**Documentation**

**Terms**

Angular allows us to build client side applications.

Angular offers Dependency Injection, Fast change detection, Structure rich templates combined with ease of user interactions, and Comprehensive Routing.

Angular provides a base for building rich client side applications with a specialization on Data Binding.

Has component architecture inspired by web components.

Angular source is written in typescript which focuses on ES2015 class and modules. Also provides strong typing for writing variables and function signatures. Benefits: Simple and easy to read code, similar source code as angular for better understanding and more productivity.

**Installation Instructions**

Git: <https://git-scm.com>

Node: <https://nodejs.org/en>

Visual Studio Code: <https://goo.gl/1isiUG>

**Run Environment**

\*\* Note: If using Mac, remember to use python3 or pip3 in command prompt.

1. Create Django project
   1. Navigate to the working folder using command prompt.
   2. Run: *django-admin.py startproject project-name*
   3. Project has been created with initial set of files:
      1. manage.py – Run commands
      2. shelter/\_\_init\_\_.py – Contains python files
      3. shelter/wsgi.py – Provides a hook for web servers such as Apache or Engine x
      4. shelter/setting.py – Configures Django
      5. shelter/urls.py – Routes requests based on URL
2. Run Project
   1. Navigate to the working directory
   2. Run: *python manage.py runserver*
   3. In browser, type *localhost:8000* and the default webpage will be displayed
   4. When server runs, it created db.sqlite so that the project has database to work with.
3. Create Django App
   1. Navigate to the working directory
   2. Run: *python manage.py startapp app-name*

**Resources:**

<https://www.linkedin.com/learning>