

Web Engineering Course

ASSIGNMENT 6: REACT

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REACT Counter

App.js Code:

```
import React, { useState } from "react";
import "./App.css";

function getFavicon() {
  return document.getElementById("favicon");
}

const App = () => {
  const [count, setcount] = useState(0)
  const [count2, setcount2] = useState(0)
  const favicon = getFavicon();

  const Increment = () => {

    if(count > 8)
    {
      favicon.href = "red.ico";
    }
    else{
      setcount(count + 1)
      favicon.href = "gr.ico";
    }
  }

  const Decrement = () => {
    if(count < 1)
    {
      favicon.href = "red.ico";
    }
    else
    {
      setcount(count - 1)
      favicon.href = "gr.ico";
    }
  }
}
```

```
const Reset = () => {
  setcount(0);
  favicon.href = "favicon.ico";

}

return (
  <div style={{
    display: 'flex',
    flexDirection: 'column',
    alignItems: 'center',
    justifyContent: 'center',
    fontSize: '300%',
    position: 'absolute',
    width: '100%',
    height: '100%',
    top: '-15%',
  }}>
    Count Changer For FavIcon
    <div style={{
      fontSize: '120%',
      position: 'relative',
      top: '10vh',
    }}>
      {count2}{count}
    </div>
    <div className="buttons">
      <button style={{
        fontSize: '60%',
        position: 'relative',
        top: '20vh',
        marginRight: '5px',
        borderRadius: '8%',
        backgroundColor: 'green',
        padding: '15px 32px',
        color: 'white',
      }}
        onClick={Decrement}></button>
      <button style={{
        fontSize: '60%',
        position: 'relative',
        top: '20vh',
        marginLeft: '5px',
        backgroundColor: 'gray',
        borderRadius: '8%',
```

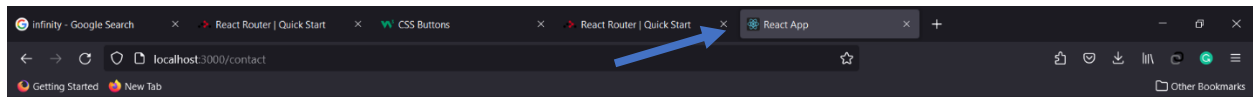
```
        color: 'white',
      }}
      onClick={Reset}>Reset</button>
      <button style={{
        fontSize: '60%',
        position: 'relative',
        top: '20vh',
        marginLeft: '5px',
        borderRadius: '8%',
        padding: '15px 32px',
        backgroundColor: 'red',
        color: 'white',
      }}
      onClick={Increment}>+</button>
    </div>
  </div>
)
}

export default App
```

Downloaded gr and red ico files for showing States

▼ public	●	19
★ favicon.ico		20
★ gr.ico	U	21
<> index.html	M	22
🖼 logo192.png		23
🖼 logo512.png		24
{ } manifest.json		25
★ red.ico	U	26
≡ robots.txt		27
> src	●	28

Screenshot of Normal State:

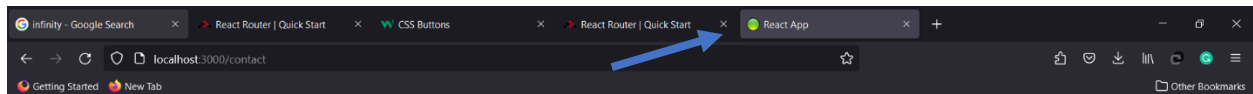


Counter Changer For FavIcon

00



Screenshot of Success State:

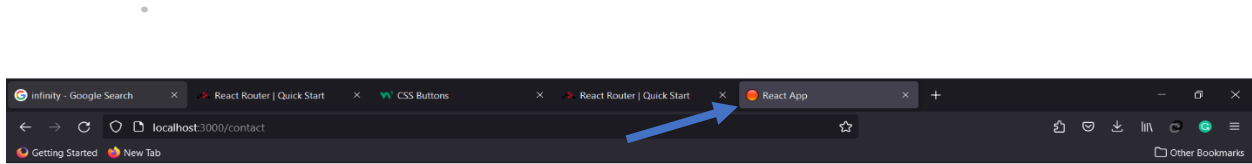


Counter Changer For FavIcon

01



Screenshot of Failed State:

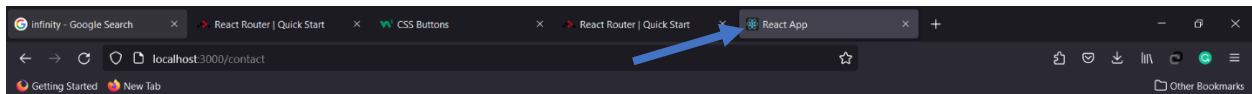


Counter Changer For FavIcon

09



Screenshot of Reset State:



Counter Changer For FavIcon

00

