

Requirements

Top Level:

I want a cloud app where the user can store images or other files where they are organized by tags instead of a typical folder hierarchy. The user will access their files through either a web address or a smartphone app, and should be able to perform all of the following actions from either. The user should be able to enter one or more tags into a search box and the app will quickly show a paginated list of all files that match the user query. For example: in an image-centric version, typing in "Nier:Automata YorHa_Unit_type_2B flowers" will show all fan art of the character 2B from Nier: Automata that contain flowers. If using the app as a document store, "NSCC ADBAS Week_2" will find every assignment I've needed to turn in for a class during the second week.

User Actions:

- Upload and download files
- Add meta description to file
- Search for files by user-defined tags
 - Optimize search to be as fast as possible
 - Fine to start listing files that match before content preview has fully loaded
- Assign user-defined tags to files
 - Can type brand new tag
 - Autocomplete tags as user types (?)
 - Can select from X recently used tags
- Different "flavors" of tags
 - Content of file tags
 - Circumstances of creation (original author, outside series referenced in file)
 - Meta tags (file size, resolution, tags about tags)
- Tags should be able to be color-coded by "flavor" according to user
- When viewing individual file initially scale file to page element size
 - Image: scale image
 - Document: only show first X lines
- Files can have a title
 - Include in search (?)
- Files can be given a meta description for when individually loaded
 - Do NOT include in search
- Files can be assigned parents and children
 - Display relationships when viewing individual file