//<https://medium.com/@shamique/simple-chat-application-using-ionic-and-socket-io-82d9b4605cc3>

created folder any where

mkdir chat-server

cd chat-server

npm init

When it prompt to give parameters, provide value accordingly.

name: (chat-server)

version: (1.0.0)

description: Ionic chat application

entry point: (index.js) server.js

test command: node server.js

git repository:

keywords:

author: shamique

license : (ISC) MIT

Once you done with configuration, type “yes” when it prompt.

Now will add socket.io to our node server. Run below command to install socket.io,

npm install socket.io --save

**Start the server**

**node index.js**

**Now will install socket.io in our ionic app.**

**npm install socket.io-client --save**

Create a index.js

Index.js

var socket = require('socket.io'),

http = require('http'),

server = http.createServer(),

socket = socket.listen(server);

socket.on('connection', function(connection) {

console.log('User Connected');

connection.on('set-nickname', (nickname) => {

connection.nickname = nickname;

socket.emit('set-nickname', {user: nickname, event: 'joined'});

console.log("nickname",connection.nickname);

});

connection.on('add-message', function(message){

socket.emit('add-message', {text: message.text,userSessionID:message.userSessionID, from: connection.nickname, created: new Date()});

console.log("add-message-server",{text: message.text, from: connection.nickname, created: new Date()});

});

connection.on('disconnect', function(){

socket.emit('users-changed', "dicconnet");

console.log("msgdicconnet","dicconnet");

});

});

server.listen(3001, function(){

console.log('Server started');

});

**IN Home.ts**

**import { Component } from '@angular/core';**

**import \* as io from 'socket.io-client';**

**@Component({**

**selector: 'app-home',**

**templateUrl: 'home.page.html',**

**styleUrls: ['home.page.scss'],**

**})**

**export class HomePage {**

**//https://medium.com/@shamique/simple-chat-application-using-ionic-and-socket-io-82d9b4605cc3**

**socket:any**

**public myUserId: string;**

**chats = [];**

**chat\_input:string;**

**constructor(**

**) {**

**if(this.myUserId==null){**

**this.myUserId=Date.now().toString();**

**}**

**this.socket=io('http://localhost:3001');**

**this.socket.emit('set-nickname', "User1");**

**this.Receive();**

**}**

**send(msg) {**

**if(msg != ''){**

**let saltedMsg = { text : msg , userSessionID:this.myUserId };**

**this.socket.emit('add-message', saltedMsg);**

**}**

**this.chat\_input = '';**

**}**

**Receive(){**

**this.socket.on('add-message', (msg) => {**

**let saletdMsgArr=msg;**

**console.log("saletdMsgArr",saletdMsgArr);**

**var item = {};**

**if(saletdMsgArr.userSessionID == this.myUserId){**

**item = {"styleClass": "chat-message right", "msgStr": saletdMsgArr.text};**

**}**

**else{**

**item = {"styleClass": "chat-message left", "msgStr": saletdMsgArr.text};**

**}**

**this.chats.push(item);**

**});**

**}**

**}**

**IN Home.html**

**<ion-header>**

**<ion-toolbar>**

**<ion-title>**

**Ionic Blank**

**</ion-title>**

**</ion-toolbar>**

**</ion-header>**

**<ion-content padding>**

**<div \*ngFor="let message of chats">**

**<div [ngClass]="message.styleClass">**

**<div class="message-detail">**

**{{message.msgStr}}**

**</div>**

**</div>**

**</div>**

**</ion-content>**

**<ion-footer>**

**<ion-item>**

**<ion-input type="text" [(ngModel)]="chat\_input" placeholder="Enter message"></ion-input>**

**<ion-icon name="md-send" (click)="send(chat\_input)" item-right></ion-icon>**

**</ion-item>**

**</ion-footer>**

**IN Home.scss**

**.toolbar-background {**

**background-color: #30adde;**

**}**

**.toolbar-title-md {**

**padding: 0 12px;**

**font-size: 2rem;**

**font-weight: 500;**

**color: #ffffff;**

**}**

**.chat-message {**

**border-radius: 5px;**

**display: inline-block;**

**padding: 10px 18px;**

**position: relative;**

**margin: 10px;**

**max-width: 80%;**

**}**

**.chat-message:before {**

**content: "\00a0";**

**display: block;**

**height: 16px;**

**width: 9px;**

**position: absolute;**

**bottom: -7.5px;**

**}**

**.chat-message.right {**

**background-color: #488aff;**

**color: #fff;**

**float: right;**

**}**

**.chat-message.right:before {**

**background-color: #488aff;**

**right: 10px;**

**-webkit-transform: rotate(118deg) skew(-5deg);**

**transform: rotate(118deg) skew(-5deg);**

**}**

**.chat-message.left {**

**background-color: #e6e5eb;**

**float: left;**

**}**

**.chat-message.left:before {**

**background-color: #e6e5eb;**

**left: 10px;**

**-webkit-transform: rotate(70deg) skew(5deg);**

**transform: rotate(70deg) skew(5deg);**

**}**