Release Plan

Personal Knowledge Engine

10/22/2021

ReleasePlan\_v03

**High Level Goals:**

* Be able to search through multiple files for specific information
* Concise user interface for searching
* Specify which folders/file types to search/exclude
* Include basic regex search for developers
* Search results appear as a list with each element containing the file path and a preview of the part of the file that matches the search
* Ability to search for terms outside of exact text matches.
* Search image text using OCR
* Search images by visual content (e.g. “pictures of the backyard”)
* Search images by name (e.g. “pictures with a brand”)

**User Stories:**

* Sprint 1
  + (2) As a student, I want to be able to search through a single file for keywords so I can find important information.
  + (2) As a student/teacher, I want to be able to search through multiple files for keywords, so I don’t have to search files individually.
  + (3) As a user, I want to be able to restrict my search to certain file types, or to specific folders, so the search is quicker.
* Sprint 2
  + (3) As a first time user, I want the search function to have an understandable and organized user interface so that I know where information was found and how I can access it.
  + (2) As a visual person, I want to have some visual feedback that a search is in progress so that I don’t waste time waiting for a search that isn’t in progress.
  + (1) As someone who makes mistakes, I want to be able to cancel a search before it completes so that I can modify it or avoid wasting time finding information that I don’t need.
* Sprint 3
  + (2) As a user, I want to change which specific files or file types I search through so that my results can be more tailored to my search.
  + (1) As a user, I want to be able to update the results for my past searches without having to retype them.
  + (5) As a user, I want my files to open to a relevant area when I click on them in the search results.
  + (3) As a user, I want to be able to refresh my search history of search terms to start searching new terms afresh.
* Sprint 4
  + (2) As a user, I want to see previews of the searched term as it appears in the result files so that I know which files contain useful information.
  + (1) As a user, I want to be able to update the results for my past searches without having to retype them.
  + (1) As a user of open-source software, I want the code to be as clean, precise, and simple to understand as possible.
  + (1) As a power user with lots of file types in my directories I want to be able to search all of them.
  + (1) As a general user, I want the program layout to be formatted uniformly across different systems.

**Product Backlog:**

* (8) As a user I want searches to include text in images.
* (13) As a photographer, I want to be able to search images by the kind of items in the image.
* (8) As a user, I want to be able to search using natural language, or text outside of the exact terms I want to find.

**Project Presentation:**

N/A