

# Lab 2: Information Retrieval

## Describe the requirements of an image search task

- A homepage which hold a headline and logo to let the user know what can identify the web page.



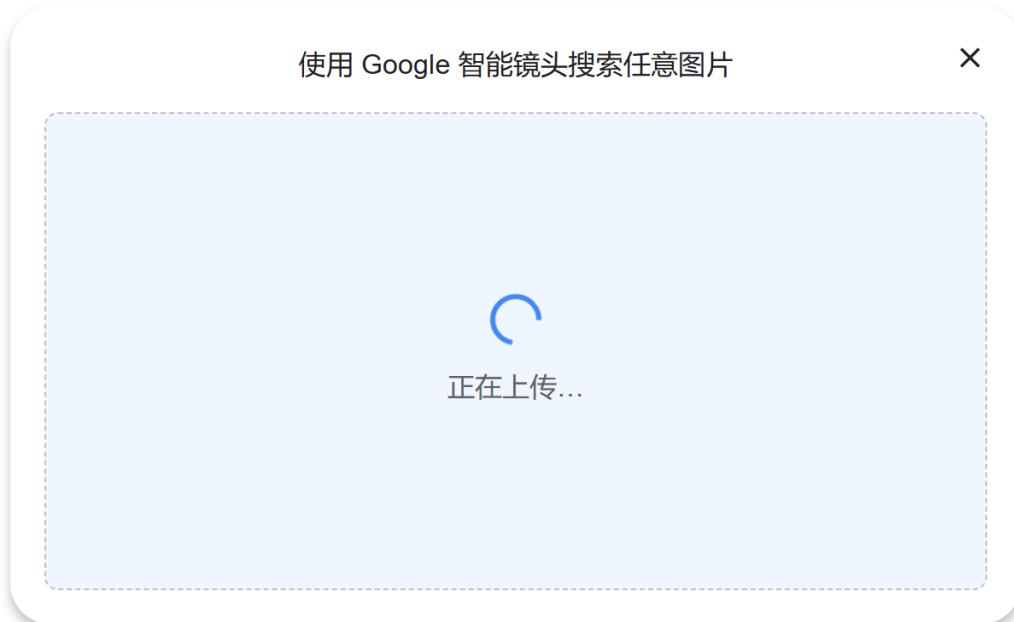
- The way that this engine provide to upload your image.

*The following picture show that the Google hold 3 ways for user to upload his or her images.*

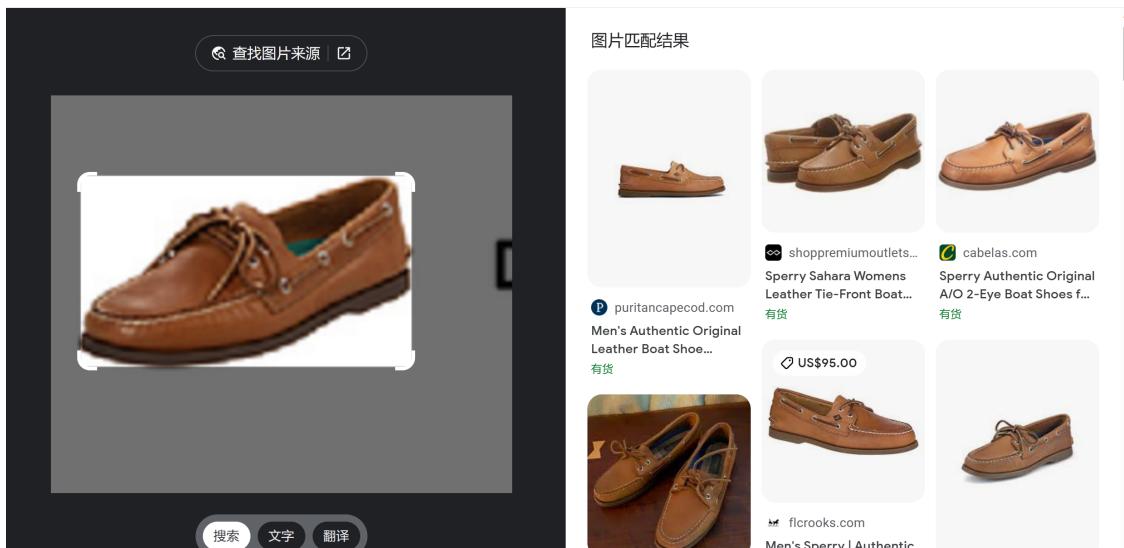


- Show a waiting logo, which can relax the user when the engine is searching

*Take Google for instance:*



- Show the source picture to let the user know which image he/she upload to search just now.

