**VIRTUAL STUDY GROUP - DOCUMENTATION**

**APPLICATION FUNCTIONALITY**

The **Virtual Study Group** platform allows multiple users to join, input their names, and add notes dynamically. Each note is associated with the user who entered it. After submitting a note, the application prompts for a new username, ensuring continuous collaboration.

**Key Features:**

* **Multi-User Support:** Users enter their names before adding notes, and each note is tagged with the respective username.
* **Real-Time Note Addition:** Notes are displayed instantly upon submission.
* **Dynamic User Prompting:** After each note, the application asks for the next user's name.
* **Error Handling:** Prevents submission of empty names or notes by displaying validation messages.
* **Responsive Design:** Works on different screen sizes with a clean and modern UI.

**USAGE INSTRUCTIONS**

**Step 1: Enter Your Name**

* The application starts by asking for the user’s name.
* Enter a valid name and click the **Proceed** button.
* If the name is empty, an error message will appear.

**Step 2: Add a Note**

* Once a name is entered, the note input field appears.
* Type your note and click **Add Note**.
* If the note is empty, an error message appears.

**Step 3: View Notes & Repeat Process**

* The submitted note is displayed below with the username.
* After submitting, the system asks for another user’s name to continue adding notes.
* Repeat the process for each new user.

**SETUP PROCESS**

**Prerequisites:**

* A web browser (Google Chrome, Firefox, Edge, etc.)
* Basic knowledge of HTML, CSS, and JavaScript (for modifications, if needed)

**Steps to Run the Application:**

1. **Download the Files:**
   * Create a project folder (e.g., VirtualStudyGroup).
   * Inside the folder, create three files:
     + index.html
     + styles.css
     + app.js
2. **Add the Code:**
   * Copy and paste the provided HTML code into index.html.
   * Copy and paste the provided CSS code into styles.css.
   * Copy and paste the provided JavaScript code into app.js.
3. **Run the Application:**
   * Open index.html in any web browser.
   * The application will load and prompt the user to enter their name.
4. **Test the Functionality:**
   * Enter different user names and add notes to verify that they are displayed correctly.
   * Try submitting empty names or notes to see error handling in action.

**PROJECT STRUCTURE**

/VirtualStudyGroup

│── index.html (Frontend UI)

│── styles.css (Styling)

│── app.js (JavaScript Logic)

**CODE IMPLEMENTATION**

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Virtual Study Group</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="container">

<h2>Virtual Study Group</h2>

<div id="user-input">

<label for="username">Enter your name:</label>

<input type="text" id="username" placeholder="Your Name">

<button onclick="proceed()">Proceed</button>

</div>

<div id="note-section" style="display: none;">

<label for="note">Enter your note:</label>

<textarea id="note" placeholder="Write your note here..."></textarea>

<button onclick="addNote()">Add Note</button>

</div>

<div id="notes-list">

<h3>Notes</h3>

<ul id="notes"></ul>

</div>

</div>

<script src="app.js"></script>

</body>

</html>

**styles.css**

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

margin: 0;

padding: 0;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

}

.container {

background: white;

padding: 20px;

border-radius: 10px;

box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);

text-align: center;

width: 400px;

}

input, textarea {

width: 100%;

padding: 10px;

margin: 10px 0;

border: 1px solid #ccc;

border-radius: 5px;

}

button {

background-color: #007bff;

color: white;

border: none;

padding: 10px;

cursor: pointer;

border-radius: 5px;

}

button:hover {

background-color: #0056b3;

}

ul {

list-style-type: none;

padding: 0;

}

ul li {

background: #eee;

margin: 5px 0;

padding: 10px;

border-radius: 5px;

}

**app.js**

let currentUser = "";

function proceed() {

let username = document.getElementById("username").value.trim();

if (username === "") {

alert("Please enter your name.");

return;

}

currentUser = username;

document.getElementById("user-input").style.display = "none";

document.getElementById("note-section").style.display = "block";

}

function addNote() {

let noteText = document.getElementById("note").value.trim();

if (noteText === "") {

alert("Please enter a note.");

return;

}

let notesList = document.getElementById("notes");

let listItem = document.createElement("li");

listItem.innerHTML = `<strong>${currentUser}:</strong> ${noteText}`;

notesList.appendChild(listItem);

document.getElementById("note").value = "";

document.getElementById("user-input").style.display = "block";

document.getElementById("note-section").style.display = "none";

document.getElementById("username").value = "";

}