Anshika-Exercise-Website   
By Shreyas Mishra

short line

# Steps to Start

## Install NPM & Node.js

[https://nodejs.org](https://nodejs.org/)

Verify Syntax: node -v

npm -v

## Initialize package.json

Syntax: npm init

**NOTE :** Enter default values for most except entry point set it to ***index.html***

## Install Lite Server

Syntax: npm install lite-server --save-dev

## Modify package.json file

Syntax:

"scripts": {

"start": "npm run lite",

"test": "echo \"Error: no test specified\" && exit 1",

"lite": "lite-server"

},

## Put node\_modules in a folder named *.gitignore*

## Download Bootstrap to Your Project

Syntax: npm install bootstrap@4.0.0 --save

npm install jquery@3.3.1 popper.js@1.12.9 --save

## Put the following meta tags on every page

<!-- Required meta tags always come first -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta http-equiv="x-ua-compatible" content="ie=edge">

<!-- Bootstrap CSS -->

<link rel="stylesheet" href="node\_modules/bootstrap/dist/css/bootstrap.min.css">

Place these tags just before the body end tag

<!-- jQuery first, then Popper.js, then Bootstrap JS. -->

<script src="node\_modules/jquery/dist/jquery.slim.min.js"></script>

<script src="node\_modules/popper.js/dist/umd/popper.min.js"></script>

<script src="node\_modules/bootstrap/dist/js/bootstrap.min.js"></script>

## Install the following to implement Font-awesome & bootstrap-social

npm install font-awesome@4.7.0 --save

npm install bootstrap-social@5.1.1 --save

<link rel="stylesheet" href="node\_modules/font-awesome/css/font-awesome.min.css">

<link rel="stylesheet" href="node\_modules/bootstrap-social/bootstrap-social.css">

## Using SCSS(SASS)

npm install --save-dev node-sass@4.7.2

Add the following in **scripts** into *package.json* file

"scss": "node-sass -o css/ css/"

Command to run scss

npm run scss

## Now install two more NPM Packages to execute more than one command at once

npm install --save-dev onchange@3.3.0 parallelshell@3.0.1

Add the following in **scripts** into *package.json* file

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

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

Update start script as well

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

## Install rimraf module (Used to clean a folder)

npm install --save-dev rimraf@2.6.2

Add the following in **scripts** into *package.json* file

"clean": "rimraf dist",

## Install copyfiles ( as the name suggests)

npm -g install copyfiles@2.0.0

Add the following in **scripts** into *package.json* file

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

## Compressing CSS HTML and Minifying Images

npm -g install imagemin-cli@3.0.0

Add the following in **scripts** into *package.json* file

"imagemin": "imagemin img/\* --out-dir='dist/img'",

Note : Open *.gitignore* and update it as follows.

node\_modules

dist

npm install --save-dev usemin-cli@0.5.1 cssmin@0.4.3

uglifyjs@2.4.11 htmlmin@0.0.7

Add the following in **scripts** into *package.json* file

"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"

## Open *index.html* and surround the css links inclusion code as follows:

<!-- build:css css/main.css -->

<link rel="stylesheet" href="node\_modules/bootstrap/dist/css/bootstrap.min.css">

<link rel="stylesheet" href="node\_modules/font-awesome/css/font-awesome.min.css">

<link rel="stylesheet" href="node\_modules/bootstrap-social/bootstrap-social.css">

<link href="css/styles.css" rel="stylesheet">

<!-- endbuild -->

## Similarly, open *index.html* and surround the js script inclusion code as follows:

<!-- build:js js/main.js -->

<script src="node\_modules/jquery/dist/jquery.slim.min.js"></script>

<script src="node\_modules/popper.js/dist/umd/popper.min.js"></script>

<script src="node\_modules/bootstrap/dist/js/bootstrap.min.js"></script>

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

<!-- endbuild -->

## To build the distribution folder, you can type the following at the prompt:

npm run build

# Implementation

## 