# Implementation Details:

## Technology and Tools:

### Technologies for the backend

* Flask
* Flask Restful (For creating API endpoints)
* Mailhog
* Redis
* Docker
* **Gchat webhook:**

### Technologies for the frontend

* + Vue 3 CLI
  + JavaScript
  + Vue Router

### Project-code management:

* + GitHub (for versioning, code management, tracking, reviewing,issues, etc.)
  + Trello (for project management)

### Collaboration:

* + Google meet for discussion, review meetings
  + Whats app for communication

**● Hosting: \*\*\*\*\*place holder\*\*\*\*\*\***

# Instructions to run the application

There are two major parts to the entire system.

1. Ticketing application
2. Discourse system

The application includes a bridge between the two above mentioned systems.

## **Instructions to run the ticketing app-beckend:**

* Git clone the repository.

Git clone “repo url”

* Change the directory to the “backend” directory inside the
* “Milestone-6-Final-Submission” directory using the command :

cd ./Milestone-6-Final-Submission/Code/backend

* Create a Python virtual environment using the command:

python3 -m venv “<<Name of the virtual environment”>>

* Activate the virtual environment using the command:

source <<Name of the virtual environment>>/bin/activate

* Install the requirements using the command :

sh local\_setup.sh

* Run the command to start the app

Python3 app.py

## **Instructions to run the ticketing app-front end:**

* Clone the repository using the below command:
  + **git clone “url”**
* **change the directory**

cd ./Milestone-6-Final-Submission/Code/frontend

* **install dependencies using npm**

npm install

* **run the command to deploy the app**

npm run serve

## **Instructions to run the discourse:**

### Pre-requisite:

Docker and docker compose

Pls refer to the link for instructions on docker installation:

<https://docs.docker.com/engine/install/>

change the directory to the Discourse-Docker

run the below command to initiate the container

docker compose up

After the containers are up. Discourse wil be available at http://localhost:4200

**\*\*Create an admin user for Discourse:\*\***

Start a new terminal and run the below command

docker exec -it discourse-docker-discourse-1 /bin/bash

bin/rails admin:create