Product Requirements Document

Search Master Application

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Objective

Vision	File Searching Application & API that lets users search through the contents of their files hosted on all major cloud storage platforms such as Dropbox, Google Drive etc..
Goals	1. To provide a reliable search API for users to browse & search through the file contents on files present in the cloud storage. 2. To provide an easy to understand web based user interface for naïve users to utilize search facility.
Practical Use Cases	To search for a specific file using known search terms through multiple files: 1. named inappropriately/named such that not easy to remember. 2. Present in highly unorganized manner in the cloud storage.

User Flow & Design

- Use Case 1: For advanced users/developers:
- API endpoint:
  - curl https://search-that-file.herokuapp.com/search?q=<search-phrase>

  Arguments: 1. q : A string containing the search phrase longer than 1 character.

  The search api currently does not support fuzzy search(spelling mistakes). So, the phrases will be searched for, exactly as passed.
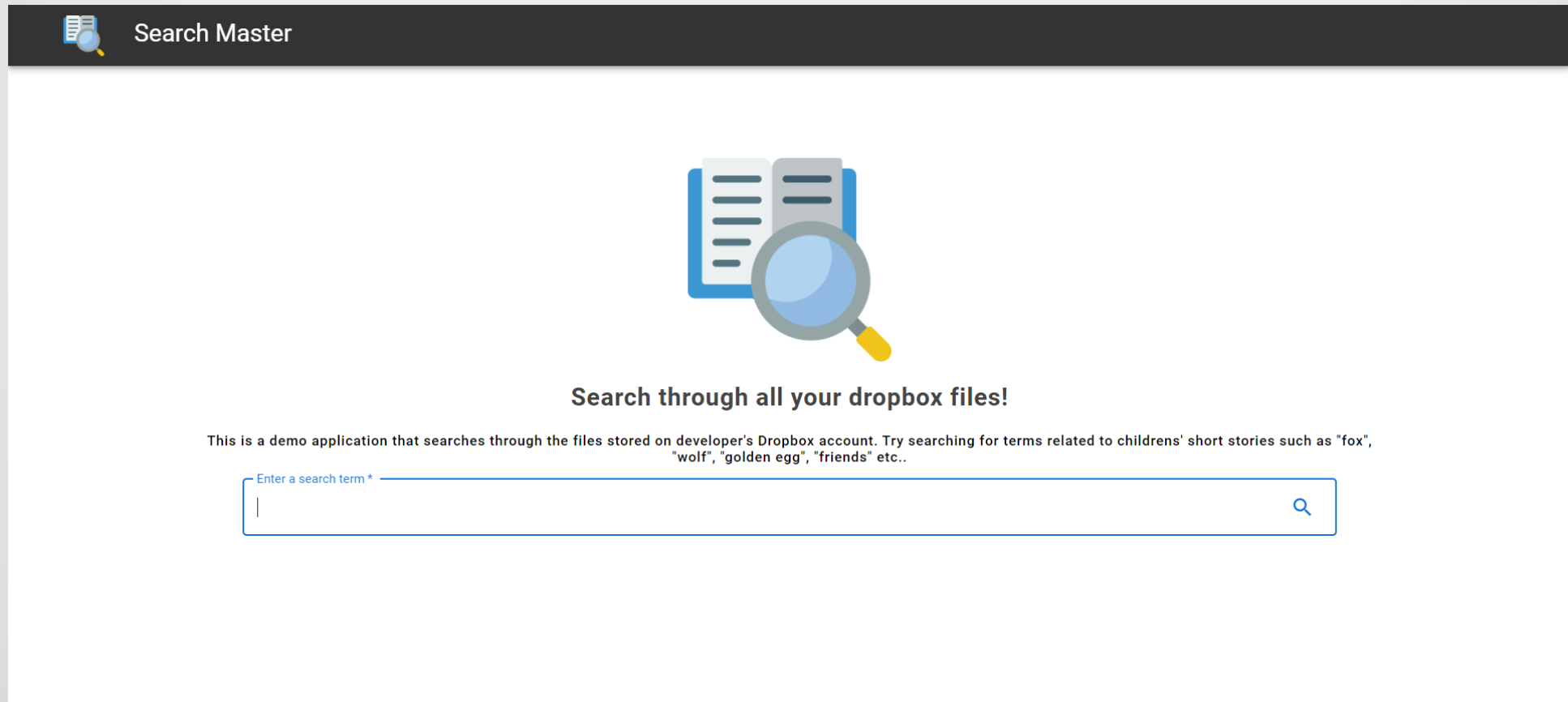
  Response: JSON response containing a list of objects, each object containing the name of the file, a publicly accessible link to it and the path of the file inside the Dropbox account.

  Eg:

```
[
  {
    "link": "https://www.dropbox.com/s/5jlctj73uh9i641
      /The%20golden%20egg.pdf?dl=0",
    "name": "The golden egg.pdf",
    "path": "/folder-1/the golden egg.pdf"
  },
  {
    "link": "https://www.dropbox.com/s/o5a3tdsf8tg9kva
      /The%20golden%20touch.pdf?dl=0",
    "name": "The golden touch.pdf",
    "path": "/folder-1/the golden touch.pdf"
  }
]
```

User Flow & Design

- Use Case 2: For naïve users/ web interface users:

- Site Link: https://search-master.vercel.app/

Home Screen

User enters a search phrase & presses "enter"

The search results are presented in a table where each row contains the name of the file that contains the searched keyword & a link to the same.