

PROJECT REPORT

IDEA:

This project is a website called Ecosystem that provides the features that can help connect you with your neighbours and make living together in an apartment easier. It is based on the concept of the facebook group iiitb-lounge as it allows you to do most of the things that the group does, meaning you can create posts informing your neighbours about anything, you can use the events page to view any upcoming events announced by your neighbours, you can take their opinions by taking a poll, you can search the activities of your neighbours by just entering their house number and finally you can report any found item.

TECHNOLOGY USED:

1. Flask
2. HTML
3. CSS
4. Bootstrap
5. sqlite

HOW CAN YOU USE MY WEBSITE?

The website is currently a local host website. Once you go to the website it displays the intro page that tells you a little about what Ecosystem is and also shows you the options for all the other pages. You need to register as a user before you can post anything to the database.

I have created two dummy users that can be used to login to the website.

1. Username = username1
Name = Name1
Apartment Number = 100
Password = Password

2. Username = username2
Name = Name2
Apartment Number = 101
Password = Password

But new users can always register and login to the website

Once logged in you can view a few new options these options are only visible once logged in.

When you shift to the Announcements page you can see the list of all the posts that the other neighbours have posted. For some posts you can see that the name and house number is clearly mentioned but for some others it just says posted by anonymous because this website allows you to post stuff anonymously but the user can be tracked if necessary if they are using the anonymity feature in an inappropriate way. You can see a link called Update above the Content heading. If you click on this, you will be redirected to the page displaying the contents of that particular post and the option to update/delete the post. You can only update/delete the post if you are the author of the post.

I have also created a user known as Apartment-Admin who can delete posts but still can't update them.

If you are the author of a particular post and choose to update it then you will shown a form similar to the create post form and you can update it. After posting non-anonymously if you wish to go anonymous you can update it there and you can also do it the other way around. The user can delete the post as well. If you aren't logged in and you click on the update link, it will redirect you to the login page and after you log in you can view the update page

Username of apartment-admin : admin
Password : admin@123

When you shift to the Upcoming Events page, you can see the list of events. When you click on the date link, if you are the author you can update or cancel the event.

Running polls let you view and vote in the polls that are currently running. I have designed the polls for around 45 votes and hence the polls will close after getting 45 votes and will display the winning option. The polls are completely anonymous and no one will find out who voted for what.

Found items lists the unidentified items that have been found and the user can check if they belonged to them and if the user finds any such item they will have the option to report it to the website.

In the 'new' page(visible only if logged in) the user can create new posts, events and polls. To create posts anonymously the author has to check the Go Anonymous option and his/her details will not be displayed.

The 'search' page allows you to view the activities of a user by just entering the apartment number of that user which is unique. But the search feature respects anonymity and will not display the posts that the author has put anonymously

Clicking on the Account page will display your username, name and apartment number.

IMPROVEMENTS I WISH TO MAKE:

In the lost and found page I tried to put the feature of adding an image but I couldn't do it so I want to work on that feature.

I also want to give the option for updating username and password.

I wish to make the UI more appealing and less clunky

EXPERIENCE :

I learnt a lot of things while making this project including how to not break my laptop when I see the ugly Jinja error that makes no sense for the 15th time :)

This was the first project for which I used git, so I learnt the basics of version control of git.

More importantly I learnt how much fun development is and about the satisfaction of watching something you developed work well.