LOST AND FOUND PORTAL

PROJECT MANUAL

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PROJECT MANUAL

BRIEF DESCRIPTION

- Lost and Found Portal is an Intranet based platform which is developed with the view of bringing all notifications regarding lost/found items at one place, thereby reducing the problem of spamming in the campus and also, allow people to find their lost items as conveniently as possible.
- It allows people, exclusively from the campus, to post details about the items lost/found by them on the portal which can later be viewed by other users.
- Users will be able to view/edit/delete the item details posted by them. Additionally, they will be able to view the list of all found items matching their particular lost item separately and vice versa.
- Users can claim an item by sending mail notification to another user via the portal.

SYSTEM REQUIREMENTS

FOR THE SERVER
- ✓ Django 1.6.2 should be installed along with django-haystack, PIL and whoosh APIs.
- ✓ Database set up on the server : MySQL, PostgreSQL or SQLite
- ✓ Apache HTTP server with mod_wsgi

FOR THE CLIENT
- ✓ Web browser with HTML5 support alongwith Javascript and cookies enabled.

HOW TO OBTAIN, BUILD AND INSTALL
- ❖ Make sure python is installed on the machine. (It is usually preinstalled in Ubuntu; for Windows, setup can be downloaded and installed from https://www.python.org/. To check python is installed, give the following commands:

  python

  If python shell gets opened, python is successfully installed.
- ❖ Then, ensure **pip** is installed. Generally, it comes with python. To check if **pip** is installed, type the following in terminal:

  which pip

  If the output is some directory path, pip is successfully installed. Otherwise, give the following command:

  ```
  curl --silent --show-error --retry 5
  https://raw.github.com/pypa/pip/master/contrib/get-pip.py | sudo python2.7
  ```

- ❖ Install the following to successfully run the application:

  Django : $ pip install Django==2.6.2
  PIL : $ pip install PIL
  Whoosh : $ pip install Whoosh
  Django-haystack: $ pip install django-haystack

- ❖ The code for the application can be accessed from the **lostnfound** folder present on the Version Control System of the institute.
- ❖ Alternately, it can be accessed from github:
  https://github.com/elitecode/LostNFound
- ❖ The code need not be built or installed. It can be directly run by following the HOW TO RUN guide.

HOW TO RUN

STARTING THE SERVER

1. Open the terminal and reach inside the LostNFound_Project directory.
2. Run the following command to start the Django development server:
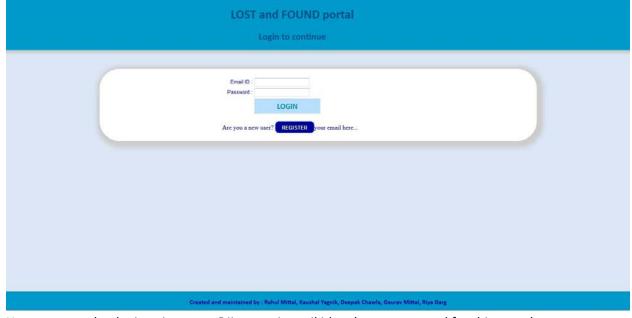
   python manage.py runserver

   The following output will be displayed on successful starting of the server.

   ```
   E:\4th Semester\CS Project\final\LostNFound_Project>python manage.py runserver
   Validating models...

   0 errors found
   April 30, 2014 - 18:47:42
   Django version 1.6.2, using settings 'LostNFound_Project.settings'
   Starting development server at http://127.0.0.1:8000/
   Quit the server with CTRL-BREAK.
   ```
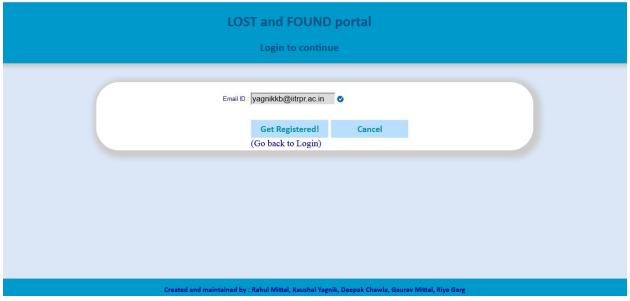
USING THE PORTAL

1. Once the server has started on localhost:8000, the portal can accessed through any web browser with the url **localhost:8000/lnf**. Once you have opened the portal, you will be welcomed by the following home page.

