This is a **real time application**, demonstrate you that how **two way (bidirectional) communication** happened using **websocket** technology, as http protocol can handle only single way (single TCP connection) communication.

**This project is divided in to 3 parts/projects to understand.**

(1). Frontend.

(2). Messaging.

(3). Webservice.

**What each project contains?**

(1). Frontend is part where all UI related things are residing.

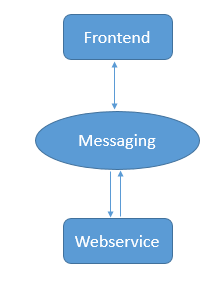
Technology used in: - Angular5, Socket-Client.

(2). Messaging act as an intermediate between Frontend and Webservice.

Technology used in: - Node.Js, Express.Js, and Socket.io

(3). Webservice, Is simple REST APIs.

Technology used in: - PHP, MySQL and Apache2.



**What u can lean in this POC is:-**

Note: Whole communication is happened over websocket only, No HTTP protocol is used.

**Base**

* Angular reactive form validation.
* Validation on Image by Size, Extension, and MIME Type (Advanced).
* Ng-Routes.
* Ngrx-Bootstrap.
* Event-Emitter.
* Subscriber.
* Observable.
* Angular Service.
* Modular components.

**Main Features**

* User login.
* Signup.
* Manage logged-in user session.
* Auto login.
* Check real time user status, whether user is Active/Inactive.
* Last seen.
* One on one Chat. (Upcoming).
* Group chat. (Upcoming).