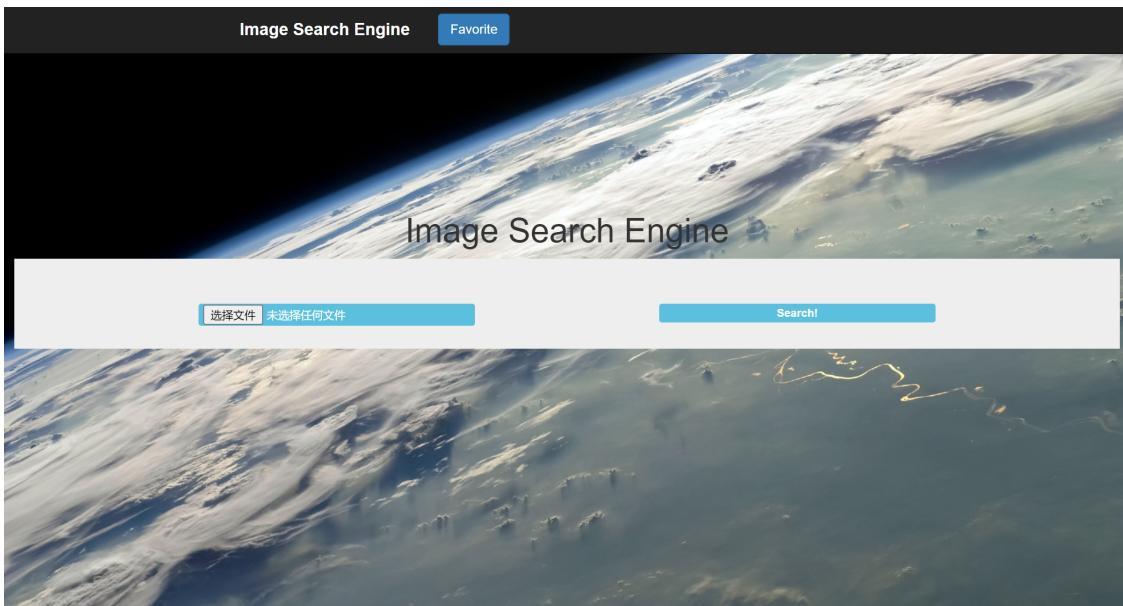


- Show the total number of the result which can let the user know how many images are similar to my picture in your engine.
- Classify the images of the result, which can let the user browse the result distinctly and the tags should be distinct.
- User can click one tag, and the system should show the images which hold this tag only.
- There should present a favorites and the user can add the images of the result to the favorites. And if he or she click the favorites, the image search engine are supposed to show the favorite images.
- Provide a **Clear button** to search image again

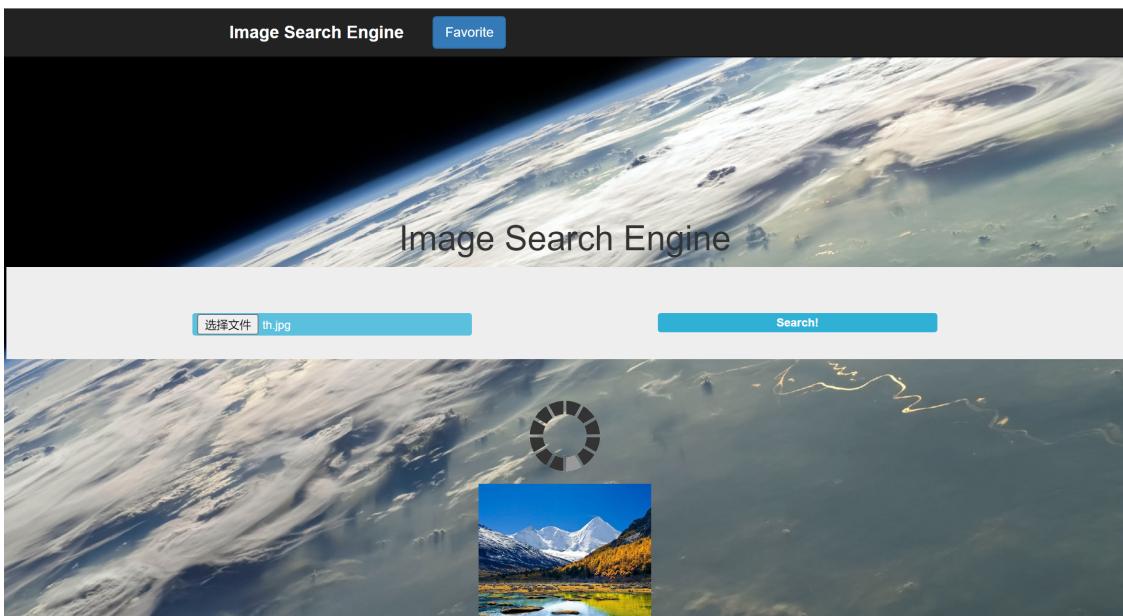
## My Design for Five-stage search framework

