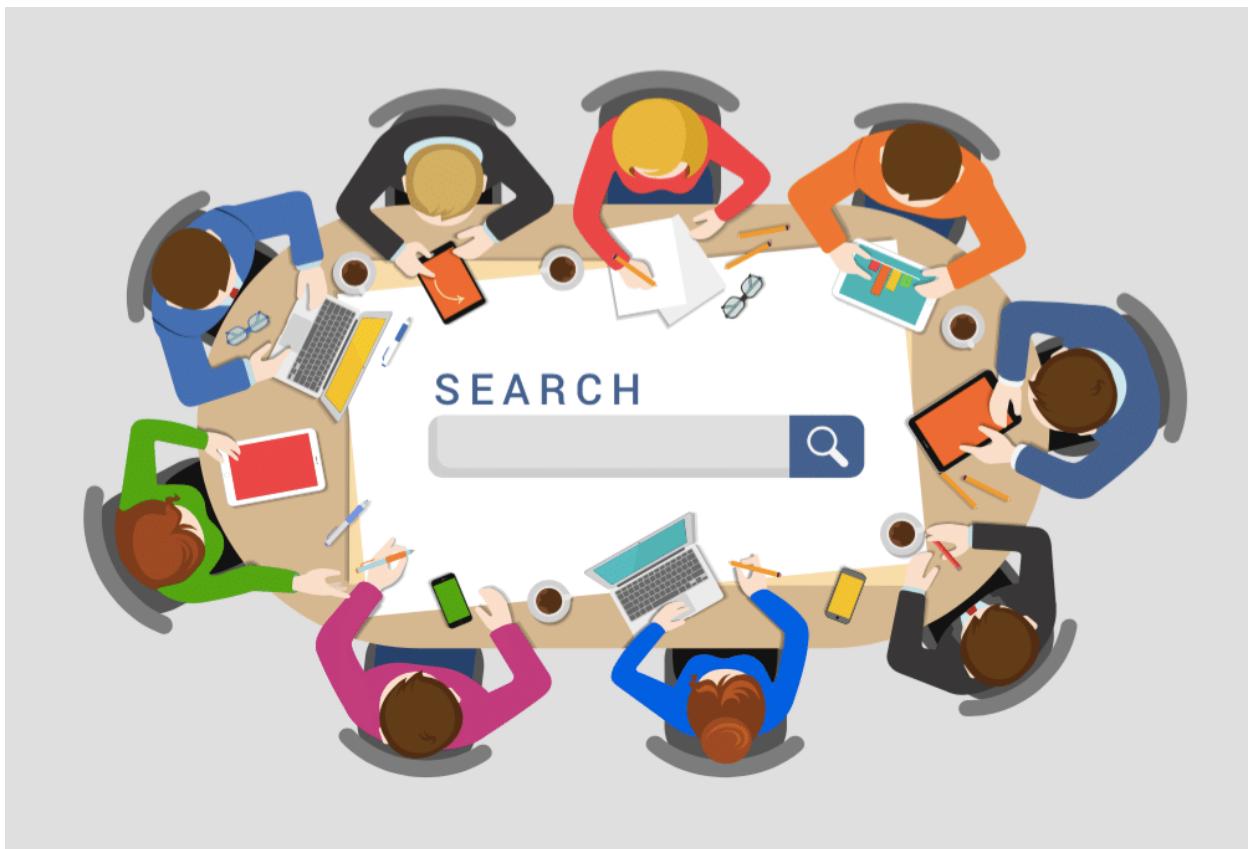


TCRC

# STAFF COLLABORATION PORTAL

## PROJECT DOCUMENTATION (JULY 2023)

By Lobsang Norbu Jamling (intern July 2023)



