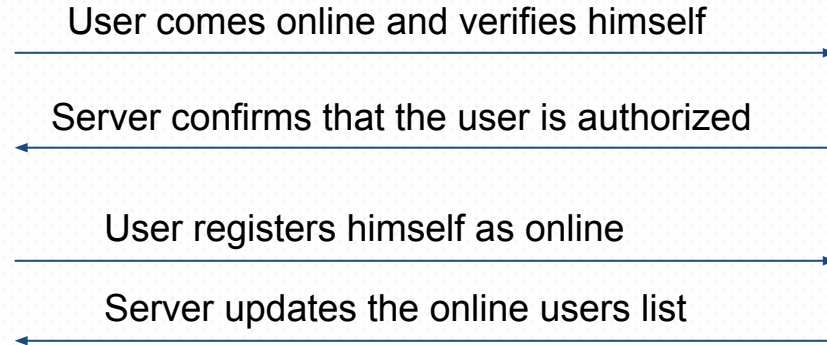# Angular - Socket Service

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We will cover with the following concepts

1) Writing our socket service

2) Registering the listeners and creating observables

3) Creating the chat component - Show online users and missed chats

How our chat backend works

User comes online and verifies himself

Server confirms that the user is authorized

User registers himself as online

Server updates the online users list

https://chatapi.edwisor.com/eventDoc/

Some Events have to be listened,
Some have to be emitted

For emitting the events, we will simply use the emit command of Socket.IO

For listening to the event, We will create an Observables, then listen to the event in that observable and whenever we receive any data through the event, we will update the observable, so that it can further inform all its subscribers that something new has come up.

Let's complete the left hand side functionalities

1) Authentication and Authorization

2) Getting the online user and setting him/her online

3) Showing the list of all online users

The next steps are ...

Sending and receiving chat messages.