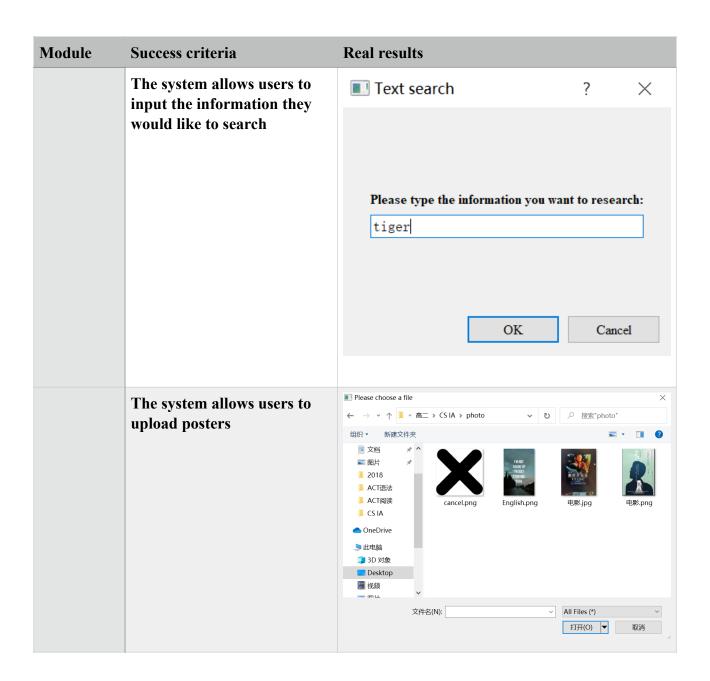
## Criterion E: Evaluation and further extensions

