**Chap 1, 2, 3 Intro**

**Chap 4 What is a Single Page Application (SPA)?**

MEAN provides a dynamic single-page app. It appears to have different pages but this all do to the front end scripting modifying the DOM.

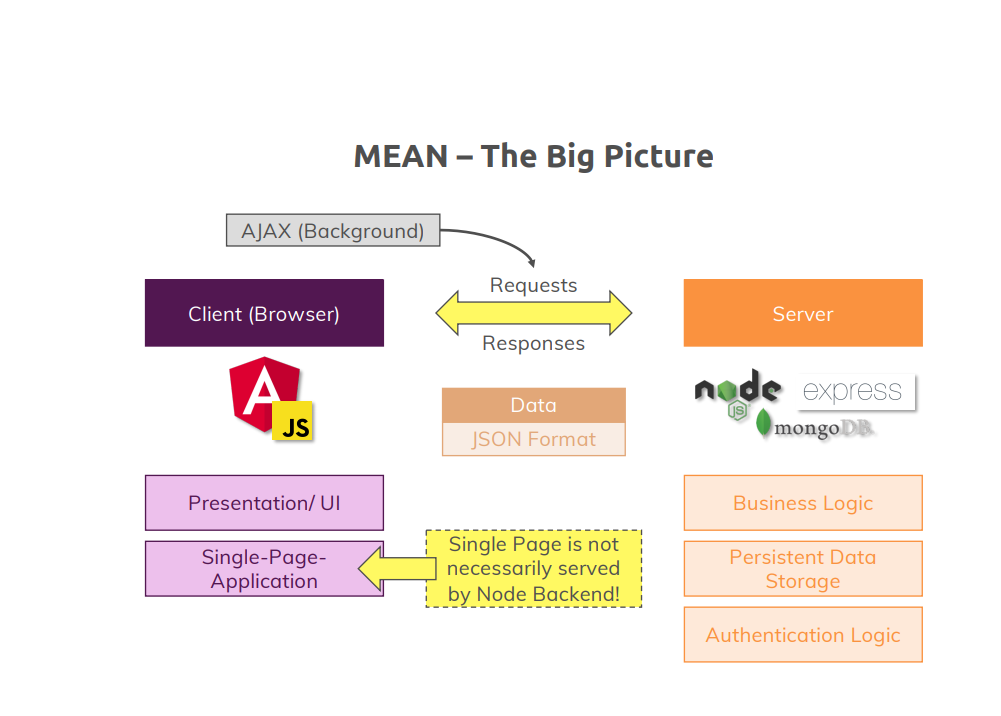
**Chap 5 How Does a MEAN Stack work?**

Mongo: non-SQL database

Express: AJAX is used and data is transmitted using JSON format.

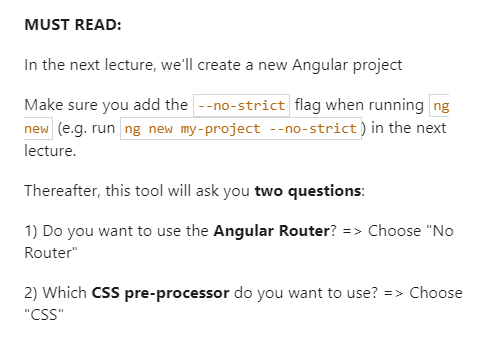
Angular: front end. Handles different screens: PC, tablet, and mobile

Node: JavaScript runtime. Provides access to server.



|  |  |
| --- | --- |
| ng | This is the angular CLI |

**Chap 6 Must read notes**



**Chap 7 Installing Node and Angular CLI**

Download and install node (see other notes)

