NODE JS ANGULAR2 RxJS(Observable), MONGO DB

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| --- | --- |
| * Promise return one piece data in one data and work perfectly. * Observable return multiple data on one time and that’s modern way to communicate to server. |  |
| Observer can be use if you have multiple response coming from server, ex. Stock exchange server, once stock exchange server got some new data ,it needs to update in UI. |  |
| Promises vs. Observables  - Observables work on modern browsers with RxJS and old browser can wok with Q. |  |
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|  |  |

**Play by play with john papa – Node Js Mongo DB**

Modemon : command not found :

sudo su –

export PATH=$PATH:/home/USER/npm

npm install -g --force nodemon

# THESE LINES + START FROM A NEW TERMINAL... # IN MY CASE

npm install -g --force node-inspector # TOO

sudo su – export PATH=$PATH:/home/USER/npm npm install -g --force forever

commonds :

nodemon index

mongod

Nodejs : for importing you can do require in ES5 but import is for ES6

Mongoose used for connecting the DB with mongodb. You can create schema by mongoose and .save .get function directly you can use to store the data in DB in getting from DB.

* to make fast mongoDB, you can do shard DB, I will use multiple server to make processing fast.

You can see the ports listen list be below commands

Sudo lsof –I –n –P|grep LISTEN

alias lsp = ‘sudo lsof –i –n –p|grep LISTEN’

working good below command

**sudo lsof|grep LISTEN**

**mongo problem :**

mongod --repair

to ran for node play by play

you need to forever

1. forever - sudo /Users/brijeshkumar/.node/lib/node\_modules/forever/bin/forever list
2. nodemon
3. redis-server
4. redis-cli
5. mongod

Angular Unit testing ply by play

Install instruction for karma and jasmine

<http://karma-runner.github.io/1.0/intro/installation.html>

Karma runs on [Node.js](http://nodejs.org/) and is available as an [NPM](https://npmjs.org/package/karma) package.

## Installing Node.js

On Mac or Linux we recommend using [NVM](https://github.com/creationix/nvm). On Windows, download Node.js from [the official site](https://nodejs.org/) or use the [NVM PowerShell Module](https://www.powershellgallery.com/packages/nvm).

#### Note:

Karma currently works on Node.js **0.10**, **0.12.x**, **4.x**, **5.x**, **6.x**, and **7.x**. See [FAQ](http://karma-runner.github.io/1.0/intro/faq.html) for more info.

## Installing Karma and plugins

The recommended approach is to install Karma (and all the plugins your project needs) locally in the project's directory.

*# Install Karma:* $ npm install karma --save-dev *# Install plugins that your project needs:* $ npm install karma-jasmine karma-chrome-launcher jasmine-core --save-dev

This will install karma, karma-jasmine, karma-chrome-launcher and jasmine-core packages into node\_modules in your current working directory and also save these as devDependencies in package.json, so that any other developer working on the project will only have to do npm install in order to get all these dependencies installed.

*# Run Karma:* $ ./node\_modules/karma/bin/karma start

Index.html should look like this

<head>

    <title>Angular Unit testing</title>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="./node\_modules/jasmine-core/lib/jasmine-core/jasmine.css">

    <script src="./node\_modules/jasmine-core/lib/jasmine-core/jasmine.js"></script>

    <script src="./node\_modules/jasmine-core/lib/jasmine-core/jasmine-html.js"></script>

    <script src="./node\_modules/jasmine-core/lib/jasmine-core/boot.js"></script>

    <script src="./src/calculator.js"></script>

    <script src="./spec/calculator.spec.js"></script>

</head>