**Documentation on how to run the server**

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Currently, the master branch contains a working MVP that is ready for the first snapshot week. “Dist” file that is necessary to run the server on EC2 is already up.

**Running the web project on a local machine**

1. A working copy is in the master branch. You could easily clone it to your local machine.
2. After cloning the master branch, you would need to have node\_modules.
   1. First, install Node.js from <https://nodejs.org/en/>.
   2. After downloading and installing Node.js, you could confirm that Node.js and npm are installed by running,

$ node –v

$ npm –v

* 1. These commands should give you v8.9.4 for node and v5.6.0 ( for the current development environment ).

1. Once you have your npm and Node.js set up on your local machine, please go to ‘umbuy\project\umbuy\web>’ directory where you could see ‘package.json’.
2. Run ‘$ npm install’ to install the necessary files such as node\_modules which contain ‘express’, ‘mysql’, ‘aws-sdk’ and etc.
3. You can now get MySQL database ready by referring to how\_to\_setup\_database\_locally.docx.
4. If you have successfully installed everything, you should be able to run the server on localhost:4200 by now.
   1. You could run the following command to easily run the project on localhost. Please make sure you run this command on ‘umbuy\project\umbuy\web’ directory.

$ npm run localhost $username $password

Replace $username and $password with your username and password you use to login into your local database on your machine

* 1. You can run Karma testing by running,

$ ng test

* 1. Refer to how\_to\_setup\_tests\_on\_local\_machine.docx to setup your machine for system tests and then you can run e2e testing (system tests) by running,

3) $ npm run systemTests $username $password

Replace $username and $password with your username and password you use to login into your local database on your machine

* 1. You can build your own dist file by running,

$ ng build –prod

**Running Android Project on your local machine**

1. In order to run the android project, you will need to clone the GitHub project and open it in Android Studio. (Note the android project is under [project](https://github.com/AraiYuno/umbuy/tree/master/project)/[umbuy](https://github.com/AraiYuno/umbuy/tree/master/project/umbuy)/[mobile](https://github.com/AraiYuno/umbuy/tree/master/project/umbuy/mobile))
2. Build the project using Android Studio and run it with emulator. Then you are good to go.