## Formulation

- Headline
- An input box to upload an image



- Show the source file



## Initiation of action

- A `Search!` button

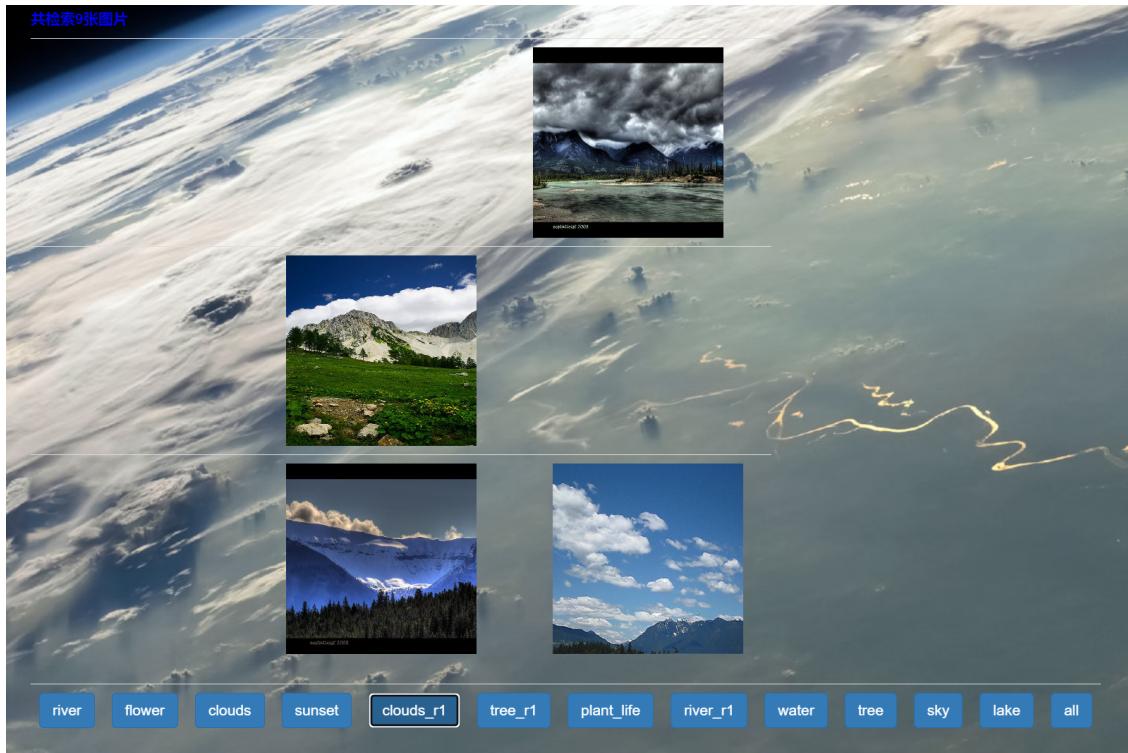
## Review of results

- Overview of results



# Refinement

- Allow changing search parameters, select certain tag when reviewing results .



# Use

- Save the result in the favorites and can see the favorite images.

