

Jason Hatfield

Activity 5

CST-239

5/13/2023

Professor Bobby Estey

## Part 1

# Music I like



### Abbey Road

Abbey Road is the eleventh studio album by English rock band the Beatles, released on 26 September 1969 by Apple Records. The recording sessions for the album were the last in which all four Beatles participated.

OK



### Master of Puppets

Master of Puppets is the third studio album by American heavy metal band Metallica, released on March 3, 1986, by Elektra Records. It was the band's last album to feature bassist Cliff Burton, who died in a bus accident during the album's promotional tour.

Listen Now



### Appetite for Destruction

Appetite for Destruction is the debut studio album by American hard rock band Guns N' Roses, released on July 21, 1987, by Geffen Records. The album features a raw and gritty sound, combining elements of hard rock, punk, and heavy metal.

Play Album

```

import React from "react"; 6.9k (gzipped: 2.7k)
import "bootstrap/dist/css/bootstrap.min.css";
import Card from "../Card";

const App = () => {
  return (
    <div>
      <h1>Music I like</h1>
      <Card
        albumTitle="Abbey Road"
        albumDescription="Abbey Road is the eleventh studio album by English rock band the Beatles, released on 26 September 1969 by Apple Records. The recording sessions for the album were the last in which all four Beatles participated."
        imageURL="https://upload.wikimedia.org/wikipedia/en/4/42/Beatles_-_Abbey_Road.jpg"
        buttonText="OK"
      />
      You, 18 minutes ago • Stopping Point 1
      <Card
        albumTitle="Master of Puppets"
        albumDescription="Master of Puppets is the third studio album by American heavy metal band Metallica, released on March 3, 1986, by Elektra Records. It was the band's last album to feature bassist Cliff Burton, who died in a bus accident during the album's promotional tour."
        imageURL="https://external-content.duckduckgo.com/iu/?u=http%3A%2F%2Fimg.europapress.es%2Ffotoweb%2Ffotonoticia_20160305095544_1280.jpg&f=1&nofb=1&ipt=f6346238eb168e62b9ebc6bfff4d0bc096545b81f8a58b1364ee1c561949e70fb&ipt=images"
        buttonText="Listen Now"
      />
      <Card
        albumTitle="Appetite for Destruction"
        albumDescription="Appetite for Destruction is the debut studio album by American hard rock band Guns N' Roses, released on July 21, 1987, by Geffen Records. The album features a raw and gritty sound, combining elements of hard rock, punk, and heavy metal."
        imageURL="https://external-content.duckduckgo.com/iu/?u=https%3A%2F%2Fimages-na.ssl-images-amazon.com%2Fimages%2F%2F71H9ZR6EGFL._AC_SL1400_.jpg&f=1&nofb=1&ipt=7486af2f0a034617bcecdd1829ae0383f24c2976fbd9ef46fd0a1bcb918e50e&ipt=images"
        buttonText="Play Album"
      />
    </div>
  );
};

export default App;

```

Figure 1 App.js

```

music > src > JS index.js
1  import React from "react"; 6.9k (gzipped: 2.7k)
2  import ReactDOM from "react-dom"; 133.5k (gzipped: 43.1k)
3  import "bootstrap/dist/css/bootstrap.min.css";
4  import App from "../App";
5
6  ReactDOM.render(<App />, document.getElementById("root"));
7

```

Figure 2 index.js

```

You, 19 minutes ago | 1 author (You)
1  import React from 'react'; 6.9k (gzipped: 2.7k)
2
3  const Card = (props) => {
4    return (
5      <div className='card' style={{ width: '18rem' }}>
6        <img src={props.imageUrl} alt="title" />
7        <div className='card-body'>
8          <h5 className='card-title'>{props.albumTitle}</h5>
9          <p className='card-text'>{props.albumDescription}</p>
10         <button href="#" className='btn btn-primary'>{props.buttonText}</button>
11       </div>
12     </div>
13   );
14 };
15
16 export default Card;
17

```

Figure 3 Card.js

```

You, 19 minutes ago | 1 author (You)
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7      <link
8        rel="stylesheet"
9        href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
10      />
11      <title>Document</title>
12    </head>
13    <body></body>
14  </html>
15