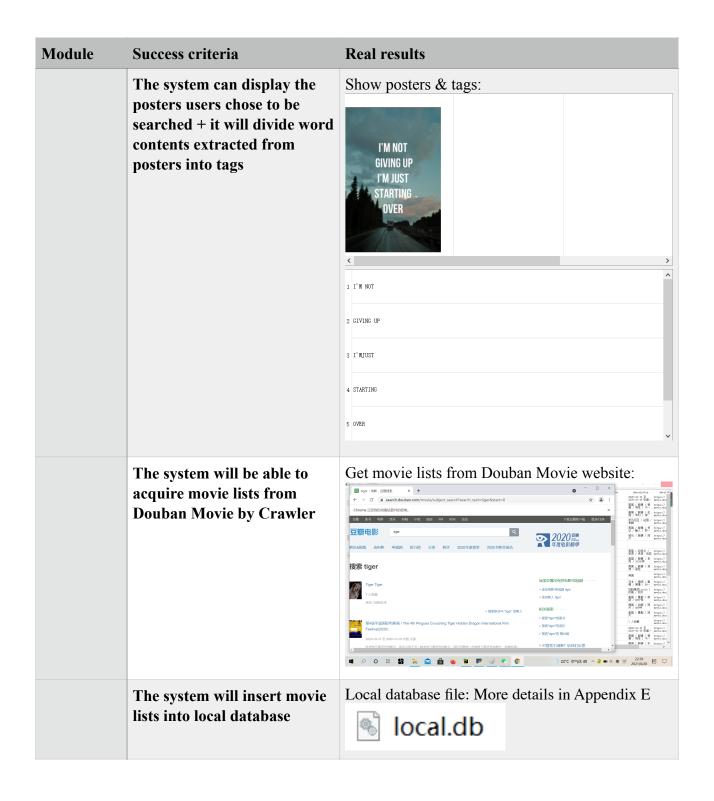
## Evaluation based on success criteria

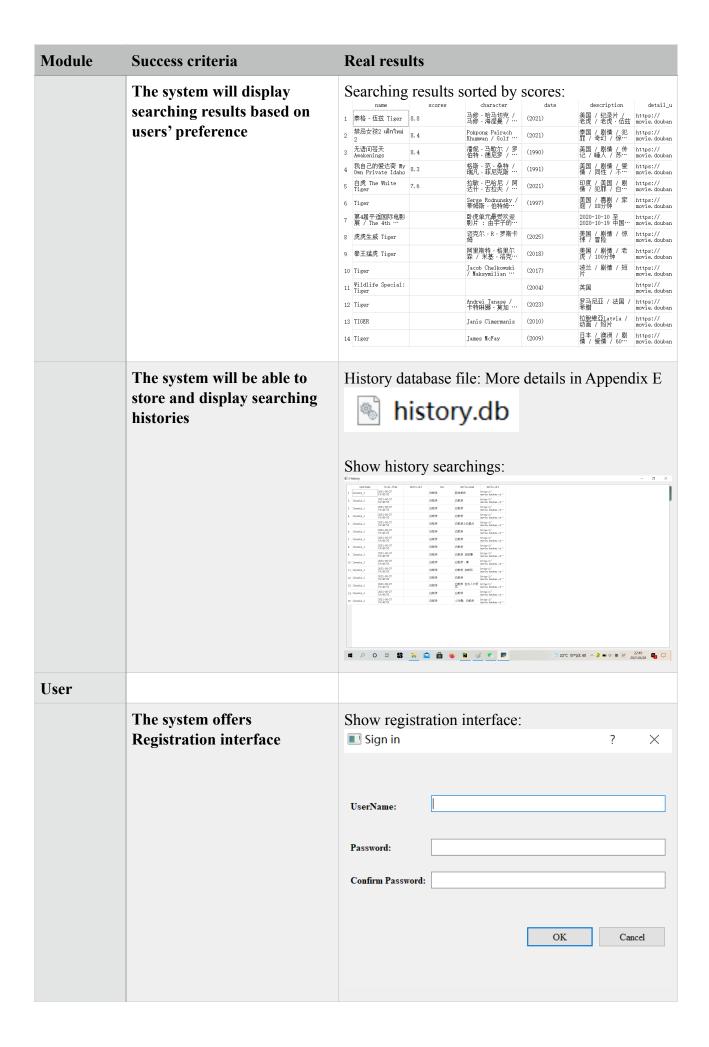
In this part, I will refer to the success criteria to evaluate my application. Overall, my application meets all of my criteria.

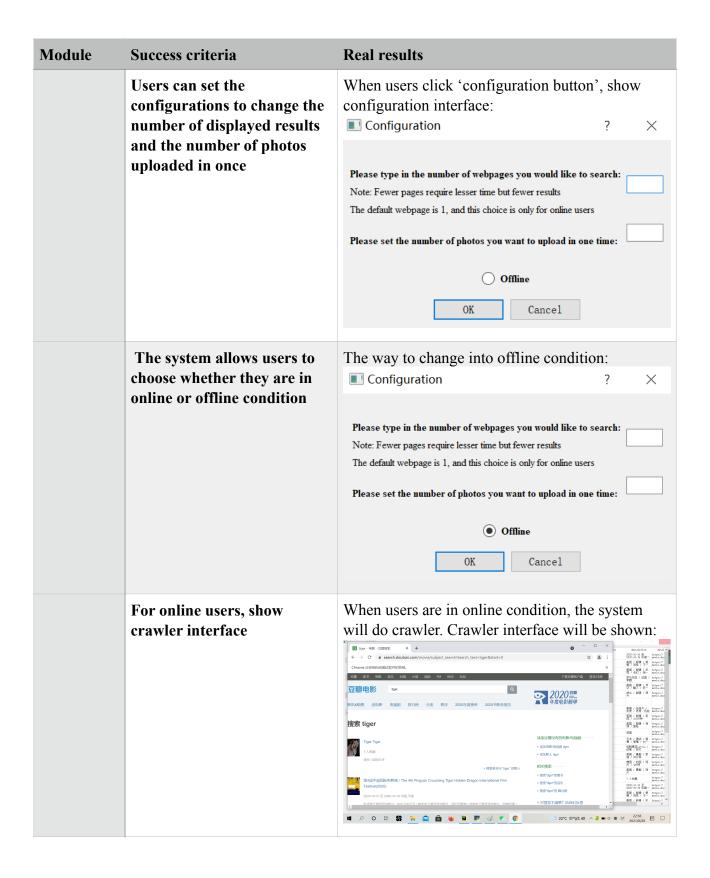
Module	Success criteria	Real results	
Function			
	The system allows users to choose their identity	When users open the system, this interface offers them a choice of a way to enter the application.  MovieFans  Signed User  Want to create an account?	
	The system should encrypt inputted usernames and passwords using Hash	After users pass the registration step, their information will be stored as the following form: e12bcbcf03756e848f40d33d9a37621b	
	The system will insert user information into user database	User database file: More details in Appendix E  user.db	
	The system allows users to change some Configuration	Users can change these following three configurations.  Configuration  Please type in the number of webpages you would like to search: Note: Fewer pages require lesser time but fewer results The default webpage is 1, and this choice is only for online users  Please set the number of photos you want to upload in one time:  Offline  OK  Cancel	

