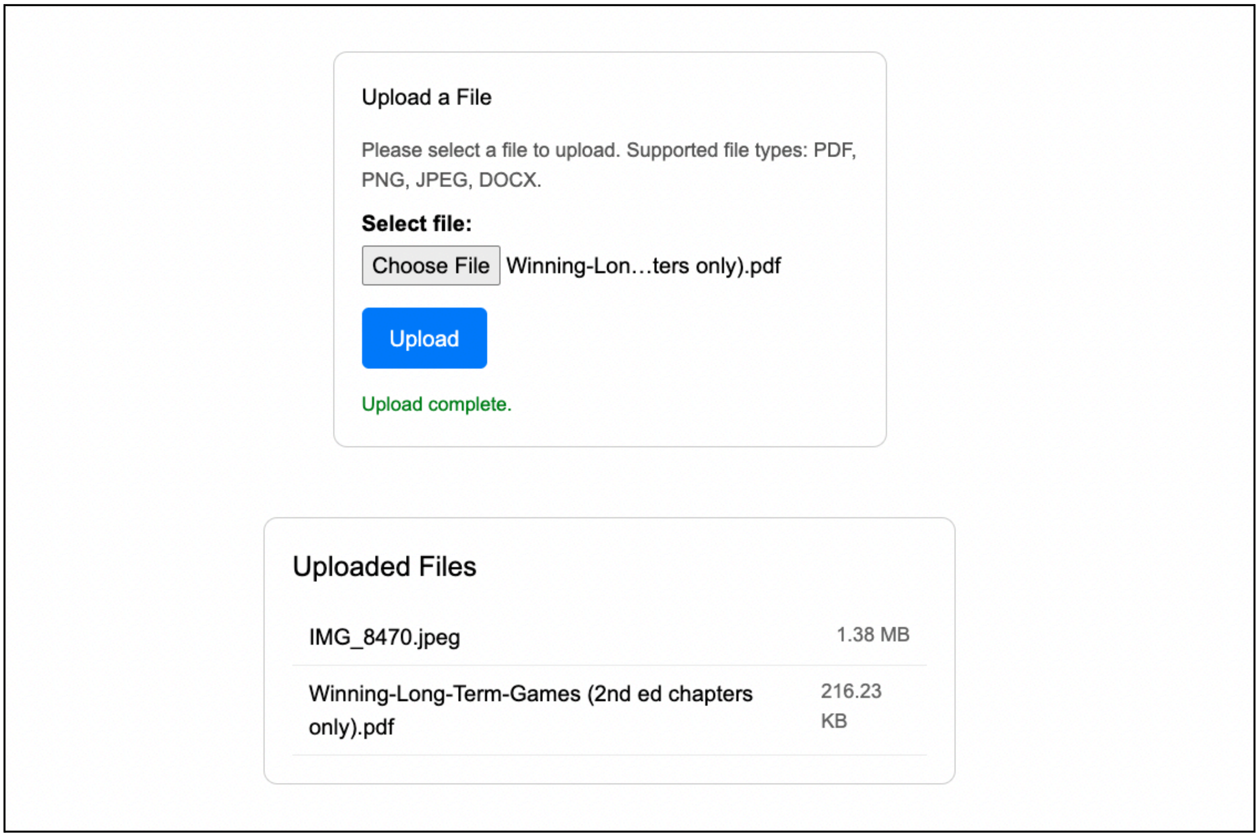
Current features

- single file upload
- multi-chunk file upload, for big files.
- progress bar for multi-chunk file upload
- uploaded file list viewer



Upload a File

Please select a file to upload. Supported file types: PDF, PNG, JPEG, DOCX.

Select file: Winning-Lon…ters only).pdf

Upload complete.

Uploaded Files

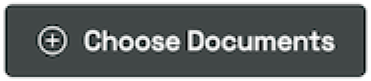
IMG_8470.jpeg	1.38 MB
Winning-Long-Term-Games (2nd ed chapters only).pdf	216.23 KB

Accessibility considerations

- Provide labels and description text that a screen reader can use.
- Setting values for elements such as aria-live or aria-atomic
- For the uploader progress bar have aria-valuenow={progress}
- One other trick I've used while in other projects was to automatically focus the message field when the upload finishes (either successfully or with an error). This way the message is automatically read after the operation is done.
- Possible improvement - provide keyboard shortcuts

Improvements and extra features we can add

- Drag and drop for the upload component (this may have negative implications for accessibility)
- Handling uploading multiple files with the same name. At this moment, if you upload X.png twice, only the last version will be stored.
- Uploading in folders that are unique to the ID of a user.
- Extract components in a more granular way. For example, extract separate upload progress bar, or Upload status Message Component
- Extract separate stylesheets (CSS files) for components.
- Make the upload button optional. after the user selects the file maybe the upload should start automatically. For example, I have seen that this is how you have it right now in the Frontify application However, from an accessibility point of view, there is a trade-off because the upload button makes it possible for the user to reselect a new file if the initial selection was not the intended action.



These are just some ideas. I'm happy to implement some of them if needed. Just let me know if any changes are needed to the code.

Deciding on the upload threshold

Deciding on the threshold (e.g., 5MB) for switching between a single upload and a chunked upload is about balancing performance, reliability, and UX. It's more than an estimation that an actual fixed number.

Gathering data about the users, the uploaded documents, and the technical constraints is critical in order to provide a clear answer for this question.

First of all, it will depend on the network speed of the clients. Eq: slow or unstable connections (like mobile or rural areas) are more likely to fail on large single uploads. We'll need more data that we can gather for example with navigator.connection.downlink.

One other factor can be the backend and infrastructure. For example S3 has a requirement on the files / chunk size https://docs.aws.amazon.com/AmazonS3/latest/userguide/qfacts.html

Finally, one more important factor to keep in mind is the user experience. Chunking adds: progress reporting and pause/resume/retry features. For git files chunking often provides a better experience.

Here's what popular apps/platforms do:

Google Drive	~5MB
Dropbox	150MB
OneDrive	~4MB
Amazon S3	5MB
YouTube	always chunked (could not find the actual chunk size)