How the PDF Merge Tool Works

1. Page Overview

The HTML page provides a form to upload multiple PDF files, merge them into one, download the result, and preview it in the browser.

2. HTML Elements

- <input type='file'>: Lets users upload multiple PDF files.

- <button>: Starts the merging process.

- <a>: Becomes a download link after merging.

- <iframe>: Shows the preview of the merged PDF.

3. CSS Styling

The CSS gives the page a clean layout, centers content, styles the button, and hides the preview and download link until needed.

4. JavaScript Functionality

JavaScript listens for the 'Merge PDFs' button click. It reads all selected PDFs, uses PDF-lib to merge them, then creates a blob to preview and download the result.

5. PDF Merging Logic

- Creates a new PDF using PDF-lib.

- Loops through each uploaded file.

- Reads the file, loads its pages, and adds them to the merged PDF.

- Converts final PDF to a downloadable blob.

6. Output

After merging:

- The 'Download Merged PDF' link becomes active.

- A preview of the final PDF is shown in the iframe.

- The 'Merge PDFs' button is reset for new operations.