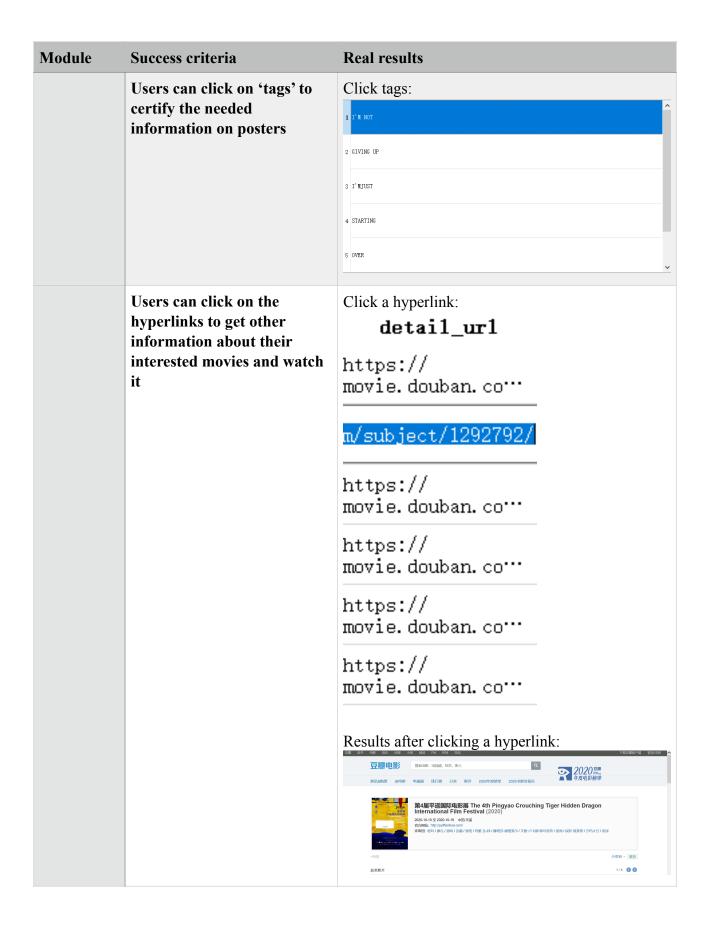


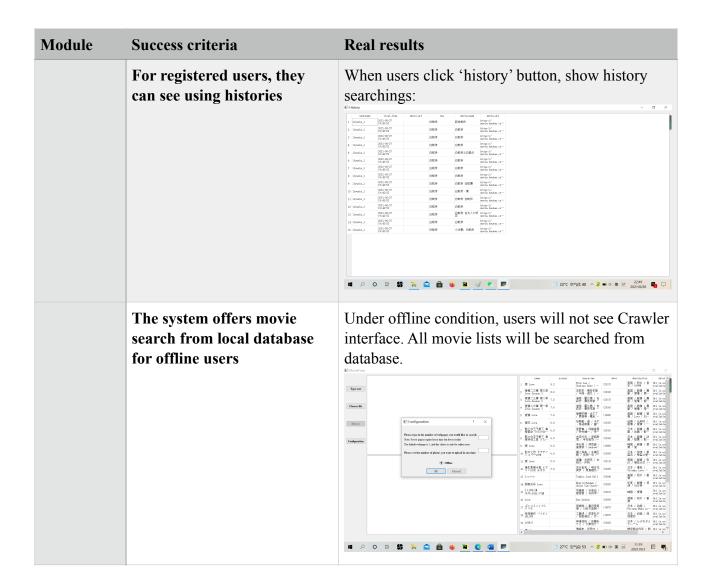
Module	Success criteria	Real results
	The system offers a translation between posters and text contents	The uploaded poster:  I'M NOT GIVING UP I'M JUST STARTING OVER  The translated word results:
		[{'words': "I'M NOT"}, {'words': 'GIVING UP'}, {'words': "I'MJUST"}, {'words': 'STARTING'}, {'words': 'OVER'}]

