

Criterion A: Planning

Defining the problem:

Felis catus, a club in our school that mainly focus on taking care of cats. What the club needs now is a convenient platform for the members to share pictures of their activities, which can let them tell others what he/she is currently doing. Other than this, their club leader wants the website shows only pictures containing cats in it, which is to avoid unnecessary and unrelated pictures. This is to say, she wants a function in the platform to work as a filter that can filter out those pictures do not contain a cat in it. As the same time, she thinks it will be good to show the type of cat. Besides, she wants the platform can allow them to see who upload which pictures, which would allow others to see who makes which progresses and if someone wants to get involved in other's project, it is convenient to find whom to contact with. In this case, it means that everyone needs to be registered and logged in to post anything. Moreover, for the pictures, those who uploaded it can add a description for it. This is for the consideration that only a picture may not be enough to show the progress in a project.

As the club is in need of the design of a platform, I thought it would be suitable to be the material for my IA, since online platform would be convenient to get access to, easy to operate and is able to fulfill all the needs of the client. Therefore, I thought I could provide the club with an IT solution. The computer science teacher has approved my idea.

To get further details, I decided to have an interview with the club leader.

Rationale:

In my opinion, a website would fulfill all the requirements of my client. It is possible to have different sections and each of the functions to do automated recognition of cats' faces, registration and logged in, and sharing pictures and comments.

For the cats' faces recognition part, if people do it manually, when there are too many pictures, it would be time-consuming. Therefore, the program will be designed to be able to automatically check if the pictures contain a cat and the type of the cat. Besides, the data uploaded shouldn't be lost, and therefore every activity has been done by the club can be recorded. Moreover, the website will allow users to create their own accounts, and others can tell who he/she is from the name of the account.

According to the requirements above, the reasons I chose a website are as shown below:

- It is easy to learn newly
- It is independent of the platform, just have requirements of the browser
- The data is saved to a server, and therefore it won't be lost
- With the help of CSS, it is possible to provide a user-friendly graphical interface
- With the help of PHP, it is easy to achieve the function of registering and logging in

Success Criteria:

1. The program provides clear UI for club members
2. The program has a function to let user registers and logs in
3. The program will only let the user post only if the user is logged in
4. The program should auto-check whether there is a cat in the picture, and if there isn't a cat in it, the program would through a message to the user and not allow the user to post it
5. The program can be able to show the type of the cat
6. The program will mark the account name for who posts and show the contact information as well
7. Users can upload things and others can see them almost concurrently
8. Data should not be lost when the website is closed