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# Introduction

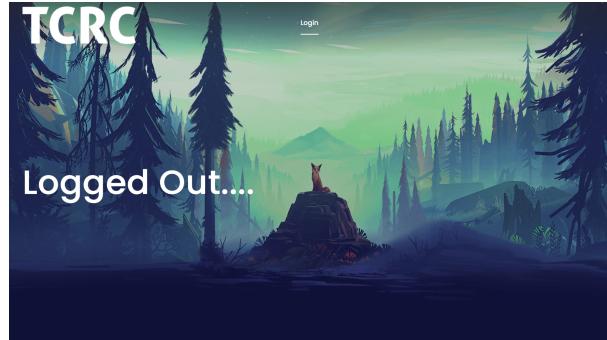
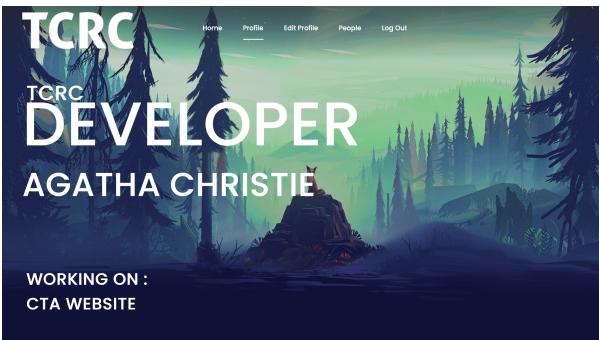
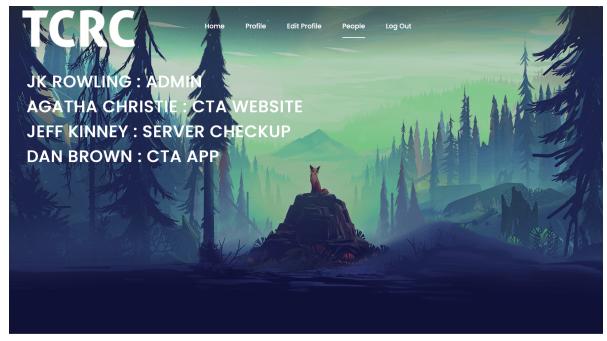
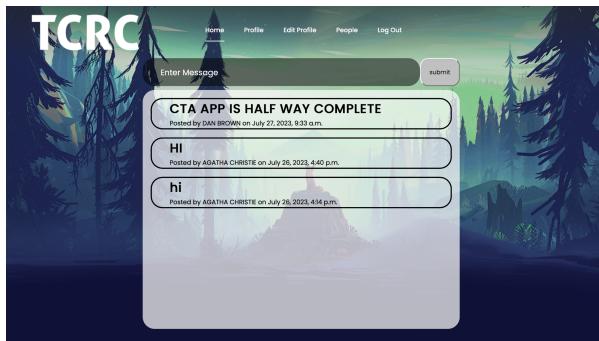
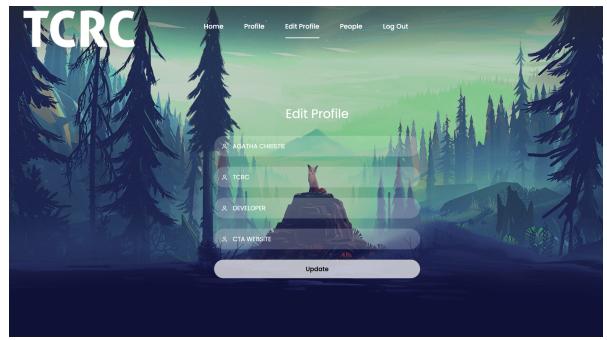
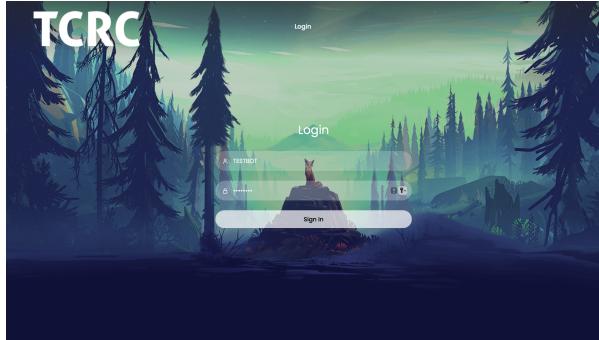
When the team grows big and where developers keep changing, project meetings and oral communication needs to be backed up with a more scalable and permanent solution. This calls for a digital collaboration platform.

The Staff Collaboration Portal is a web application protected by a login system. It provides a stage to make important notice, post project status, etc. in the home page announcement box. Users can continuously update their profile- current project they are working on, etc. They can view what the rest of the group are working on as well.

## **Features of the project:**

- Login protection
- Make Announcements
- update what you are working on
- View what others are working on

# view



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# Technicalities

Programming language used: Python version 3.11.4

Library (web-framework): Django version 4.2.3

Code Editor: Visual Studio Code version 1.80

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# Details

Passing on a django project is a simple task thanks to its comprehensive file structure- apps, views, urls, templates, models, forms, etc.

## Project has 2 django apps:

- Home- for the home page posting
- Accounts- for all of the other things -login, profile edit, logout

## Table Structures: (Default sqlite3 DataBase)

- Default Django User
- One Table in accounts

```
class UserProfile(models.Model):
    userID=models.OneToOneField(User , on_delete=models.CASCADE)
    name = models.CharField(max_length=121)
    department = models.CharField(max_length=120, default=' ')
    role = models.CharField(max_length=120, default=' ')
    current_project =  models.CharField(max_length=120, default=' ')
```

- One Table in home

```
class Post(models.Model):
    post=models.CharField( max_length=500)
    user=models.ForeignKey(User, on_delete=models.CASCADE)
    created=models.DateTimeField(auto_now_add=True)
```

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## **HTML:**

- Boxicon icons are used.

Link- <https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css>

## **CSS:**

- External font used.

Link-<https://fonts.googleapis.com/css2?family=Poppins:wght@400;500&display=swap>

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# Future Scope

## **Project future scope:**

- A separate functionality page for admins/managers. Currently it uses the default django admin.
- Separate chat rooms for smaller teams.
- A separate Projects table in DataBase
- Previous projects undertaken by a developer
- Making the website suitable for all screen sizes. Currently it is tailored for desktops.

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# Side Notes

- Using a virtual environment is not mandatory but a good practice so that django configuration of one project does not spill over others.
- Currently the website design is for desktops. For other screen sizes the website may not look proportionate.
- All CSS styling code is in one document.
- Settings have not been optimized for production.

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# Acknowledgement

I wish to express my sincere gratitude to Mr. Tenzin Tsultrim, TCRC Director for providing me an opportunity to do my internship and project work in Tibetan Computer Resource Centre(TCRC) , Central Tibetan Administration(CTA).

I sincerely thank Mr. Rinzin, developer for mentoring me during my internship and guiding me on this project.

I also wish to express my gratitude to the officials and staff members of TCRC for rendering their help during the period of my project work.

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## Contact

If there is any query regarding the documentation or in the code itself feel free to contact me below.

Mail- [Norbujamling@gmail.com](mailto:Norbujamling@gmail.com)

Phone- 9560102708