Implementing text editor using HTML, CSS, JavaScript

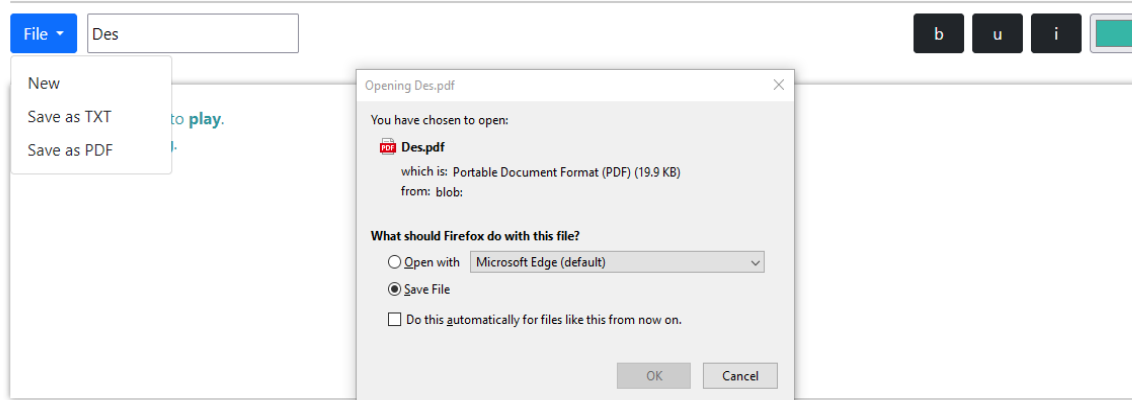

1 Text Editing
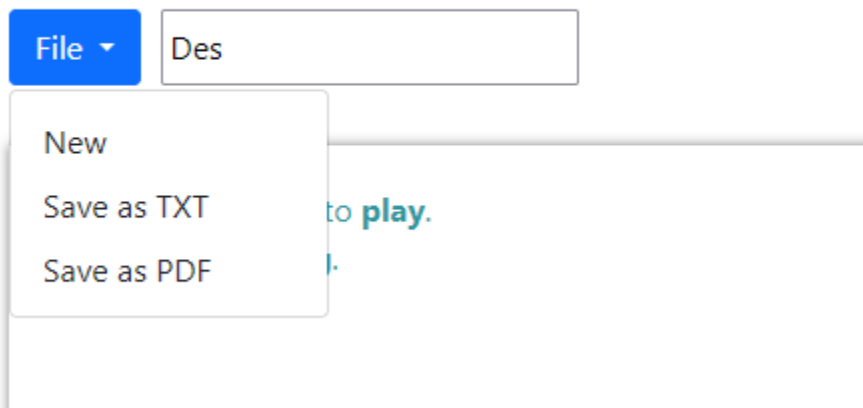
2 File saving options
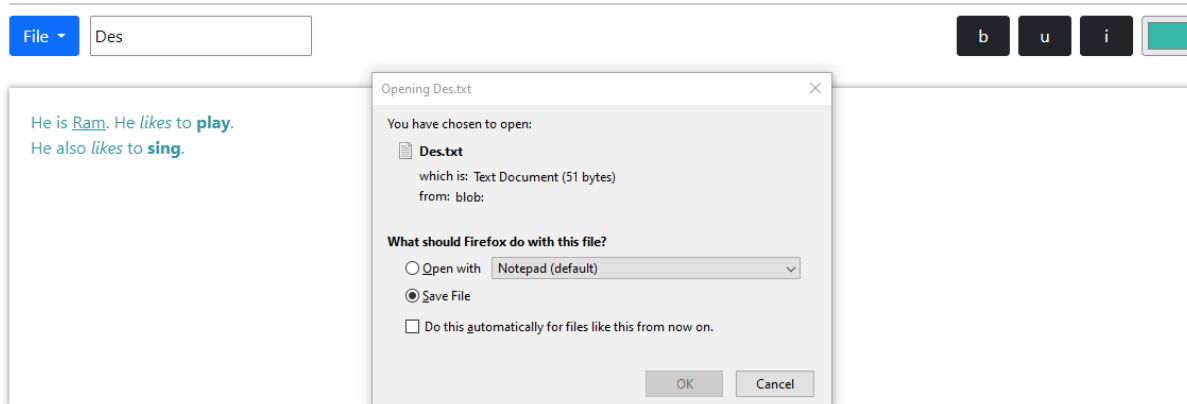
Doc Editor

File ▾ | Des

b | u | i | [color]

New
Save as TXT | to **play**.
Save as PDF | .

Opening Des.pdf ✕

You have chosen to open:

📕 **Des.pdf**
which is: Portable Document Format (PDF) (19.9 KB)
from: blob:

What should Firefox do with this file?

○ Open with Microsoft Edge (default) ▾
◉ Save File

☐ Do this automatically for files like this from now on.

OK   Cancel

3 Saving as pdf

Doc Editor

File ▾ | Des

b | u | i | [color]

He is Ram. He *likes* to **play**.
He also *likes* to **sing**.

Opening Des.txt ✕

You have chosen to open:

📄 **Des.txt**
which is: Text Document (51 bytes)
from: blob:

What should Firefox do with this file?

○ Open with Notepad (default) ▾
◉ Save File

☐ Do this automatically for files like this from now on.

OK   Cancel

4 Saving as txt

Document Editor hosted on https://soumyadeep-karmakar.github.io/New-Repository-5/

Text editor has 4 options:

Choosing text color, italics(i), underline(u), bold(b);

Hosted on Github Repository: https://github.com/Soumyadeep-Karmakar/New-Repository-5

Team Member: Soumyadeep Karmakar

Files:

README.md – Doc Editor (Simple)

htmltopdf.js – For converting html file to pdf file (Code.js)

index.html – Main html file which provides user interface

script.js – Implements functionalities like Bold, italic, underline, text color change, conversion to txt

style.css – For styling of buttons

Pseudo Code:


```
const varname = document.querySelector("#varname-input") //initializing variables


boldBtn.addEventListener("click", () => {

    document.execCommand("bold")

})// for bold


underlineBtn.addEventListener("click", () => {

    document.execCommand("underline")

}) //for underline


italicBtn.addEventListener("click", () => {

    document.execCommand("italic")

}) //for italics


colorBtn.addEventListener("input", () => {

    document.execCommand("forecolor", false, colorBtn.value)

})// for color of text
```

```
newBtn.addEventListener("click", () => {

    content.innerHTML = ""

}) //for creating new file


txtBtn.addEventListener("click", () => {

    const a = document.createElement("a")

    const blob = new Blob([content.innerText])

    const dataUrl = URL.createObjectURL(blob)

    a.href = dataUrl

    a.download = filename.value + ".txt"

    a.click()

}) //for converting to text document


pdfBtn.addEventListener('click', () => {

    html2pdf().from(content).save(filename.value)

})// for converting to pdf
```

CI/CD Pipeline:

All CI/CD Pipelines have been followed:

- **Build** - On local machine
- **Test** - On local machine
- **Release** -On github
- **Deploy** - On github pages
- **Validation and compliance** – On github