```

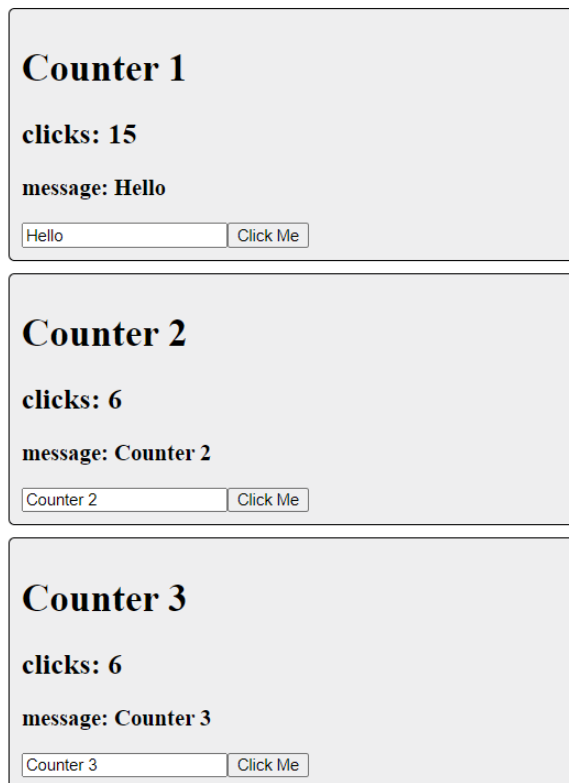
Figure 4 index.html

## Summary

In this lesson, I was introduced to the concept of creating a React Music App by utilizing custom components, properties, and the Bootstrap CSS framework. I explored how to set up the project structure, implement components, and pass properties (or props) to components for better reusability and flexibility. I styled my app and created a visually appealing interface by leveraging Bootstrap CSS's power. New terminologies, such as custom components, props, and Bootstrap, were introduced and demonstrated in the context of developing a simple yet effective music application. This foundational knowledge will help me to create more complex and feature rich React applications in the future.

## Counter App

This is the first page of the app

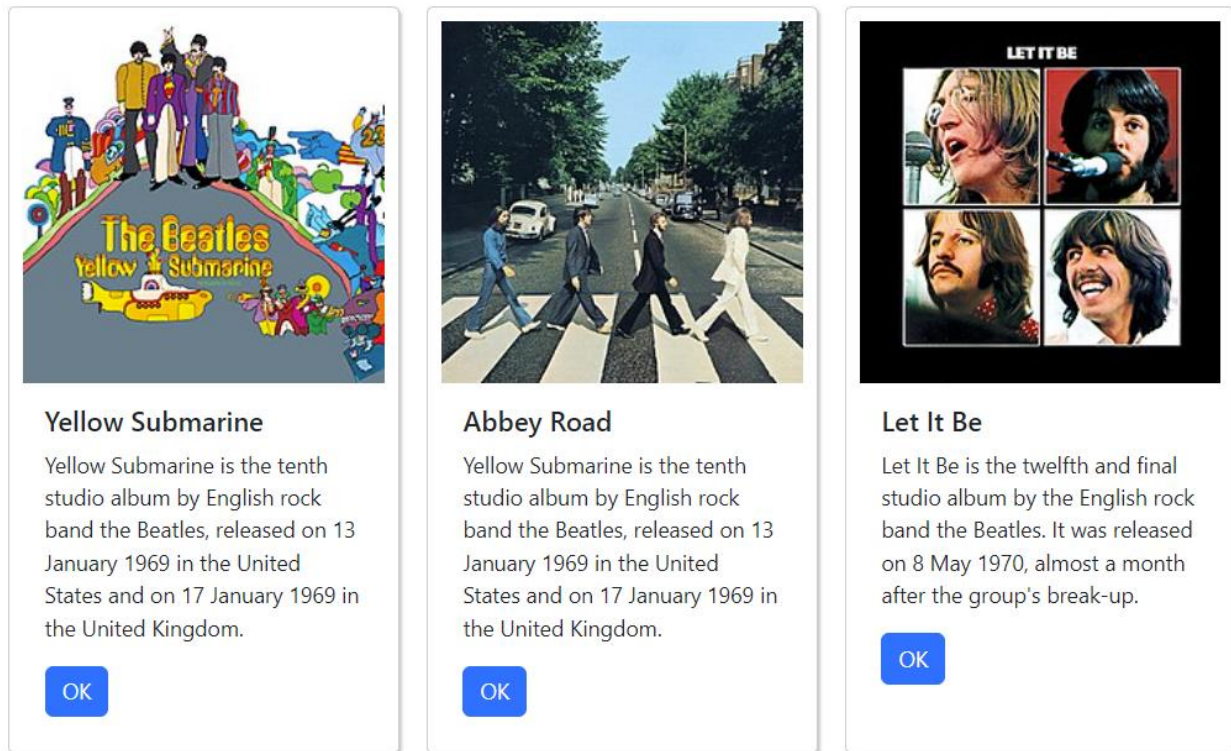


The screenshot displays a web application with three stacked counter components. Each component has a title, click count, message, an input field, and a 'Click Me' button.

Counter	clicks	message	input value
Counter 1	15	Hello	Hello
Counter 2	6	Counter 2	Counter 2
Counter 3	6	Counter 3	Counter 3

*Figure 5 Counter Program*

## Part 2



*Figure 6 Executed Program*

## Summary

This lesson taught me how to create a React Music App by utilizing custom components, properties (props), and the Bootstrap CSS framework. I set up the project structure and implemented components such as `App` and `Card.` I passed props to components to enhance reusability and flexibility. By incorporating the provided code and addressing issues related to React 18, such as using `createRoot` instead of `ReactDOM.render,` I ensured compatibility with the latest React version. Styling the app was made easy by leveraging the power of Bootstrap CSS. This lesson expanded my knowledge of custom components, props, and Bootstrap, enabling me to build visually appealing and feature-rich React applications in the future.