INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

ACADEMIC YEAR: 2021-23

NOTES APP

IT Project Report

Submitted By:

NISHA SINHA

Under the supervision:

DHIR SIR

Acknowledgement

On the successful completion of my project ***NOTES APP***, we would liketo express my sincere gratitude to everyone who helped me in the completion of project.

I am sincerely thankful to my project guide ***Dhir sir for*** his interest, guidance and suggestion throughout the course of the project. I feel honoured and privileged to work under him. he shared his vast pool of knowledge with us steer through all difficulties with ease.

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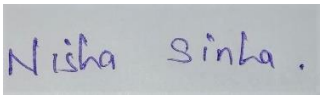
Student Declaration

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

Signature of student



Name of student

Nisha sinha

Roll number

03604092021

INTRODUCTION

This is a simple note app which simply work as “click on the writing area and write over there and then save it.” That will create a notes of whatever you have written and save it to a local storage area.

Goals-

This app is useful to create a note of an important details which a user always wants to remember. Users can create as many notes as they wish .

TECHNOLOGY –

The technology used in this project is :

HTML

HTML provides the *basic structure* of sites, which is enhanced and modified by other technologies like CSS and JavaScript.

HTML is at the core of every web page, regardless the complexity of a site or number of technologies involved. It's an essential skill for any web professional. It's the starting point for anyone learning how to create content for the web. And, luckily for us, it's surprisingly easy to learn.

CSS

CSS is used to control *presentation, formatting, and layout*.

CSS stands for Cascading Style Sheets. This programming language dictates how the HTML elements of a website should actually appear on the frontend of the page.

HTML provides the raw tools needed to structure content on a website. CSS, on the other hand, helps to style this content so it appears to the user the way it was intended to be seen.

These languages are kept separate to ensure websites are built correctly before they're reformatted.

If HTML is the drywall, CSS is the paint.

JS

JavaScript is used to control the *behavior* of different elements.

JavaScript is a more complicated language than HTML or CSS, and it wasn't released in beta form until 1995. Nowadays, JavaScript is supported by all modern web browsers and is used on almost every site on the web for more powerful and complex functionality.

JavaScript is a logic-based programming language that can be used to modify website content and make it behave in different ways in response to a user's actions. Common uses for JavaScript include confirmation boxes, calls-to-action, and adding new identities to existing information.

How the project will work -

1. Click on add note icon which is at the left of the webpage.

2. Write the text where into the space is allotted .

3. Save the text and that will create a note.

4. You can create as many notes as you wish .

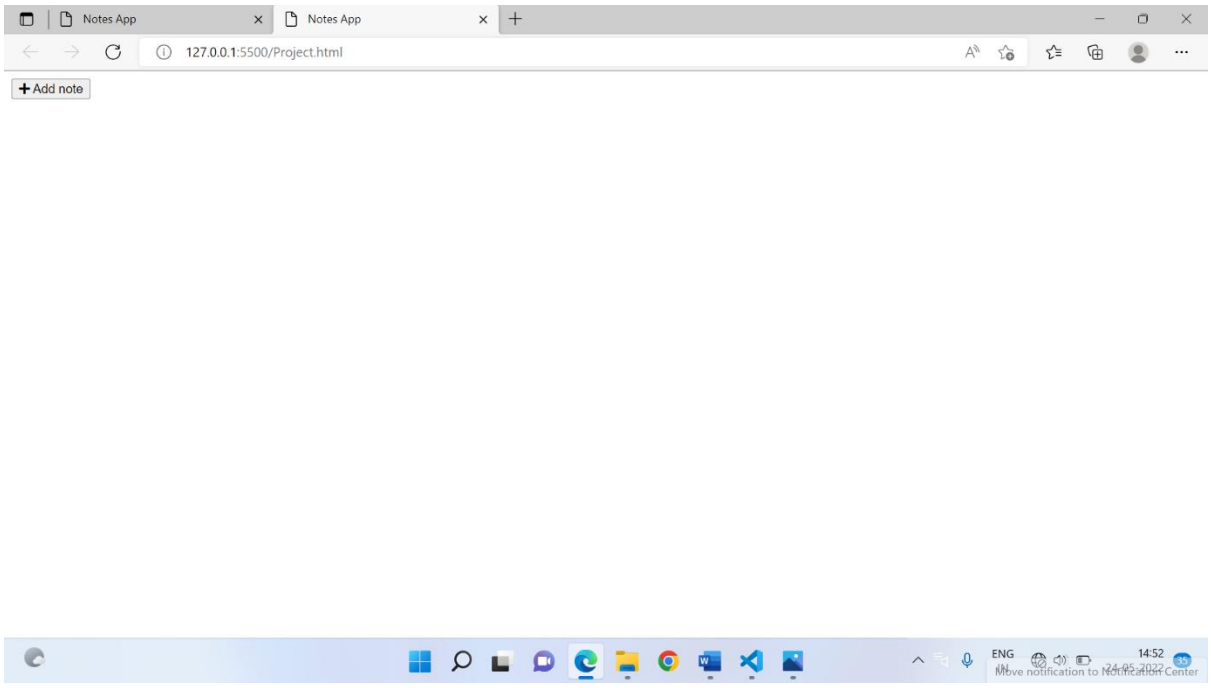
5. The notes will be stored in the local storage area.