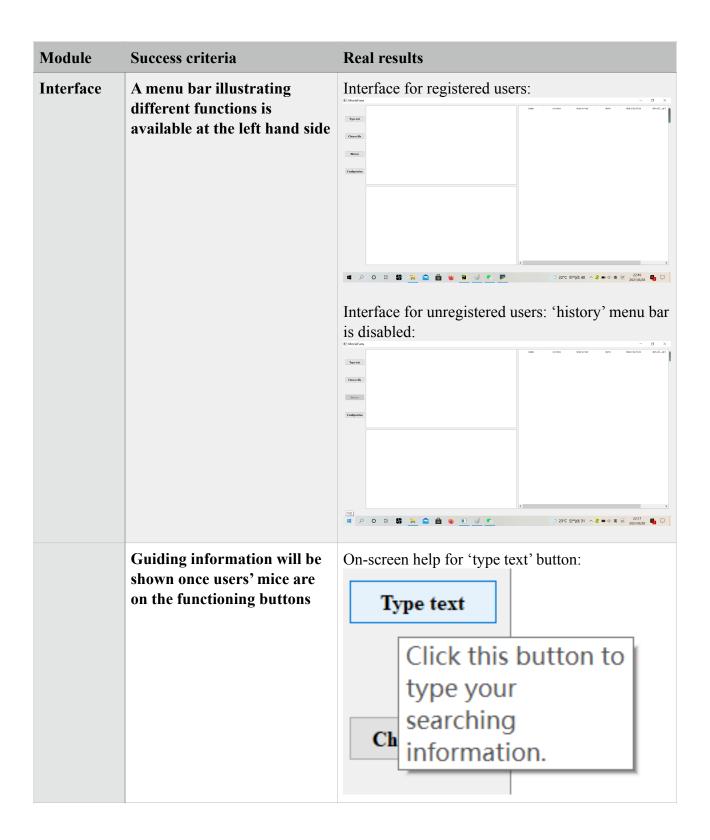


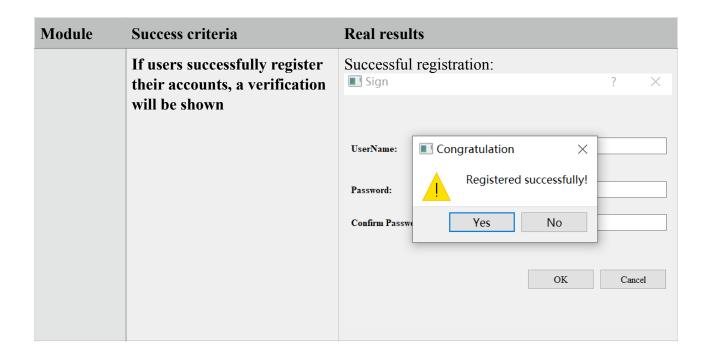


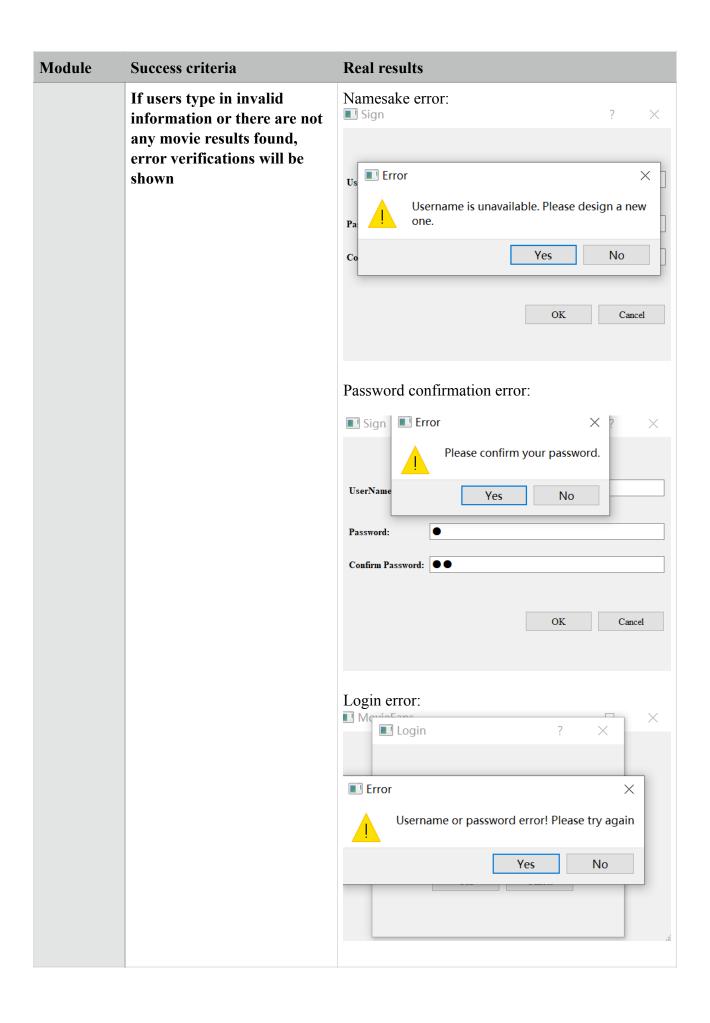


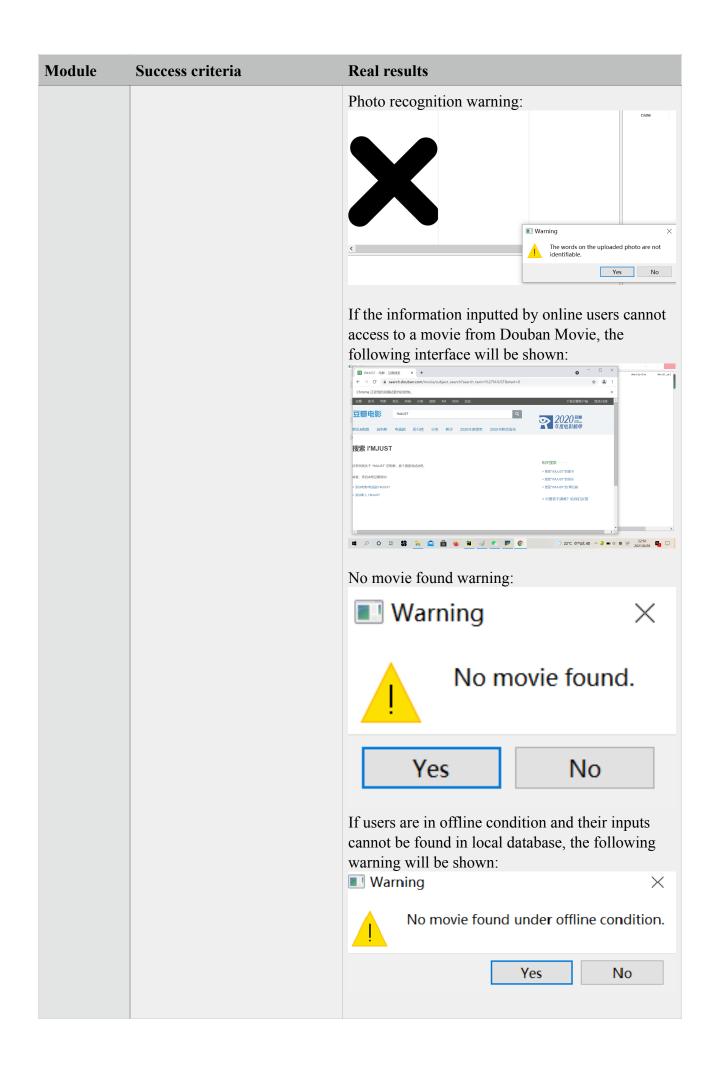












However, the 'photo recognition' function has some limitations:



Figure 1: Vague recognition

As Figure 1 illustrates, if the uploaded poster contains vague text contents(either caused by pixels or word sizes), the generated tags might not reflect all word contents.

