

PROJECT REPORT FOR ZENSE

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1. Problem Faced

In all apartments, a certain degree of communication and connection is required between all the residents. In my apartment and a few others that I've seen that usually there is one Whatsapp group that everybody is on and in that also the useful messages are lost among the happy birthdays and other conversations between two people that happen in the group instead of in their private chat. Most people just mute these groups and ignore most messages because they rightly feel that a lot of group messages are useless. A lot of media sent in the group gets downloaded in their phone thus taking up memory.

2. Project Idea

I thought it would be better to have an app that keeps all the activity segregated for the users to easily access them and this website will ensure that the users will only see announcements, events, etc that their neighbours wanted everyone in the apartment to know, also their phones will not be buzzing with useless messages as they will see them only when they launch the app. The user need not know who has put up something as the app will tell them. The app should also allow the user to post something anonymously which is impossible in a conventional Whatsapp group. Useless media will not be downloaded as it can be viewed in the app.

3. Technologies Used In This Project

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

4. Progress of the project

This project has achieved a fairly good progress, a lot of the features which I wished to implement are there. You can do all the core functionalities like write announcements or posts, announce events, create and vote in polls. Additionally the user can now search for user activity, can update or delete posts, vote and post anonymously, and I also have created an admin user who has the power to delete posts. I also thought a separate section for found items would be more useful. I have designed the polls such that they will work for around 10 users(this number is just because it will be easier to test, it can be changed very easily).

5. Important Note

The website is currently a local host website. Once the server is running enter localhost:5000 in the address bar and press enter to view my project.

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

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

Username of Apartment Admin : admin

Password : admin@123

6. Future Prospects

I want to improve certain functionalities like the found items feature will be a lot more useful if you can upload and view pictures in it. I have tried to do that but did not have the time. I also want to let the user change his/her username and password. I want to better the UI, make it a little smoother.

I would like to develop this project further by making it a mobile app as it will increase ease of use, but the project must still retain the benefits offered by a website such as no notifications and conservation of memory. When this project grows big enough then I would like to push it to Heroku.

7. What I Learnt During This Project

1. 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 :)

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

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

References

In making this project the best resources one can find is Google. There are so many tutorials on youtube. Stackoverflow was also hugely helpful in debugging errors that make no sense. Additionally this idea was also inspired from IIITB-lounge and confessions page as you can see my website provides many of the features that the groups provide