Dev Setup

Tools to be installed

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1. Git and GitClient(SmartGit)

2. Node.js

3. Monogdb.

A: Required Node packages(using npm)

bower - A package manager for the web. We use NPM for server side node.js modules and Bower manages front-end packages like angular, jquery etc.

$ npm install -g bower

grunt-cli - This is required so that we can run Grunt tasks from the CLI. Grunt is a JavaScript task runner that can be used to automate tasks such as deployment steps, unit testing, linting etc.

$ npm install -g grunt-cli

yo - This is required so that we can run Yeoman generators from the CLI. Yeoman is a plugin that can be run with the ‘yo’ command to scaffold complete projects or useful parts.

$ npm install -g yo

generator-meanjs - This is the Yeoman generator for Meanjs. We will make use of this to scaffold components of our app, saving us a lot of typing. See the npm generator-meanjs package page for more info.

$ npm install -g generator-meanjs@0.1.12

B: Install the app’s dependencies via NPM:

Navigate to project folder and execute following commands

npm install --dev (server side dependencies)

bower install (client side dependencies)

C: Runnning the App

1. Database

Mac/Linux Users:

$ mongod

Windows Users;

C:\mongodb\bin\mongod.exe

2. Web Server

$ npm start

browse : http://localhost:3000

Testing the App

Mocha - Mocha is a feature-rich JavaScript test framework running on node.js and the browser, making asynchronous testing simple. I see it used in 90% of node.js libraries and projects I’ve worked with.

$ npm install --global mocha

or

$ npm install --save-dev mocha

Karma - Karma allows tests to be run in the browser. This is useful when testing front-end functionality. This was developed by the AngularJS team at Google (it was formally called Testacular) so you will likely see this in use for most Angular apps.

$ npm install karma --save-dev

npm test