**Modeso Assignment**

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1-Used Technologies and Patterns:

* RestFul APIs Using Node js and mongo db.
* Angular Js, Html and Css for Front End.
* Socket.i.o for real time feature.
* Repository pattern for db queries.
* MVC For Code Structure and encapsulate login in service layer..
* PostMan For Testing APIs , you can find the collection in this link:

<https://www.getpostman.com/collections/1a09ef5fdd0b9e81b0ee>

* Back End Libraries like (express js, multur,mongoose,socket.i.o).

2-GitHub Link:

-you can find the source code on this link: <https://github.com/ShymaaIsmail/chatWebApp>

3-Refrences:

**BackEnd References:**

1-https://www.codementor.io/olatundegaruba/nodejs-restful-apis-in-10-minutes-q0sgsfhbd

2- https://medium.freecodecamp.org/building-a-chat-application-with-mean-stack-637254d1136d

3-https://stackoverflow.com/questions/34690356/folder-structure-for-angular-js-and-node-js-app

4-https://scotch.io/tutorials/node-and-angular-to-do-app-application-organization-and-structure#application-structure

5-https://strongloop.com/strongblog/modular-node-js-express/

6-https://github.com/strongloop-community/express-example-modular

7-https://www.npmjs.com/package/mongoose-repository-pattern

8-https://martinfowler.com/eaaCatalog/repository.html

9-https://www.callicoder.com/node-js-express-mongodb-restful-crud-api-tutorial/

10-https://stackoverflow.com/questions/10615182/repository-like-pattern-with-node-and-mongoose

11-https://www.npmjs.com/package/mongoose-repository-pattern

12-https://www.sitepoint.com/understanding-module-exports-exports-node-js/

14-https://stackoverflow.com/questions/3305561/how-to-query-mongodb-with-like

15-https://stackoverflow.com/questions/33568979/mongoose-schema-field-names-and-types-with-subdocs

16-https://stackoverflow.com/questions/27046456/how-to-fetch-images-from-node-js-servers-folder-in-url

17-https://npm.runkit.com/mongoose-repository-pattern

18-https://www.npmjs.com/package/dto

19-https://docs.mongodb.com/ecosystem/use-cases/storing-comments/

20-http://khainx.com/project-typescript-nodejs-mongodb-part-2/

**RealTime Refrences:**

1-https://loopback.io/doc/en/lb3/Realtime-socket-io.html#writing-publish-and-subscribe-module

2-https://stackoverflow.com/questions/25000275/socket-io-error-hooking-into-express-js

3-https://github.com/felixrieseberg/windows-build-tools

4-https://stackoverflow.com/questions/27393705/socketio-get-http-localhost3000-socket-io-eio-3transport-pollingt-1418187

5-Main Refrence: https://scotch.io/@gitedy/simple-socketio-using-node-js-and-angular-js

**Front End Refrences:**

1-http://nicesnippets.com/live/message-chat-system-template-design-using-html-css-demo.html

2-http://angularjs.chat/tutorials/angularjs-basic-chat-module/

3-https://bootdey.com/snippets/view/messages-chat-with-tabs#html

4-https://codepen.io/anon/pen/QQJeYm

5-http://astronautweb.co/snippet/font-awesome/

6-https://scotch.io/tutorials/angular-routing-using-ui-router

7-http://jasonwatmore.com/post/2015/03/10/angularjs-user-registration-and-login-example-tutorial

8-https://ciphertrick.com/2015/12/07/file-upload-with-angularjs-and-nodejs/

9- File Upload:

https://ciphertrick.com/2015/12/07/file-upload-with-angularjs-and-nodejs/

10- File Upload:

https://github.com/rahil471/file-upload-with-angularjs-and-nodejs

11-https://stackoverflow.com/questions/9983031/expressjs-not-recognizing-static-files

12-scoll:

http://plnkr.co/edit/wxTyp7PpyxJOHSlUumVC?p=preview

13-scroll:

https://stackoverflow.com/questions/9707397/making-a-div-vertically-scrollable-using-css

14-Notification Design: http://bootstrap-notify.remabledesigns.com/