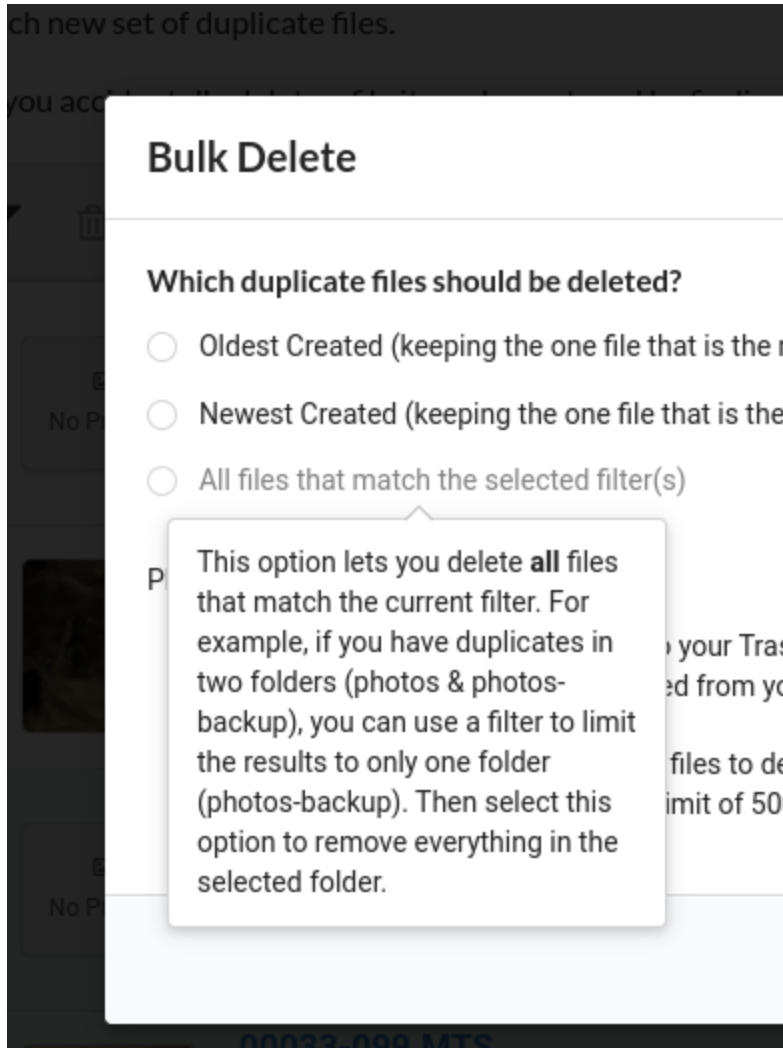((Clean Drive's primary goal is to help others organize their files in Google Drive. Currently, the focus is on **removing** clutter including the ability to delete in bulk. The app specializes in locating duplicate files, large folders, empty folders etc - something that is not easy within Google Drive. The primary features that resonate well with customers are listed on the [homepage](). As a whole, I would like the app to be simple to use and as self-explanatory as possible and to have a fresh, clean, modern feel.

The single most used part of the app is the **duplicate files page**. It may be best to focus on the functionality of this page since it is used the most. Users can manually select duplicate files to remove, use the select icon to choose the oldest/newest files on the current page, or use the "bulk delete tool" to remove duplicates. Keeping mobile in mind for the UX is also important since half of my users are on a mobile device (576px or less).

Below are the areas that I feel need improvement but don't feel boxed in with the UX I have built thus far. There could be a complete redesign as a better solution. I listed these items to help expose some of the issues that I have been seeing.

Areas That May Need Improvement

- If there are two files in a set of duplicates and one file is deleted by the user, the app will delete the one file and the remaining single file will disappear from the results. One user took this to mean that both files were deleted.