2. Here, you need to login using your @iitrpr.ac.in mail id and your password for this portal.

3. If you have not yet registered on the portal, click on the **Register** button which will open input field asking for your email id. When the **Get Registered** button is click, the Registration page will open if your email id is successfully verified, otherwise you will be shown an error.
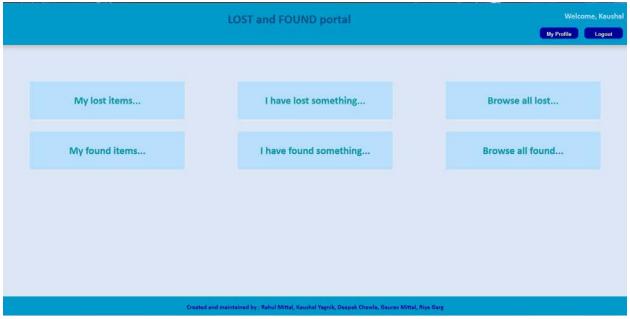

4. On the registration page, enter your name and address and then, press the **Register** button to get registered on the portal.
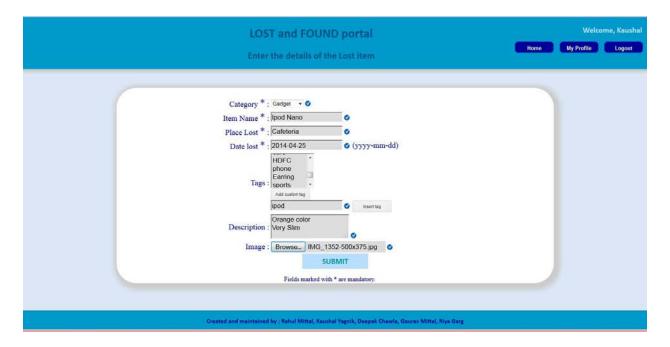

5. After successful registration, an email will sent to you on the mail id provided containing the password. Next, you will be redirected to the home page where you can login to enter the portal.

LOST and FOUND portal

Login to continue

An Email has been sent to you containing the password

Email ID :
Password :

LOGIN

Are you a new user? REGISTER your email here...

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LOST and FOUND portal

Welcome, Kaushal

My Profile   Logout

My lost items...   I have lost something...   Browse all lost...

My found items...   I have found something...   Browse all found...

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6. On successful login to the portal, you will be taken to the main page of the portal where you will find the following useful links:

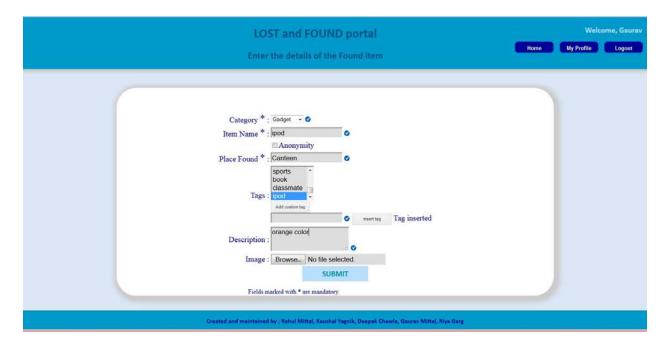**I H<small>AVE</small> L<small>OST</small> S<small>OMETHING</small>**

- When a user clicks on this link, a form will load where the user can specify the details regarding the item he has lost such as item name, category, description, tags (important points about the item), image and date lost. Some of them are required denoted by an asterisk (*).
- After successful submission, the user will be redirected to the page of the recently created lost item.
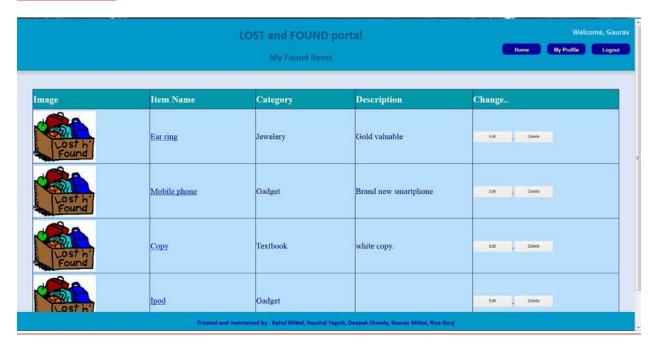

