What’s App Chat Clone – An Ionic ,Socket.io and Nodejs Full Hybrid App .

This application has every thing what you need in IONIC App , this app is NOT a template nor a basic component , this is full fledge APP with tons of component integration along with socket.io and has every thing what you need . This app is a SUPER SET of all hybrid apps found on market .

Below are some of the pointers on why to buy this app .

1. It consist of 100% source code for IONIC and also Node.js and Mongodb also CouchDb for storing contacts.
2. This uses sql-lite plugins to store chat messages.
3. Support Offline chat also this messages are stored in Mongodb.
4. Native Facebook Integration code is written for registration.
5. Phone number validation against country is been implemented in the code ( ex: if you select Australia then your mobile number is in 9 digit , where as if you select India then your mobile number should be 10 digit )
6. Contact syncing with server is been implemented using CouchDB & PouchDB and is been tested with about 10,000 contact’s .
7. Local push message integration.
8. Webservices are written with Node.js & also Socket.io is implemented for sending one –to one message.
9. UI/UX are SAAS based and coded with IONIC Framework.
10. HTTP Calls are implemented using Native Plugin’s .

What’sapp , A very familiar chat engine code is cloned here with robust server side technology socket.io ,Nodejs and MongoDB as database and with same architure as followed by Original Whats app . This code is no where found any where on market with this robust architure and is only available to CODE CAYNON users at very good price. Also this code is tested on iOS & Andriod platform. (This supports window’s as well but we have not tested on any window’s device yet.)

This is a beautiful chat app implemented using Ionic Framework material design concept as front end along with powerful Socket.io , Node.js as API Layer shipped with Mongo Database as backend. Ionic Framework is open source front end SDK for developing awesome hybrid mobile apps with HTML5, CSS and Javascript and we have spent quality time and high attention to details on this project to achieve native look with almost and with great performance achieved compare to native.

The app uses SASS, which is CSS with super powers. Each component has its own sass files and partials well structured with independent variables to get maximum modularity, flexibility and customizability.

Tutorials

You can install ionic by just running few command as specified at below link

www.ionicframework.com/getting-started/

Tutorials can be viewed at

https://ionicthemes.com/learn.

Using these great resources you can get the most out of Ionic.

Features:

1. Whats app clone with PhoneGap / Cordova Full Hybrid App using AngularJS + Ionic framework which is open source front-end SDK for developing hybrid mobile apps with HTML5.

2. Login with Facebook using Facebook plugin.

3. Support all countries and phone number validation’s implemented for every country (Example US based phone number are 10 digit where as Australia’s phone number are 9 digit etc.)

4. Contact syncing same as What’s App where we validate all phone book contacts with the one who has installed whats app ( against node.js API layer) and option to chat with them.

5. Direct socket chat with private messaging feature similar to whats app .

6. Added “Typing…” Features where a user get notified when other user is typing a message to them.

7. Shipped with entire Socket.io backend layers with required connection handling and handshaking mechanism.

8. Integrated with Node.JS JSON Api coded using sailjs.org framework and robust Mongo database integrated hence easy to scale if app goes to millions of users.

9. Customized Material Design based Edit Profile screen and option to change avatars and status message’s.

What will you get ?

1. A 100% white labeled clone code of What’s App with Ionic Framework based Front end and server side Socket.io component + Node.JS API Layer along with Mongo Database.
2. Layered PSD’s
3. Documentation on how to set up and reskin.

Hosting : A Basic hosting ( recommend with 1 GB Ram or above ) cloud hosting with ssh connectivity will get this app running as server component is very light-weight and data exchange are optimized to text for better performance .

Recommended hosting

1. Digital Ocean ( [www.digitalocean.com](http://www.digitalocean.com) )
2. Linod (<https://www.linode.com> )
3. Heroku (https://www.heroku.com/ )

Server set up :

1. Install ubutunu server on any of the hosting cloud you buy .
2. Installing prerequesties
   1. sudo apt-get install python-software-properties python g++ make
   2. If you are using Ubuntu 12.10, you will need to do the following as well: sudo apt-get install software-properties-common
   3. Add the PPA Repository, which is recommended by Joyent (the

maintainers of Node.js):

sudo add-apt-repository ppa:chris-lea/node.js

* 1. Update the package list: sudo apt-get update
  2. Install Node.js: sudo apt-get install nodejs
  3. Installing Sails.js - sudo npm install sails –g
  4. Upload sails folder at /var/www/%your project name%
  5. Upload socket folder at /var/www/%socketfoldername%

1. To install socket.io follow below steps
   1. Set up Express.io npm install -g express

This will install the Express command line tool, which will aid in creating a basic web application. Once you have Express installed, follow these steps to create an empty Express project:

mkdir socketio-test

cd socketio-test

express

npm install

* 1. These commands will create an empty Express project in the directory we just created socketio-test. We then run npm install to get all the dependencies that are needed to run the app. To test the empty application, run node app then navigate your browser to http://yourDropletIp-or-domainName:3000. You should get a simple welcome message saying: "Welcome to Express".

1. To install Socket server and Sailjs thread running in background we use PM2 server by typing below command

sudo npm install pm2 -g

1. Then start both the procress using pm2

Type cd “/var/www/%your project name% “

Type pm2 app.js

Again type “at /var/www/%socketfoldername%”

Type pm2 app.js

1. A very easy mongo Database installation :
2. type sudo nano “mongo\_install.bash“
3. Copy paste below lines

apt-key adv --keyserver keyserver.ubuntu.com --recv 7F0CEB10

echo "deb http://downloads-distro.mongodb.org/repo/ubuntu-upstart dist 10gen" | tee -a /etc/apt/sources.list.d/10gen.list

apt-get -y update

apt-get -y install mongodb-10gen

Type : sudo bash ./mongo\_install.bash

If everything is successful, you should see the output contain a PID of the newly started MongoDB process:

mongodb start/running, process 2368

That’s it .

**Changes required in Ionic Project**

Open www->Js->Socket.io->Services->socket.js. Type your ip address in this file append with port 3000 and then run the Ionic app on iOS or android and start chatting.