- I'm not sure that the alternating background color is the right way to display duplicates. Can the color blind see it? Is the color enough to signal the grouping of duplicates? Also, some users have thousands of a single duplicate file, in which case there is not an alternating background color until thousands are loaded on the screen.

- What is the best way to remove duplicate files? Many users start with manually selecting files and never notice the select icon at the top to select the oldest or newest duplicate files or the bulk delete tool. If the user doesn't notice the icon, they tend to spend hours manually selecting files or give up because it is too much work. These users may prefer manually selecting so they have complete control over what will be deleted. **Possible Solution**: add an onboarding tour to help users understand/see icons at the top of the page (https://introjs.com). Along the same lines, some users will manually select files and then click the big green button "Bulk Delete Tool" thinking that it will remove what they selected.

- Some users don't understand how filters can help them drill down and remove specific types of duplicates. So, I get feature requests like: I wish I could delete all duplicates in a specific folder or all duplicates owned by someone else. FYI, you would use a filter and then "bulk delete" > all. I'm not sure that the filtered view with the "show filtered out duplicates" (screenshot below) is the best UX, either.

- Bulk Delete. I have had users on the duplicate page, open the bulk delete dialog and then click all (thinking this would delete all duplicates - leaving 1 in each set behind). I solved this by disabling the "all" option on the dialog unless a filter is used. The problem still exists if the user opens the dialog when using a filter and doesn't read the dialog thoroughly.

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Bulk Delete

Which duplicate files should be deleted?

○ Oldest Created (keeping the one file that is the n

○ Newest Created (keeping the one file that is the

○ All files that match the selected filter(s)

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This option lets you delete **all** files
that match the current filter. For
example, if you have duplicates in
two folders (photos & photos-
backup), you can use a filter to limit
the results to only one folder
(photos-backup). Then select this
option to remove everything in the
selected folder.

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- Notice the "Please note:" section on the dialog as this is the best way I could think to communicate how things will work (if people read).

Bulk Delete

Which duplicate files with custom filter should be deleted?

