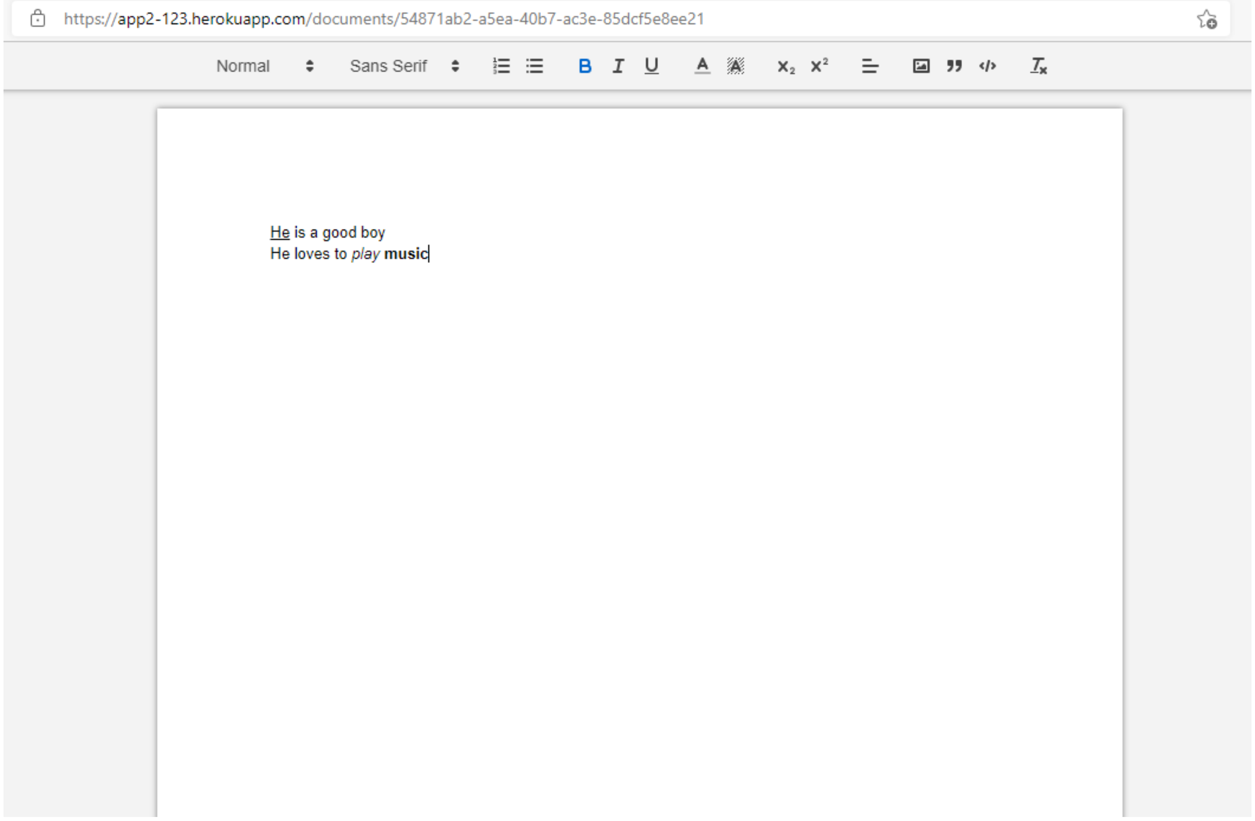
Building a text editor using react, quill;


https://app2-123.herokuapp.com/documents/54871ab2-a5ea-40b7-ac3e-85dcf5e8ee21
Normal
Sans Serif

He is a good boy
He loves to *play* **music**

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>
}
```