HTML CODES:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
```

```
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.14.0/css/all.min.css" integrity="sha512-
1PKOgIY59xJ8Co8+NE6FZ+LOAZKjy+KY8iq0G4B3CyeY
6wYHN3yt9PW0XpSriVlkMXe40PTKnXrLnZ9+fkDaog=="
crossorigin="anonymous" />
    <link rel="stylesheet" href="style.css" />
    <title>Notes App</title>
  </head>
  <body>
    <button class="add" id="add">
      <i class="fas fa-plus"></i> Add note
    </button>

    <script
src="https://cdnjs.cloudflare.com/ajax/libs/marked/1.2.2/mark
ed.min.js"></script>
    <script src="script.js"></script>
  </body>
</html>
```

Without using CSS in HTML codes the outputs look like this as shown below:



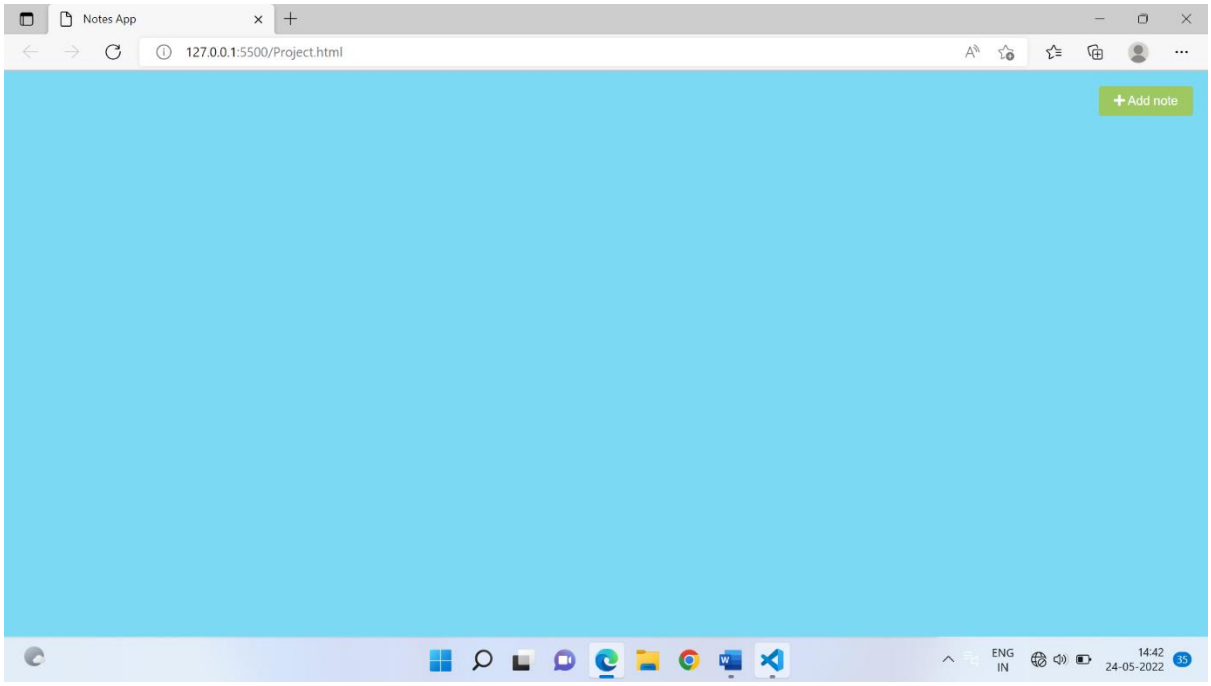
CSS CODES:

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@
200;400&display=swap');

* {
  box-sizing: border-box;
  outline: none;
}

body {
  background-color: #7bdaf3;
  font-family: 'Poppins', sans-serif;
  display: flex;
  flex-wrap: wrap;
  margin: 0;
  padding-top: 3rem;
```

```
}

.add {
  position: fixed;
  top: 1rem;
  right: 1rem;
  background-color: #9ec862;
  color: #fff;
  border: none;
  border-radius: 3px;
  padding: 0.5rem 1rem;
  cursor: pointer;
}

.add:active {
  transform: scale(0.98);
}

.note {
  background-color: #fff;
  box-shadow: 0 0 10px 4px rgba(0, 0, 0, 0.1);
  margin: 30px 20px;
  height: 400px;
  width: 400px;
  overflow-y: scroll;
}

.note .tools {
  background-color: #9ec862;
  display: flex;
  justify-content: flex-end;
  padding: 0.5rem;
}
```

```css
.note .tools button {
  background-color: transparent;
  border: none;
  color: #fff;
  cursor: pointer;
  font-size: 1rem;
  margin-left: 0.5rem;
}

.note textarea {
  outline: none;
  font-family: inherit;
  font-size: 1.2rem;
  border: none;
  height: 400px;
  width: 100%;
  padding: 20px;
}

.main {
  padding: 20px;
}

.hidden {
  display: none;
}
```

