

## Database

mysql

## Framework

django

## Short Description

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This is a website for people on UIUC campus to post information about the items they lost and check out information of the items found by people that are kept in different lost&found sites on campus. Also, they can give advices to specific lost&found sites or just advices in general. The people mentioned here are **regular users**. If people don't need post information, they don't need an account, they can still browse the information or even post advices in an anonymous way.

Administrative users are mainly **workers** who work in different lost&found sites, and they are able to manage the information about the items found that are sent to the site. Another **administrative users who have higher authority** in the system would have the access to create, update and delete the information about the lost&item site aside from the ability to manipulate the found item information. Both kinds of administrative users can see the advices received from users.

## Authentication and Permissions Scheme

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There are three groups created, admin, worker, user. The "admin" is corresponding to **administrative users who have higher authority**, the "worker" is corresponding to **workers** who work on different lost&found sites, and the "user" is corresponding to **regular users**.

The permissions about different groups are given below.

(Notice: For the **auth\_user** model which is the one provided by Django, each user is allowed to add, view and change its own information.)

Permission	admin	worker	user
<b>site</b>			
view	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
add	<input checked="" type="checkbox"/>		
change	<input checked="" type="checkbox"/>		
delete	<input checked="" type="checkbox"/>		
<b>founditem</b>			
view	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
add	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
change	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
delete	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>lostitem</b>			
view	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
add			<input checked="" type="checkbox"/>
change			<input checked="" type="checkbox"/>
Delete			<input checked="" type="checkbox"/>
<b>advice</b>			
view	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
add	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
change(not enabled)			
Delete	<input checked="" type="checkbox"/>		

## Lists of user IDs and passwords

user	password	group
tester	(secret)	superuser(no group)
admin1	(secret)	admin
worker1	(secret)	worker
leslie1	(secret)	user
leslie2	(secret)	user

## Instructions for testing

Even without login, you can browse the information on the website and give advice in the advice page(if you want to give advices to specific site, you can choose the site in the selection box, or just leave it unselected). To login, you can either use the accounts provided or click the register button to create a new user that would be automatically set to the 'user' group, also you can view and change your profile information through the website.

The tester can do anything as a superuser.

The tester and admin1 can be used to log into the admin app which is <http://127.0.0.1:8000/admin/>.

The admin1 can be used to test the functions to view, add, change, and delete the *site* and the *founditem* information, also it can delete the *advice* information. The worker1 can be used to test the functions to view, add, change, and delete the *site* the *founditem* information. Both of them can view the advices received.

The leslie1 and leslie2 and other users you created through the website(not admin page) have no difference in functions except for the data related to them can be different. Aside from the superuser, they are the only users who can add, change and delete lostitem as they belong to the 'user' group. For other things, they can only view. However, there is one exception that they are not allowed to see the advices submitted unless they just creat one and then they can see the specific one.

## Further information

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For configuring virtual environment, there is the base.txt under Ren\_Zhiyan\_final\_project/lost\_found/lost\_found/requirements.

Regarding the coding part, there are two applications under the project, one is for things related to regular user accounts which called 'accounts', the other one is the one truly related to the lost&found information, named 'info'. In this way, to check out the urlpatterns, there are 3 places where urlpatterns would sit in, that are 'views.py' under the directory '/accounts', '/info', and '/'.

Also, there is a directory that is '/test\_data', this is not related to Django stuff, it is just for me to generate the test data for sites to see if the class 'PageLinksMixin' really works in my website.

## Thank you!

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