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1 Requirements of An Image Search Task

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1 Requirements of An Image Search Task

- A **homepage**.

The homepage holds a brief introduction to let the user know what can this image search engine do.

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

Take Google as an example, provide two ways to upload pictures.



- **Preview function**

Preview the uploaded picture.

- **Search button**

Click the button to search for images

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

Take Google as an example.



- Provide an **overview** of the results

Such as **the total number** of the result which can let the user know how many images are similar to my picture in your engine.

- **Filter button**

Users can filter the result pictures based on tags.

- **User action**

For example, click the picture collection button to add a collection.

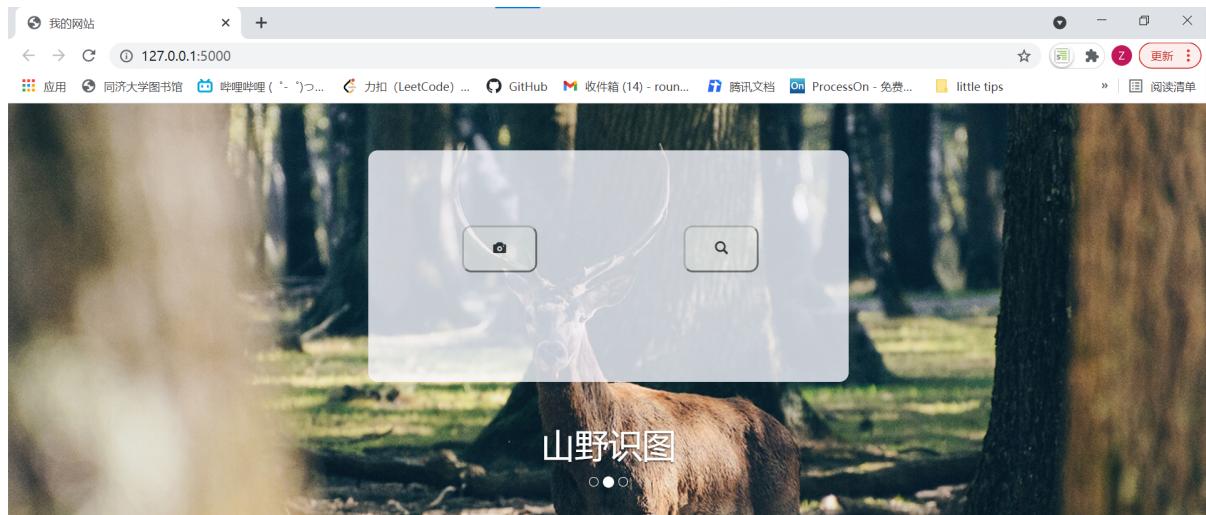
- **Clear button**

Used to reset search.