I Have Found Something

- When a user clicks on this link, a form will load where the user can specify the details regarding the item he has found such as item name, category, description, tags (important points about the item), image and date lost. Some of them are required denoted by an asterisk (*). He can also specify to remain anonymous.
- After successful submission, the user will be redirected to the page of the recently created lost item.
- Also, if any lost item existing in the database matches this found item, a mail will be sent to the user corresponding to the best matched item notifying him/her about the newly created found item.
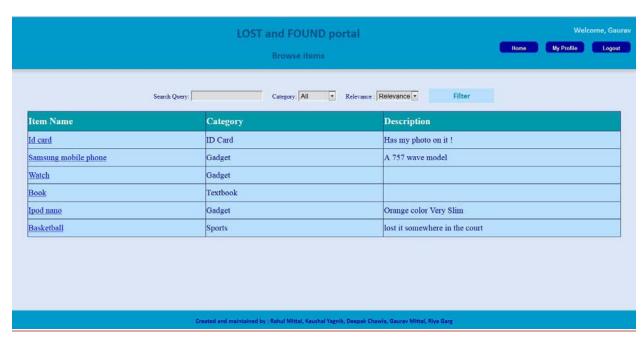
MY LOST ITEMS

- When a user clicks on this link, he/she will be taken to a page listing the items lost by him/her.
- The details of a particular object can be seen by clicking on its name which will display a page containing the items details and options to edit and delete it.

- When a user clicks on this link, he/she will be taken to a page listing the items found by him/her.
- The details of a particular object can be seen by clicking on its name which will display a page containing the items details and options to edit and delete it.

BROWSE ALL LOST ITEMS

- When a user clicks on this link, he/she will be taken to a search page where the user can browse through the list of all the lost items present in the database.
- The user can filter the items according to category, pass strings to search for items in the database and also, order the items according to relevance, name or date lost.

- The user can view the details of a particular object by clicking on its name.

BROWSE ALL FOUND ITEMS

- When a user clicks on this link, he/she will be taken to a search page where the user can browse through the list of all the found items present in the database.
- The user can filter the items according to category, pass strings to search for items in the database and also, order the items according to relevance, name or date lost.
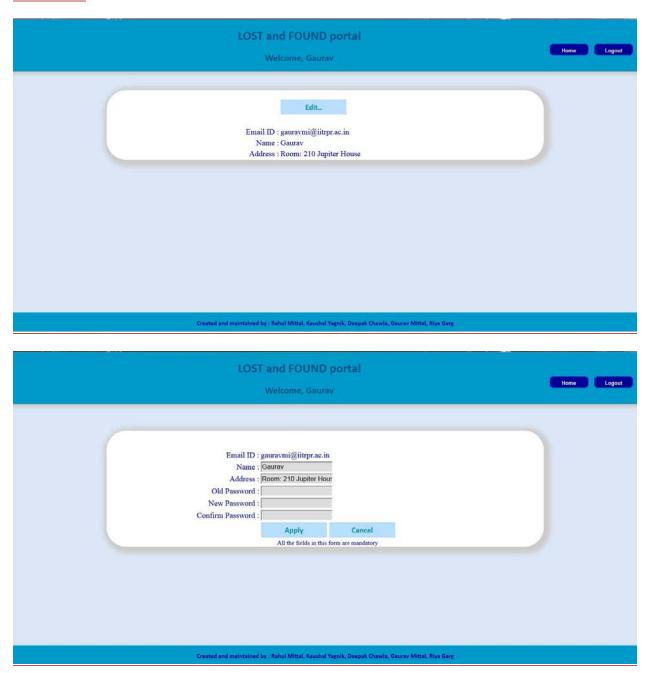- The user can view the details of a particular object by clicking on its name.

ITEM DESCRIPTION PAGE

- When a user clicks on the name of an item anywhere in the portal, he will be shown the description page for that item.

- This page displays all sorts of information related to the item such as related user, image, description, tags, anonymity (in case of found item), date lost (in case of lost item) and category.
- Along with these, if the item was posted by the same user, he will get links to either edit the details for that item or even delete that item altogether.
- If the item was posted by some other user, the user visiting the item will get a text box which can be used to send mail to the concerned user.

EDIT PROFILE

- This page provides the user the functionality to edit his/her name, address and even password (only after providing his/her old password).

LOGOUT

LOST and FOUND portal

Login to continue

Successfully Logged Out

Email ID :
Password :

LOGIN

Are you a new user? REGISTER your email here...

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- When a user clicks on this button, he will be logged out of the portal and all cookies will be deleted automatically without him/her knowing about it.