

# **Project documentation**

## **lab2 Information Retrieval**

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## **1. Requirements of an image search task**

There must be a five-stage search framework to help to satisfy the needs of all users

- Formulation

It is a simple and advance search. User upload a picture without many more requirements.

- Initiation of action

At this step, users will click some buttons such as “search”. As soon as the program get this action, the results will be showed to users.

- Review of results

This step help users know more about the given results. The program will show detail information such as number of results to users.

- Refinement

Users can change the options of result. Program will update the images according to the options.

- Use

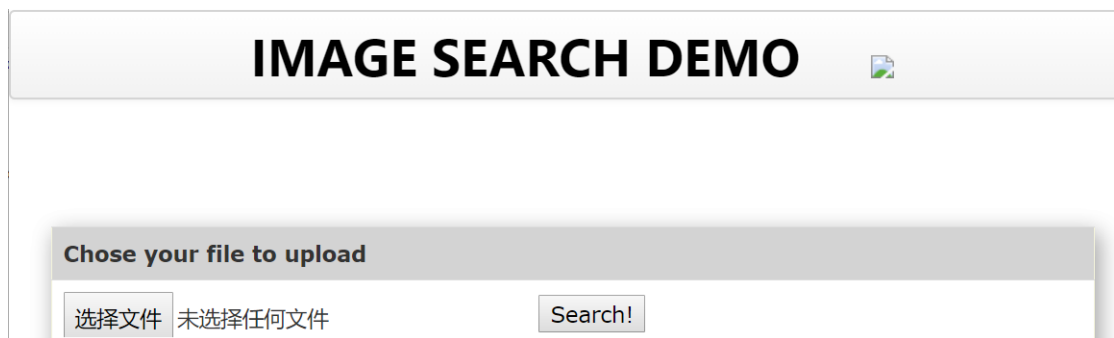
More functions will be provided in this step. For example, users can click on the pictures they like, or download some of them from the website.

These should can be repeated until user's requests are satisfied.

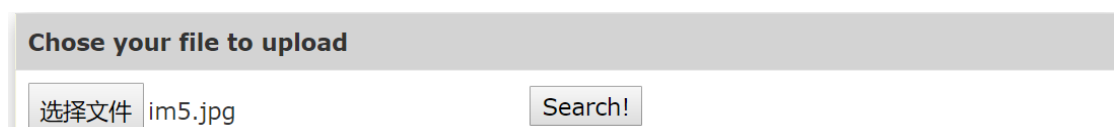
## 2. My design for five stages

- Formulation

There is an input box to upload an image. Users should click the button “select files” and select an image to upload.

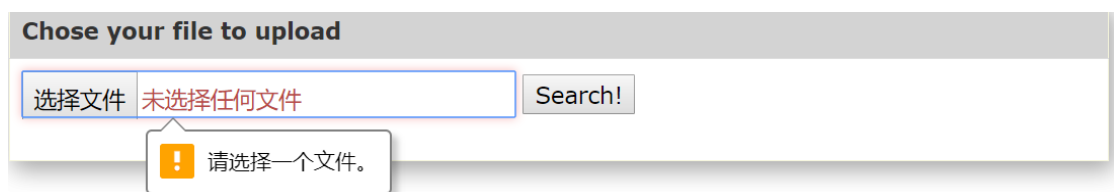


And users can preview the image they have uploaded.



- Initiation of action

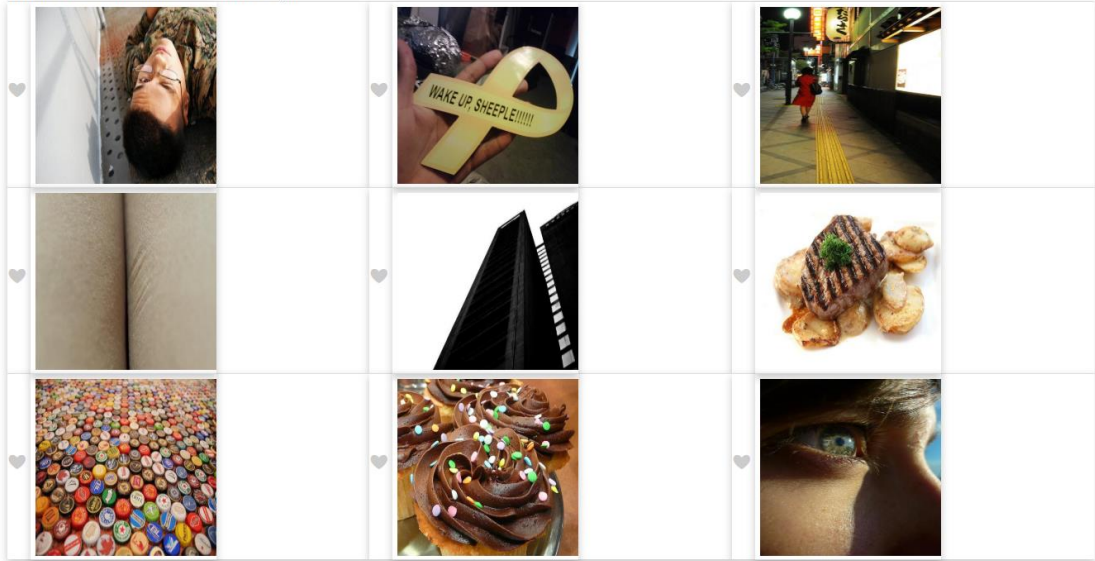
If users have uploaded an image, they can click button “search!”, and get a sort of results. But if they click the search button without an image uploaded. There will be a warning.



- Review of results

After the action of click search button, users can review of all the results. There is also a line to remind users of the total number of results.

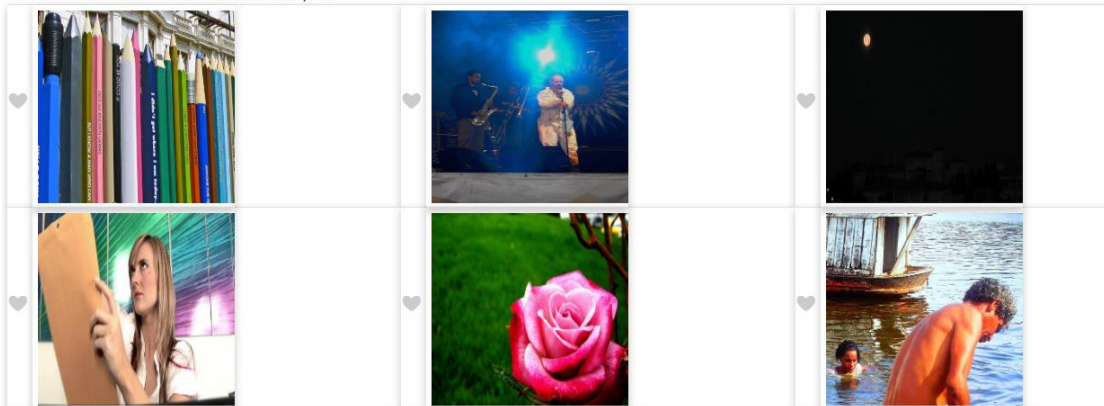
About 9 relevant results are found for you



#### - Refinement

After users have chosen the one of the tags, the result will be updated.

About 6 relevant results are found for you



#### - Use

Users can click the button like, and it will turn red. Next time users will see this picture with a red like next to it.

About 9 relevant results are found for you