Install Angular (see Angular course)

cd ~

mkdir project-mean

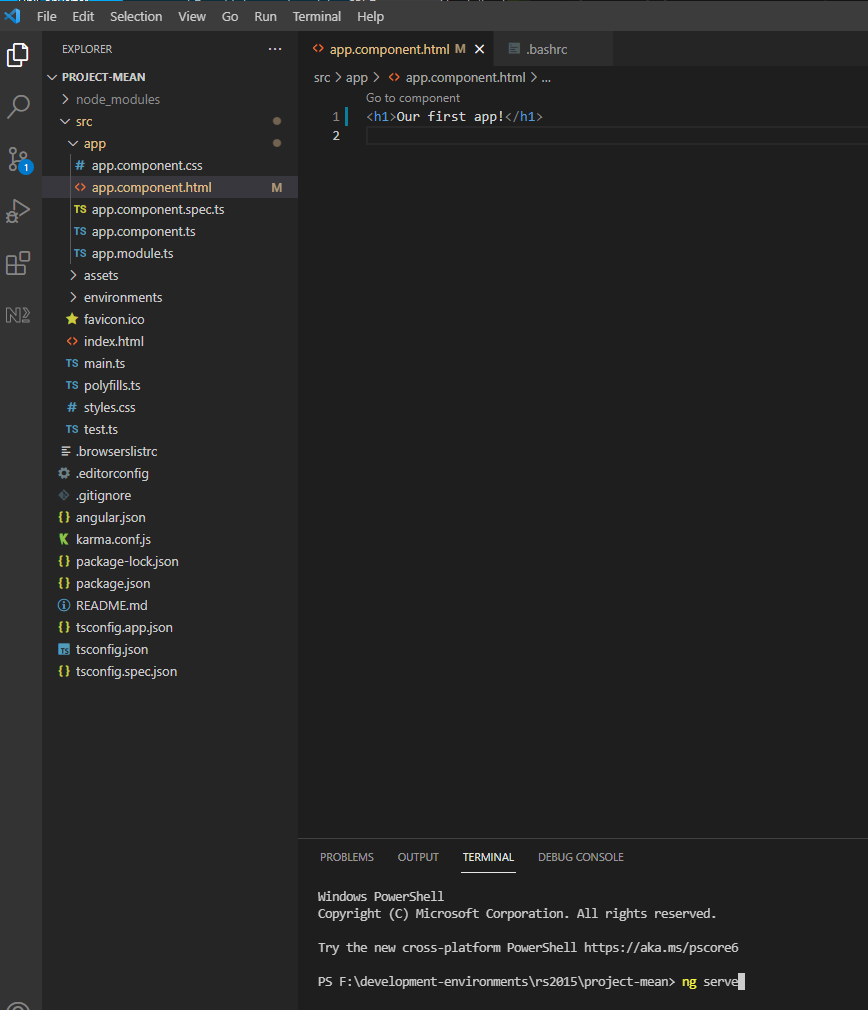
cd project-mean

ng new --no-strict first-project

cd first-project/

click on Terminal->New

then type ng serve



Open [**http://localhost:**4200/](http://localhost:4200/) in chrome

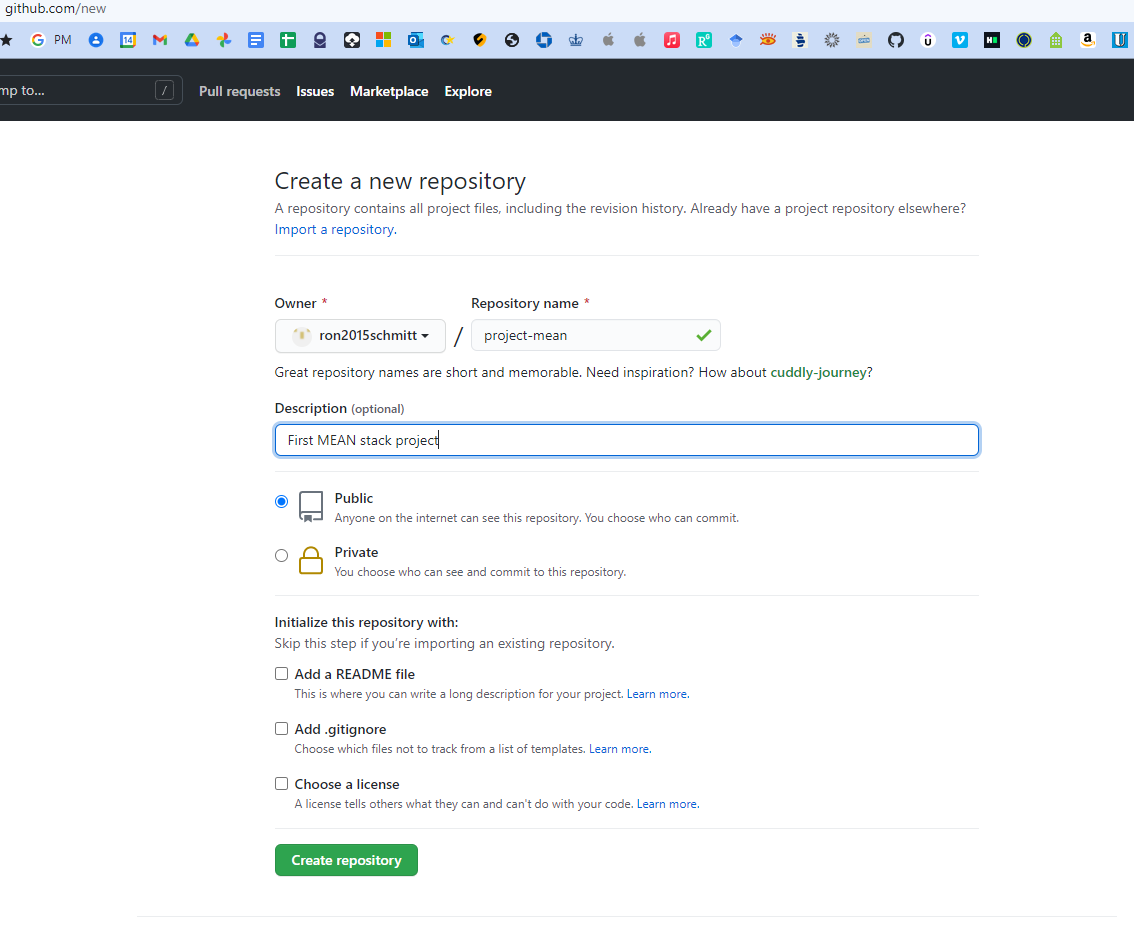
The following worked for github but probably is not best way to do it.