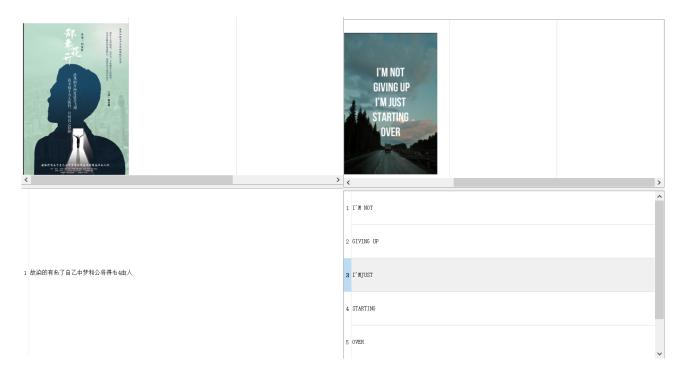


Figure 2、3: Wrong recognition

As Figures 2 and 3 show, if the word contents are cursives or vertical writing or the spaces between words are small, the system might have wrong recognition.

The above illustrations are under the condition when the system operates properly, but several unusual conditions might happen, and the solutions to these are mentioned in Appendix F.

## Client's feedback

After having the final interview(Appendix C) with my client, I get her feedback on my product as following:

Overall she is satisfied with my application. She thinks my system is user-friendly and easy to use. Also, she mentions that the verifications and on-screen help are cool. Besides, the efficiency to get movie lists from the Douban Movie website is great.

However, several improvements could be achieved in the future. At this stage, user passwords are hidden, but my client prefers to have an option to show passwords after/while users are typing to help users check their inputs. Also, she would like to change the interfaces from user sides to increase aesthetic value. In addition, it would be better to add a 'bookmark' button, especially for offline users to reserve their preferences.

## **Possible further extensions**

Referred to the system errors and client feedback, my product could be improved in following ways.

ways.					
Current limitations/ need of improvements	Alternatives/ improvements	Long-term/short- term	Remarks		
API_Photo recognition	Search and use more modules in Baidu API or find another API tool to enhance the ability of photo recognition.	Short-term resolution			
Offline users cannot save their records	Add a 'bookmark' button to record offline users' histories	Short-term resolution	Client suggestion		
All histories are stored	Add a function to offer users a choice of the preservation time of historical records.	Short-term resolution			
Sort and display movies by their scores	The current sorting rationale was an agreement with my client; however, to promote the application in a wider audiences, the further version could provide a choice for users to decide their sorting preferences.	Short-term resolution			
Current limitations/ need of improvements	Alternatives/ improvements	Long-term/short-term			
Passwords are hidden when users input	Have an option for users to reveal their passwords in order to avoid typing mistakes	Long-term resolution because further designs and supports might be needed	Client suggestion		
Fixed interface with less aesthetic value	Make custom interface for users to DIY	Long-term resolution because other interface design systems might be needed	Client suggestion		

Current limitations/ need of improvements	Alternatives/ improvements	Long-term/short- term
On-screen help pop up ever time	Since function buttons of my application are relatively simple to use, the on-screen help might only be helpful for first-time users. Because of this, an icon to close the help might be useful.	Long-term resolution because Qt-and- Python might not achieve this, so other platforms or exploration are needed.
Upload photo/input text->Output movie lists	For the further extensions, when users input their needs into the system, possibly the outputs will have wider expressions:  - Upload posters and output relevant posters  - Input texts and output posters	Long-term resolution because extended designs are needed.

Word Count: 114+135+16 = 265 (Excluding subheadings and tables)