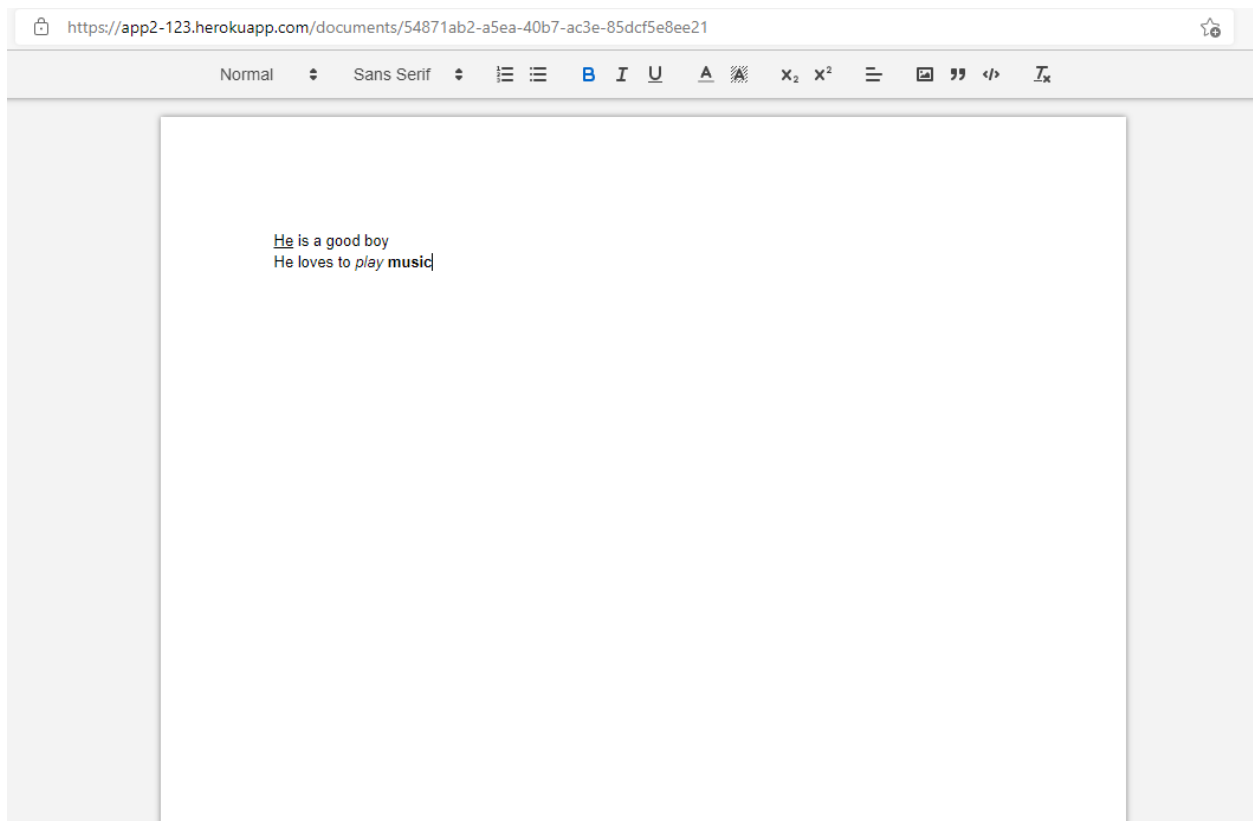


Building a text editor using react, quill;



Output 1

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Pseudo Code:

```
export default function TextEditor() {  
  const { id: documentId } = useParams()  
  const [socket, setSocket] = useState()  
  const [quill, setQuill] = useState()  
  
  useEffect(() => {
```

```
const s = io("http://localhost:3001")
```

```
setSocket(s)
```

```
return () => {
```

```
  s.disconnect()
```

```
}
```

```
}, [])
```

```
useEffect(() => {
```

```
  if (socket == null || quill == null) return
```

```
  socket.once("load-document", document => {
```

```
    quill.setContents(document)
```

```
    quill.enable()
```

```
  })
```

```
  socket.emit("get-document", documentId)
```

```
}, [socket, quill, documentId])
```

```
useEffect(() => {
```

```
  if (socket == null || quill == null) return
```

```
  const interval = setInterval(() => {
```

```
    socket.emit("save-document", quill.getContents())
```

```
  }, SAVE_INTERVAL_MS)
```

```
  return () => {
```

```
    clearInterval(interval)
```

```
  }
```

```
}, [socket, quill])
```

```
useEffect(() => {  
  if (socket == null || quill == null) return
```

```
  const handler = delta => {  
    quill.updateContents(delta)  
  }  
  socket.on("receive-changes", handler)
```

```
  return () => {  
    socket.off("receive-changes", handler)  
  }  
}, [socket, quill])
```

```
useEffect(() => {  
  if (socket == null || quill == null) return
```

```
  const handler = (delta, oldDelta, source) => {  
    if (source !== "user") return  
    socket.emit("send-changes", delta)  
  }  
  quill.on("text-change", handler)
```

```
  return () => {  
    quill.off("text-change", handler)  
  }  
}, [socket, quill])
```

```
const wrapperRef = useCallback(wrapper => {  
  if (wrapper == null) return
```

```
  wrapper.innerHTML = ""
```

```
const editor = document.createElement("div")

wrapper.append(editor)

const q = new Quill(editor, {

  theme: "snow",

  modules: { toolbar: TOOLBAR_OPTIONS },

})

setQuill(q)

}, [])

return <div className="container" ref={wrapperRef}></div>

}
```

CI/CD Pipeline:

All CI/CD Pipelines have been followed:

- **Build** - On local machine
- **Test** - On local machine using react
- **Release** -On heroku
- **Deploy** - On heroku
- **Validation and compliance** – On github