**Steps to setup the Grunt and Bower**

**#1 Setup GRUNT**

1. npm install -g grunt-cli
2. now you are ready with grunt command globally !!!
3. npm install

if the npm install command will not install the components such as node-sass and grunt-sass then install those separately

2.1 npm i node-sass

2.2 npm i grunt-sass

**#2 Setup BOWER**

1. npm install –g bower
2. bower install

this command will create bower-components directory in project’s root path containing all the components which is mentioned in bower.json file if everything goes well (if there no proxy issues)

Note: If Bower Install not works then please resolve the error (mostly you will get an errors related to proxy from MINDTREE firewall).

**Alternative Approach**: I will share the bower components and then go ahead and make your changes in SCSS files (copy the bower\_components folder into project root directory)

**#3 Generate CSS from SCSS files**

How to work on SCSS files and generate CSS files.

1. Open project root directory in CMD and type grunt
2. Grunt will keep watch your changes on the tasks which are defined in Gruntfile.coffee
3. Change the SCSS file if it is necessary and then press Ctrl+S
4. Then public/stylesheets/app.css will update with your changes which you made in \*.scss files

**NOTE:** While issuing the pull request please don’t include public/stylesheets/app.css file because it will generate from grunt command instead include \*.scss files.

For more information on bower and grunt please have look here

GRUNT

<http://gruntjs.com/getting-started>

BOWER

<http://bower.io/>