After using CSS CODES the output look like this as shown below:

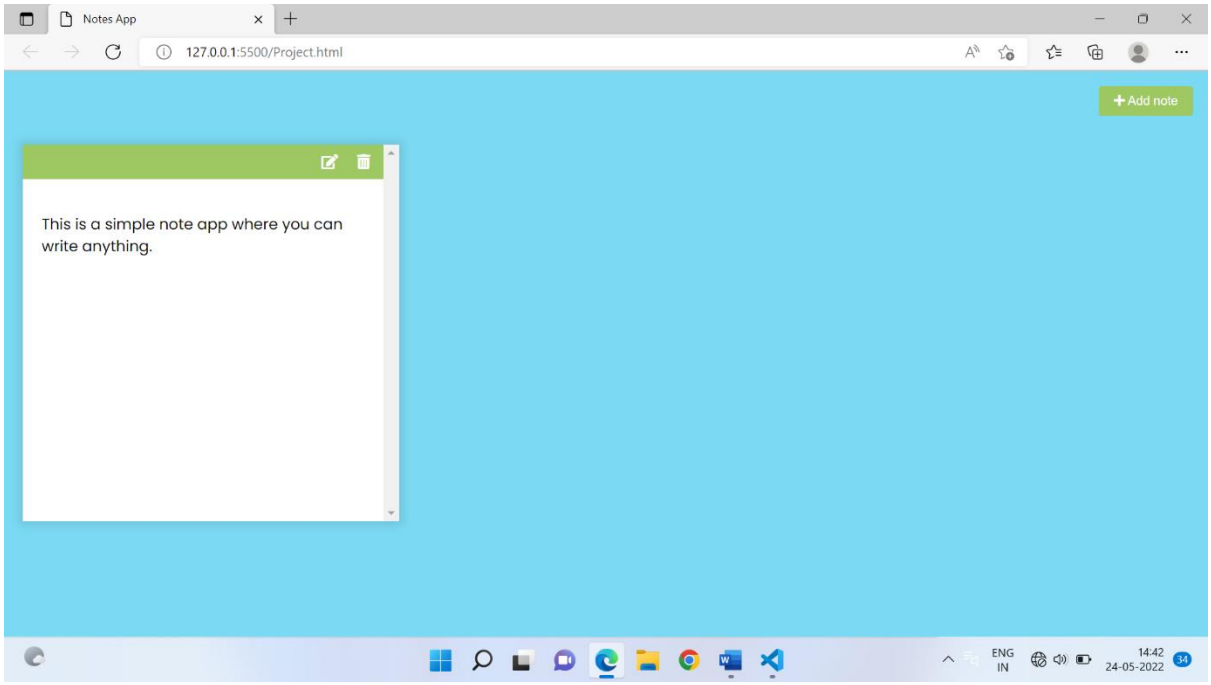


JS CODES :

```
const addBtn = document.getElementById('add')

const notes = JSON.parse(localStorage.getItem('notes'))

if(notes) {
    notes.forEach(note => addNewNote(note))
}

addBtn.addEventListener('click', () => addNewNote())

function addNewNote(text = '') {
    const note = document.createElement('div')
    note.classList.add('note')

    note.innerHTML = `
    <div class="tools">
        <button class="edit"><i class="fas fa-
edit"></i></button>
        <button class="delete"><i class="fas fa-trash-
alt"></i></button>
    </div>

    <div class="main ${text ? "" : "hidden"}"></div>
    <textarea class="${text ? "hidden" : ""}"></textarea>
    `


    const editBtn = note.querySelector('.edit')
    const deleteBtn = note.querySelector('.delete')
    const main = note.querySelector('.main')
    const textArea = note.querySelector('textarea')

    textArea.value = text
    main.innerHTML = marked(text)
```

```
    deleteBtn.addEventListener('click', () => {
        note.remove()

        updateLS()
    })

    editBtn.addEventListener('click', () => {
        main.classList.toggle('hidden')
        textArea.classList.toggle('hidden')
    })

    textArea.addEventListener('input', (e) => {
        const { value } = e.target

        main.innerHTML = marked(value)

        updateLS()
    })

    document.body.appendChild(note)
}

function updateLS() {
    const notesText = document.querySelectorAll('textarea')

    const notes = []

    notesText.forEach(note => notes.push(note.value))

    localStorage.setItem('notes', JSON.stringify(notes))
}
```

Output



CONCLUSION:

This project is used to create a notes application that uses local storage and allows for edits, among other things. You can create notes according to your requirement as much as you wish. This is a simple and easy to use webpage. For creating notes this is a very effective webpage.

Very basic knowledge of HTML,CSS, JS is used for this project.