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|  | HIREVALLEY |
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| 5/16/2020 | Developer documentation |
|  | Mail module and chat module |

HIREVALLEY

Requirements:

Nodejs LTS or any nodejs stable realease which is greater than version 10.

MongoDB and any GUI software like Robo3T or mongo compass.

Installation steps of node\_modules :

1. Open a command prompt or a terminal inside the workspace.

Type the below command inside the terminal or cmd prompt

* npm install

1. Navigate to front-end directory by typing the below command.

* cd front-end

1. Type the below command inside the terminal or cmd prompt inside front-end directory.

* npm install

1. Navigate back to the main directory or to previous directory.

* cd ..

1. To insert initial data inside mongoDB, type the below command inside the terminal or prompt, select the initial migration file by selecting space and press enter to save the initial data to the mongoDB collection. Change the mongoDB connection string from scripts inside package.json if required.

* npm run-script db\_migrate

1. Run “npm start” command from the terminal or the shell.

Project Structure:

1. The root directory has the nodejs server source code.
2. The front-end directory contains the UI or the angular source code.
3. The **‘index.js’** file is the main entry point of the nodejs server.
4. The **‘server.js’** file contains the express server. The default port is 2000 and has ‘**PORT**’ environment variable.
5. The directory ‘chat-module’ contains **‘socketEvents.js’**. This file contains the socket.io events.
6. The ‘**appConfig.js**’ file contains the configuration parameters for email servers, which is POP3 for sending the emails and IMAP for receiving the emails.
7. The **db-config** directory contains the MongoDB server configuration file that uses an environment variable ‘**MONGODB\_URI**’. By default it points to localhost server.
8. The other directory other than ‘front-end’ contains the source code of nodejs.
9. The **‘email-attachments’** directory stores the files which are uploaded by the email, it contains **inbox** and **sent** directory.
10. The **‘front-end’** directory contains the source code of angular 9.
11. The **‘api docs.md’** file contains the **RESTFUL API documentation** which is developed using node and express.

Node dependencies used for server.

* Express
* Mongoose
* Nodemailer
* Socket.io
* Multer
* mail-listener5
* bcrypt
* cors
* helmet

Node dependencies used for front-end or Angular 9

* Ngx-socket-io
* Angular material
* Ngx-bootstrap