- ○ Oldest Created (keeping the one file that is the newest)
- ○ Newest Created (keeping the one file that is the oldest)
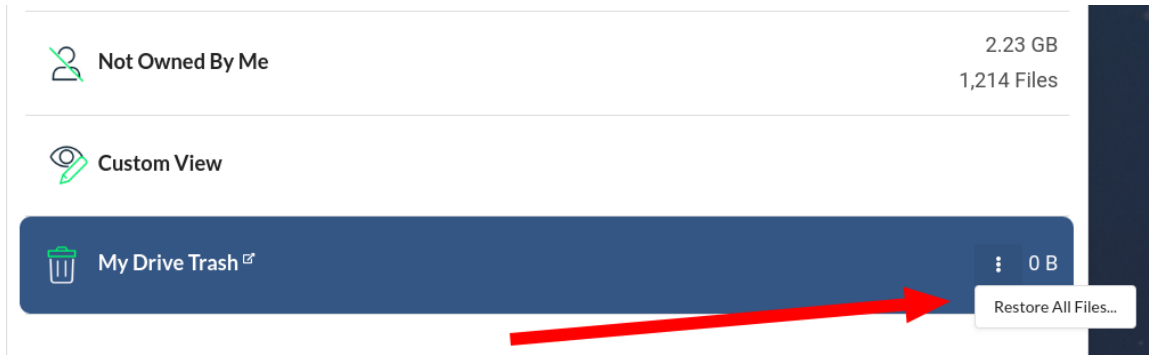- ○ All files that match the selected filter(s)
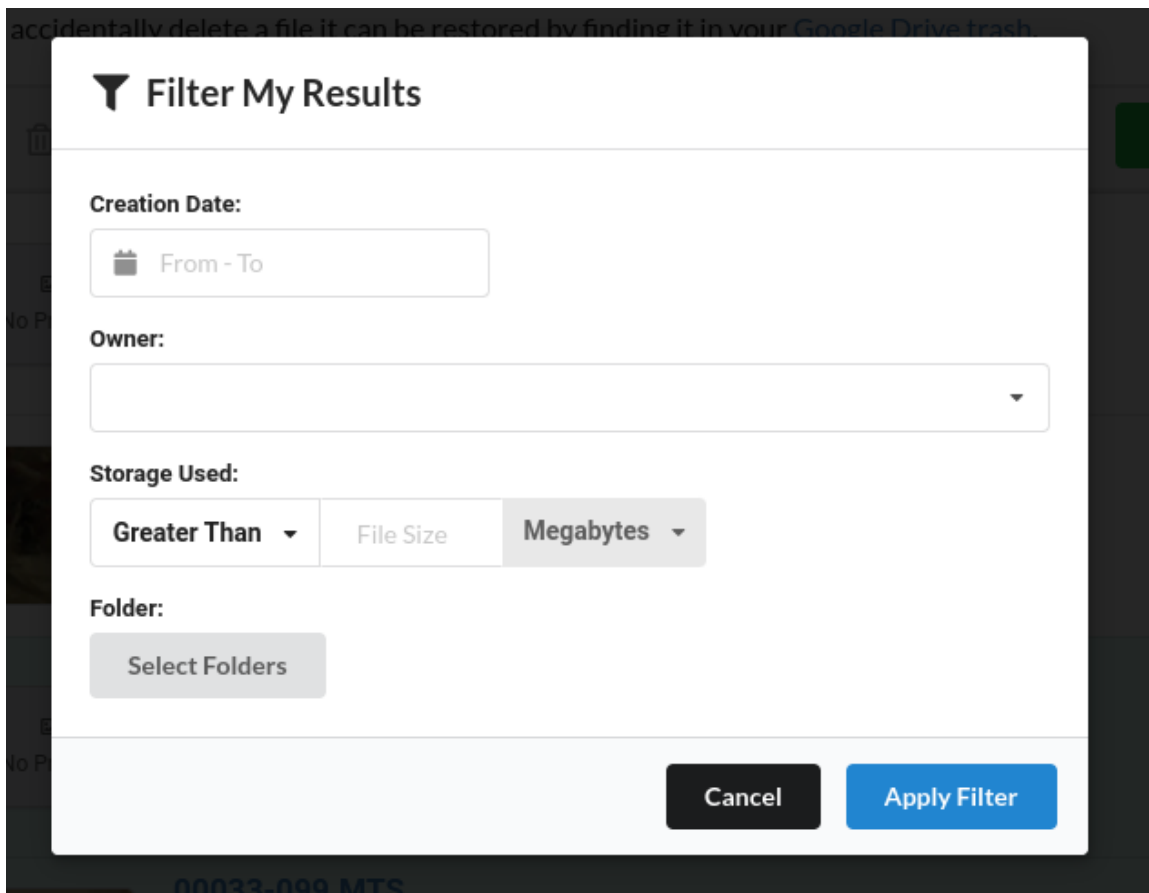
Please Note:

- Files owned by you will be moved to your Trash.
- Files shared with you will be removed from your account but the original owner will still have access.
- Using a filter ▼ will limit the set of files to delete.
- If deleting by oldest/newest and only one duplicate is found in the set due to a filter then that file will not be deleted.
- This will delete up to your monthly limit of 500,000 files.

Cancel   Continue

-

Features Coming Soon

1. Restore all files from trash which can be seen at the following URL. It may be a little too hidden? https://my.cleandrive.app/?beta=1

2. I plan to add a "file type" to filter by specific types of files in the below filter dialog.

Future Features

- Service other cloud providers (Dropbox, Box, OneDrive, etc). Not sure how to build the UX into the app (tabs come to mind) or if I want it to be a completely separate app.
- Bulk moving files

- Bulk copy
- Bulk change owner of files
- More ways to select duplicate files (longest name/shortest name, longest path/shortest path, largest/smallest size)
- Let a user pick a folder to scan instead of the entire "My Drive".