cd ~/project-mean

git init

git add .

create new repo on github

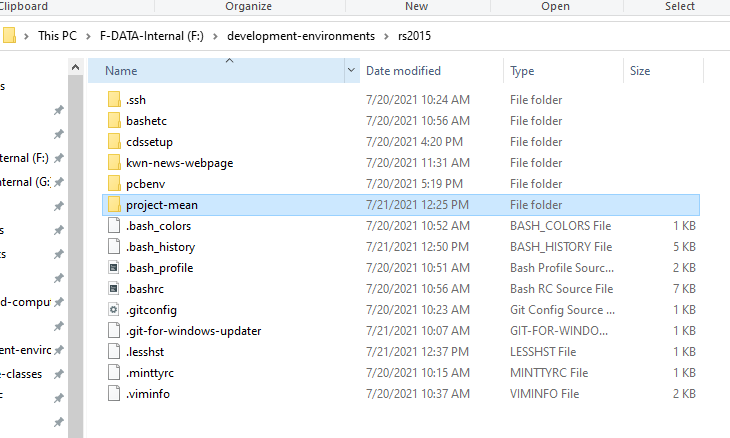


git branch -M main

git remote add origin https://github.com/ron2015schmitt/project-mean.git

git push -u origin main

Right-click folder and open in VSCode



**Chap 8 Installing Our IDE**

Install VSCode (see other notes)

Install VSCode extensions:

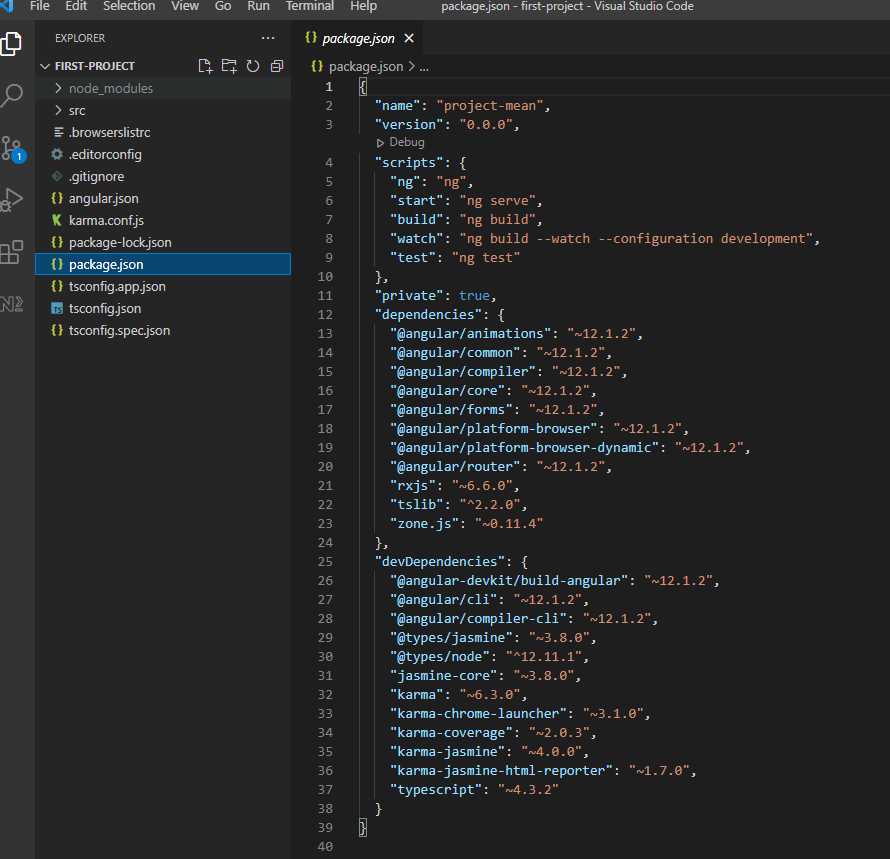
* Angular Essentials
* Material Icon Theme

**Chap 9 Exploring the Project Structure**

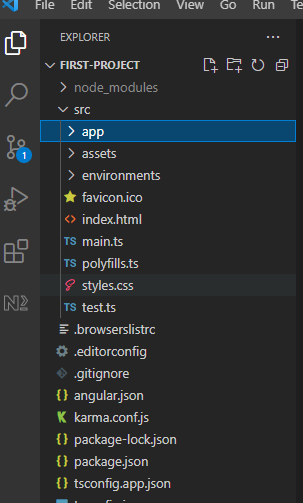
Completed through Chap 8

Open project-mean folder in VSCode

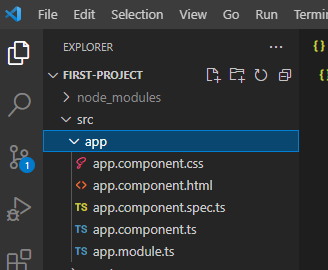
The package.json file list all the node packages needed, our dependencies. When you type npm install these package downloaded and built in the node\_modules folder



Our source code resides in the src folder



The main Angular component is defined in the app folder



**Chap 10 Course Outline**

Data Pagination is the process of downloading large amounts data from the database as needed. Example is a grid with thousands of rows.

**Chap 11 How to get the most out of this course**

Code along with the video

Ask questions on Q&A

**Chap 12: section resources**

**Chap 13: Angular: Introduction**

We’re going to build a mini social network

**Chap 14: Understanding the folder structure**

See Chap 7 of the Angular course

**Chap 15: Understanding Angular Components**

Angular constructs web page via components.

Similar to a word processor, the page layout itself is divided up into regions that are defined by components.

Completed thru Chap 15