Lost and Found Website
Zense Project

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1 Idea

Many a times we does forget things at some place and later we may or may not find them. Though they might have found to some others, in many situations it is of no use due to lack of a communication channel between them. So this made me to take up this project. This website can be made to act as a channel for all those who lost things and even for all those who found things.

2 Software used

- Django

- Virtual Environment

- Python 3

- Pillow

- Crispy Forms

3 Scope of this project

I think in the current situation, it is much useful for our college itself, as in most the time IIIT-B longue group is being flooded with all lost and found things. Since it is most common and much needed thing for each and every organisation or a community, this project servers their needs as it consists of most of the features that are needed and this website is a universal website, i.e this project doesn't need to be changed much to bring it in use for other organisation or community.

4 Features

This website consists of most of the features that are required for a basic lost and found website.

- Login and register:
  Users can login and register. One a user is registered, he/she can view his/her profile. A default profile picture is also assigned to every user. He/she can change his profile pic using the edit section present in his profile page.Some features requires users to login/register while others do not require any.

- User specific options:
  Once logged in, users can view at their lost and found things in their profiles section.They can even view the currently active lost and found things.

- Edit details:
  Users can edit their details by using the option present under their profiles section.(Users can edit their username,email,profile picture)

- Report lost:
  Here users can report their lost things and it is implemented in such a way that the user must be logged in before he does post something. If the user is not logged in, and if tries to report (post) his lost thing, the site auto redirects to login page and after the user enter his valid credentials, the site auto redirects him to his desired web page.There he gets a form to fill in his and the lost thing details.

- Check what people lost:
  It is the place where the lost things that are reported in "report lost" are rendered.This doesn't require any need for the user to log in as it does not serve for his purpose. For example if a person finds something and wants to check the list of what people have lost, there should be no need for him to be a registered user.So he need not register or rather login to view this list.

- Report found:
  This servers a similar feature to "report lost". Here users can report the found things. Again it does not require login (or registration) as it doesn't serve his issue.

- Check what people found:
  Again this is similar to "Check what people lost" section, but here users can find the list of all the found things.This requires login/register.

5   Experience

Over all it was a wonderful experience as though I initially had this thought of lost and found website(when I lost my own rackets in MPH during first month of college itself), I didn't concentrate much as I thought rendering a website is "god level". But when I have stated googling stuff, it came out to be a piece of cake (though it took ample time for me to understand what's exactly is going on).Then the next challenge I faced was to select among the flask and Django(as I thought to stick to only one thing completely). After a thorough research, I at last decided to go with Django!
There were many issues in installing virtual environment and Django themselves in initial stages.The later biggest challenge I faced is to write code, as I made tons of mistakes (which were very silly) due to which it became very difficult to debug the code. But as I was finishing the project, I understood that what ever I have learnt is from debugging these stuff! And in the initial time, I wasn't even able to understand how things are working and how each file is linked with each other. Slowly I just started to love doing the stuff and just went in a flow.

6   References

1. https://www.youtube.com/watch?v=UmljXZIypDc&list=PL-osiE80TeTtoQCKZ03TU5fNfx2UY6U4
2. https://docs.djangoproject.com/en/3.0/

7   Things which can be implemented

- Comments session
- Search
- Change password and Forgot password