To installs Less:

npm install -g [less@2.7.2](mailto:less@2.7.2) - To install less

lessc styles.less styles.css – To convert less file to css

To install Sass:

npm install --save-dev [node-sass@4.7.2](mailto:node-sass@4.7.2) (Uanble to install)

Then did the following but still node sass 4.7.2 couldn’t install:

npm audit

npm audit fix

Later run the following command without mentioning sass version and that works fine:

npm install --save-dev node-sass

"scss": "node-sass -o css/ css/" - node sass output will be saved in the css folder and the source is also from the css folder.

npm run scss

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To run npm command, we can use:

npm run lite or npm run scss

To execute multiple npm scriptis, we can use parallelshel

To keep an eye on the script, we can use npm onchange or watch script. Watching for Changes and Parallelshell:

npm install --save-dev onchange@3.3.0 [parallelshell@3.0.2](mailto:parallelshell@3.0.2)

To keep any eye on scss, add this script:

"watch:scss": "onchange \"css/\*.scss\" -- npm run scss",

"watch:all": "parallelshell \"npm run watch:scss\" \"npm run lite\""

then also update:

"start": "npm run watch:all",

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Cleaning up a Distribution Folder

npm install --save-dev rimraf@2.6.2

"clean": "rimraf dist",

If we type:

npm run clean - will delete the distribution folder

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Copying Fonts from node module folder to the distribution folder

npm -g install copyfiles@2.0.0

"copyfonts": "copyfiles -f node\_modules/font-awesome/fonts/\* dist/fonts",

Now run:

npm run copyfonts - this will create a folder name dist and under dist, there will be fonts folder where you would be able to find all the fontawesome fonts.

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Compressing and Minifying Images

npm install -g imagemin-cli@3.0.0 --unsafe-perm=true --allow-root

"imagemin": "imagemin img/\* -o dist/img"

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Preparing the Distribution Folder:

Open .gitignore

node\_modules

dist

The following command will help to modify index.html and other html files.

npm install --save-dev usemin-cli@0.5.1 cssmin@0.4.3 uglifyjs@2.4.11 htmlmin@0.0.7

"usemin": "usemin contactus.html -d dist --htmlmin -o dist/contactus.html && usemin aboutus.html -d dist --htmlmin -o dist/aboutus.html && usemin index.html -d dist --htmlmin -o dist/index.html",

"build": "npm run clean && npm run imagemin && npm run copyfonts && npm run usemin"

Then run the following command:

npm run build

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Task Runner Grunt and Gulp. Other task runner: Cake, Brunch, Broccoli