2 Five Stage

2.1 Formulation

- Homepage

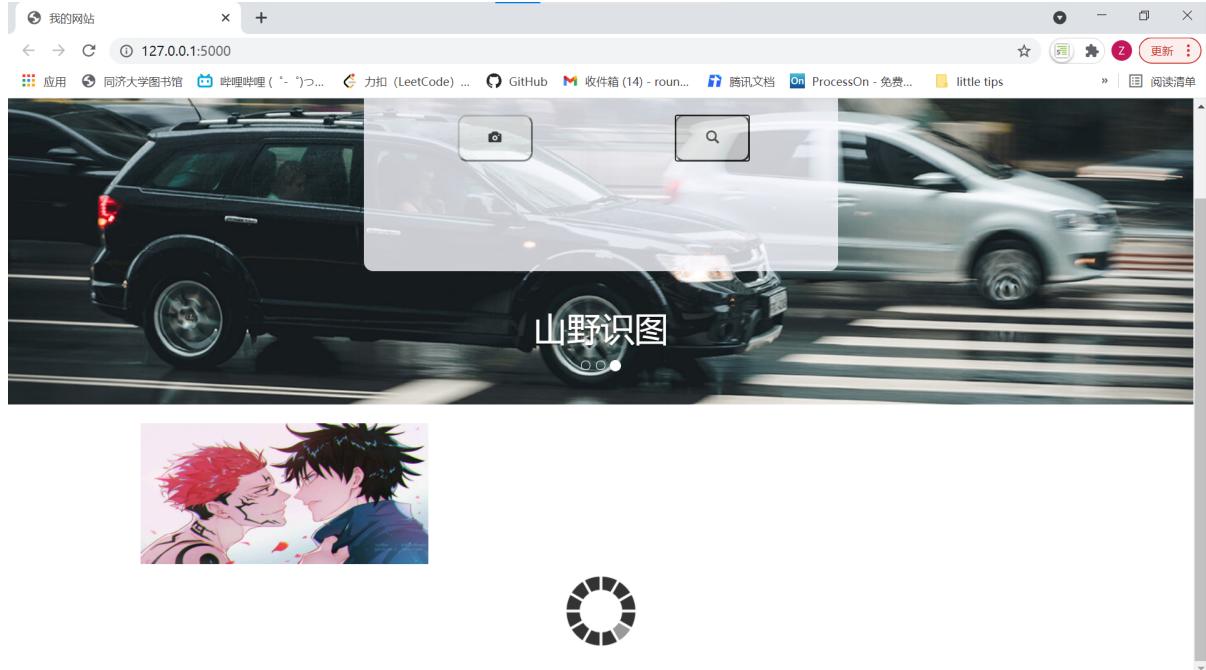


- The user can only upload his or her picture from local.



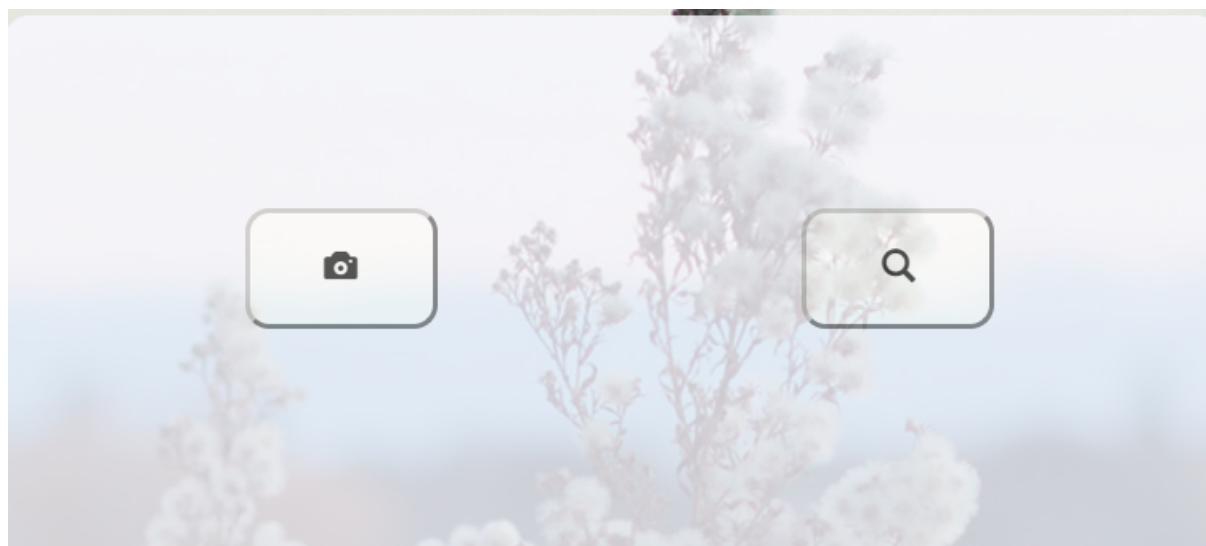
- Permit variants to allow relaxation of search constraints .

- Show the source file.



2.2 Initiation of action

- A search button to Explicit actions .



2.3 Review of results

- Keep search terms

Display the uploaded image for search.

- Provide an overview of results

Show the number of results of this search.



本次共检索出9张相似图片

- Provide descriptive previews of each result item

Mark the tag of the picture on each picture.

Tag	Image Description
indoor	A black and white photograph of a person's face with a large, intricate earring.
female	A woman with long dark hair standing next to a wall covered in graffiti.
female	A woman with dark hair and bangs looking directly at the camera.
female	A woman with short dark hair wearing a headband and smiling.
male	A man in a grey shirt and blue jeans standing next to a person in a yellow costume.
indoor	A man with long dark hair and a beard looking at the camera.
flower	A landscape photograph of palm trees and a sunset.
night	A photograph of a tree at night with green foliage.
indoor	A blue cartoon character lying on a bed in a room with colorful wall art.

2.4 Refinement

- Guide users in progressive refinement with meaningful messages

Users can choose displaying pictures with specific tags or all pictures through the "Filter" drop-down menu;

The filter dropdown menu shows the following options:

- all
- indoor
- female
- male
- flower
- night

2.5 Use

- Explore collecting explicit feedback

Users can click on the "love" button, which indicates a favorite, in the upper right corner of the result picture to collect the picture.



female