



# Indian Institute of Technology, Bombay



## **STUDY-MATE** CS699 Project

Shantanu Mapari(22m0796)  
Swamil Jain(22m0769)

Guided by : Prof Bhaskaran Raman



# Contents

---

1. Introduction
2. Technologies Used
3. What did we achieved
4. Possible Future Work Pending
5. High level documentation of directories, files , main libraries
6. Compilation and running instructions

# Introduction

---

Studymate is a discussion forum app where students can have conversations in the form of posts in the discussion room.

They can create groups of various topics and create rooms in the topics.

So it makes easy for a student to see various topics and post their doubts in the room. They can track the activities of the other students and view their profile.

# Technologies used

---

## 1. Python / Django

- a. Django is high level python based web framework which supports Model Template View architecture. It helps to do rapid and clean development of web app

## 2. PostgreSQL:

- a. PostgreSQL is object relational database system.
- b. Being very robust it gives good support for Django ORM(object relational mapping).

## 3. HTML/CSS Bootstrap:

- a. HTML/CSS Bootstrap is used for frontend development of the project.

## 4. git/github:

- a. Git is used for version control management and github is used for repository.

# What did we achieved

---

There are various functional aspects of the project.

## USER AUTHENTICATION

1. User Registration :
  - a. User has to register first to join the forum.
  - b. We have used Django User model for registration
2. User Login
  - a. User has to first login to use the functionalities of the app.
  - b. Login is done with the help of django authentication system
3. User can update its profile
  - a. Update the details of the user and can add profile pic , bio etc.
4. User can reset its password

# contd.

---

- User can create and view various topics.
- User can create ,view, update, delete rooms.
  - Can delete and update only the rooms for the user is owner
- User can create, view, delete comments in a room.
  - Can delete only the comments entered by the user
- User can Search particular topics.
- User can get rooms on the basis of topics.
- User can search particular room.
- User can like post and comment in the room
- User can view recent activities of other users

# contd.

---

- User can search for other users
- User can view profile of other users
- User can follow other users

# Possible Future Work Pending

---

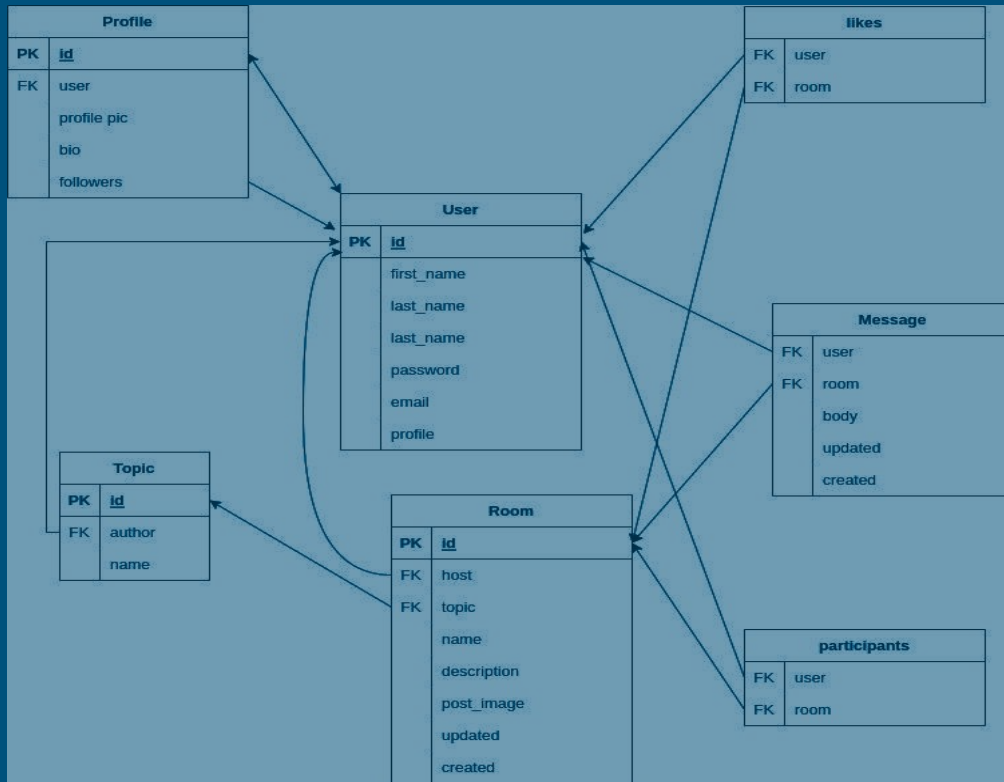
- Can implement chat feature
- Can implement friend requests
- Can implement admin authorisation
- Can see which users are online



# High level Documentation of directories and main

```
.
├── StudyMate/
│   ├── base/
│   │   ├── admin.py
│   │   ├── apps.py
│   │   ├── forms.py
│   │   ├── models.py
│   │   ├── urls.py
│   │   ├── views.py
│   │   └── templates/
│   │       └── htmlfiles
│   ├── Studymate/
│   │   ├── settings.py
│   │   └── urls.py
│   ├── Templates/
│   │   └── html_files
│   ├── static/
│   │   └── css_files
│   └── media/
│       └── media_files
```

- **admin.py** : representations of models in admin interface
- **forms.py** : used to create model forms
- **views.py** : contains the logic and functions for the project
- **urls.py** : contains url mapping between views and user request
- **settings.py**: contains setup for the project



# Compilation and Running Instructions

---

1. Git clone repository
  - git clone [https://github.com/ShantanuMapari17/CS699\\_StudyMate.git](https://github.com/ShantanuMapari17/CS699_StudyMate.git)
2. Unzip and install dependencies
  - pip install -r requirements.txt
3. Navigate to StudyMate directory and Run application
  - python manage.py runserver