrap';  
import 'bootstrap/dist/css/bootstrap.min.css';
```

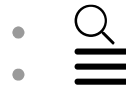
The **react-bootstrap** library automatically installs **popper.js**, and this library drives the overlays, which are the primary sources of Tooltips and Popovers mechanism, even responsible for the positioning of the elements.

The bootstrap styling can be applied using the **bootstrap.min.css**, and we have already imported it in react template.

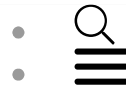
## Display Tooltip in React on Click Event

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```
// App.js
import React, { useRef, useState } from 'react';
import './App.css';
import { Overlay, Tooltip, Button } from 'react-bootstrap';
import 'bootstrap/dist/css/bootstrap.min.css';
function App() {
  const [show, setShow] = useState(false);
  const target = useRef(null);
  return (
    <div>
      <Button variant="danger" ref={target} onClick={() => setShow(!show)}>
        Click on me
      </Button>
      <Overlay target={target.current} show={show} placement="bottom">
        {(props) => (
          <Tooltip {...props}>
            The quick brown fox jumps over the lazy dog!
          </Tooltip>
        )}
      </Overlay>
    </div >
  );
}
export default App;
```



## Bootstrap Popover in React on Hover

It is effortless and flexible to call Bootstrap Popovers in React, just import the Popover service and call the Popover through OverlayTrigger.

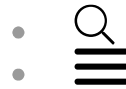
We will see how to create a simple Popover Tooltip on hover using Bootstrap, so add the following code in **src/App.js** file.

Hopefully you have understood me so far.

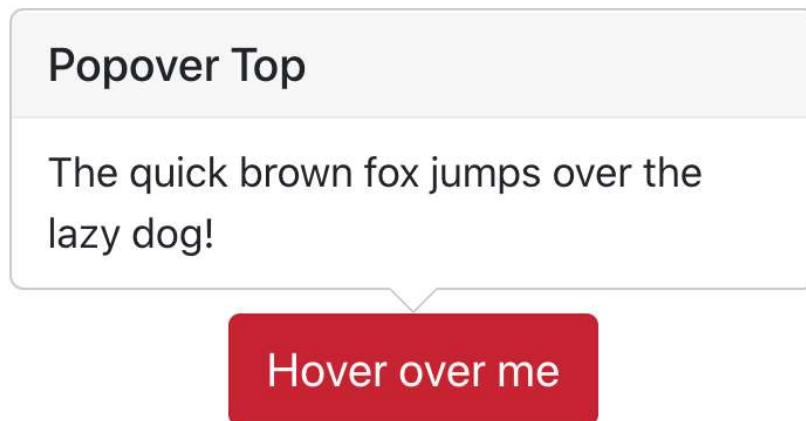
```
// App.js
import React from 'react';
import './App.css';
import { OverlayTrigger, Popover, Button } from 'react-bootstrap';
import 'bootstrap/dist/css/bootstrap.min.css';
function App() {
  const popover = (
    <Popover>
      <Popover.Title as="h3">Popover Top</Popover.Title>
      <Popover.Content>
        The quick brown fox jumps over the lazy dog!
      </Popover.Content>
    </Popover>
  );
  return (
    <div>
      <OverlayTrigger
        trigger="hover"
        placement="top"
        popper={popover}>
        <Button>Click on me</Button>
      </OverlayTrigger>
    </div>
  );
}
```

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```
    trigger="hover"  
    placement="top"  
    overlay={popover}  
  >  
    <Button variant="danger">Hover over me</Button>  
  </OverlayTrigger>  
);  
}  
export default App;
```



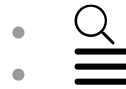
## The Tooltip Position Paradigm

Placement of Tooltip can be set in four dimensions bypassing the **Bottom**, **Top**, **Left** and **Right** properties in `OverlayTrigger` directive.

```
// App.js  
import React, { useRef, useState } from 'react';  
import './App.css';  
import { OverlayTrigger, Overlay, Tooltip, Button } from 'react-bootstrap';  
import 'bootstrap/dist/css/bootstrap.min.css';  
function App() {
```

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```

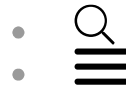
        <Tooltip>
          Tooltip Bottom
        </Tooltip>
      }
    >
    <Button variant="danger">Bottom</Button>
  </OverlayTrigger>
  <OverlayTrigger
    placement={'top'}
    overlay={
      <Tooltip>
        Tooltip Top
      </Tooltip>
    }
  >
    <Button variant="danger">Top</Button>
  </OverlayTrigger>
  <OverlayTrigger
    placement={'left'}
    overlay={
      <Tooltip>
        Tooltip Left
      </Tooltip>
    }
  >
    <Button variant="danger">Left</Button>
  </OverlayTrigger>
  <OverlayTrigger
    placement={'right'}
    overlay={
      <Tooltip>
        Tooltip Right
      </Tooltip>
    }
  >
    <Button variant="danger">Right</Button>
  </OverlayTrigger>
</div>
);
}
export default App;

```

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Eventually, we have seen all the methods through which we can display Tooltip and Popover in every dimension in React application using the React Bootstrap third-party plugin.

To impetus the development process, we must use the third party plugin and thats what we did, we have implied the exorbitantly easy methods in this tutorial.

I hope you will like this tutorial and share it with others. To play more with Tooltips and Popovers, please check the documentation [here](#).



## Digamber

I am Digamber, a full-stack developer and fitness aficionado. I created this site to bestow my coding experience with newbie programmers. I love to write on JavaScript, ECMAScript, React, Angular, Vue, Laravel.

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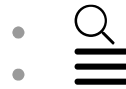
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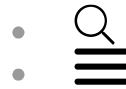
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