**FlashChat**

**(A Basic Python based Chatting Web Application)**

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**Description**

FlashChat is a chat application that allows users to send messages over the server to other users by creating a chat room.

**Libraries and Languages Used**

1. Flask (Python library for web application developement)
2. Socket.io (another Python library for creating networks between clients and servers)
3. flask\_socketio
4. eventlet
5. HTML
6. CSS
7. Bootstrap
8. Javascript

**Describing the Libraries**

Socket.IO is a transport protocol that enables real time bidirectional event-based communication between clients and a server.

Flask is a micro web framework written in python. It is classified as a micro-framework because it does not require particular tools or libraries.

flask\_socketio is the Socket.IO integration for Flask applications. It is built over python-socketio which provides Python implementations of a Socket.IO client and server.

eventlet is a concurrent networking library for python that allows you to change how you run your code and not how you write it.

**Working**

The Home Page asks you to sign up for the chat application by entering your username and room id which you want to join .

After signing up you are taken to the Chat page where you can chat with other users who have joined your room.

To leave the chat room you simply need to close the chat window.