Framework Creation Flow

1. Created the folder FrameworkV1.
2. On cmd I navigated to directory with “cd C:\FE\Angular4FW\FrameworkV1 “
3. ng new ng4fw-v1 --style=scss --prefix fw
4. Navigated into the app folder of the generated application .
5. I created a folder called block and navigate into it and created the following there
6. To generate the different modules.
   1. ng g m table
   2. ng g m page
   3. ng g m display
   4. ng g m statistic
   5. ng g m form
   6. ng g m crud
7. To generate the components in the Table in table model directive
   1. ng g c table -m table
   2. ng g c table-cell -m table
   3. ng g c table-filter -m table
   4. ng g c table-pagination -m table
8. To generate Page Components
   1. ng g c menu -m page
   2. ng g c footer -m page
   3. ng g c progress-bar -m page
   4. ng g c toast -m page
   5. ng g c widget-header -m page
9. To generate statistic Components
   1. ng g c pie-chart -m statistic
   2. ng g c bar-chart -m statistic
   3. ng g c progress-bar -m statistic
   4. ng g c donut-pie -m statistic
10. To generate statistic Display
    1. ng g c text -m display
    2. ng g c video -m display
    3. ng g c icon -m display
    4. ng g c date -m display
    5. ng g c textbox -m display
    6. ng g c number -m display
11. To generate form
    1. ng g c textbox -m form
    2. ng g c text-area -m form
    3. ng g c date-textbox -m form
    4. ng g c checkbox -m form
    5. ng g c radio -m form
    6. ng g c dropdown -m form
    7. ng g c typeahead -m form
    8. ng g c form -m form
    9. ng g c form-field -m form
    10. ng g c table-form -m form
    11. ng g c cascade-dropdown -m form
12. To generate crud
    1. ng g c create -m crud
    2. ng g c delete -m crud
    3. ng g c edit -m crud
    4. ng g c view -m crud
    5. ng g c list -m crud
13. I created a folder called services in my app folder where I intend to create my services
14. To generate the services
    1. ng g s data-access
    2. ng g s data-item-state
    3. ng g s data-list-state
    4. ng g s file-download
    5. ng g s file-upload
    6. ng g s exception
    7. ng g s routing
15. I navigated to the ng4fw-v1 which is the root of the project. => npm i –save bootstrap
16. npm install --save [bourbon@4.2.7](mailto:bourbon@4.2.7)
17. npm install --save [bourbon-neat@1.8.0](mailto:bourbon-neat@1.8.0)
18. npm install --save toastr
19. Didn’t use neat because all neat are now using bourbon 5 which is deficient on some features as a result of remover of css prefix and advice to use Autoprefexer for css prefix. I advise we leave bourbon to another scss lib or plan on how to get all deprecate functionalities fixed.
20. I added references to .angular-cli.json file in the project root i.e. its’ style section of the file some lines that reference the install bootstrap, bourbon and neat css library i.e.  
     **"../node\_modules/bootstrap/dist/css/bootstrap.css"**,  
    **"../node\_modules/bourbon/app/assets/stylesheets/\_bourbon.scss"**,  
    **"../node\_modules/bourbon-neat/app/assets/stylesheets/\_neat.scss"**,
21. Created a folder called views inside the src folder.
22. Then I ran
    1. ng g m fake-form
    2. ng g m tableform
23. I navigated into the created crud model folder. Then I generated the following components
    1. ng g c createForm -m fake-form
    2. ng g c updateForm -m fake-form
    3. ng g c deleteForm -m fake-form
    4. ng g c simpleTable -m fake-form
24. I navigated into the created tableform model folder. Then I generated the following components
    1. ng g c tableForm -m tableForm
    2. ng g c formAndDisplayTable -m tableForm
25. The I generated the following components that are meant for framework testing.
    1. ng g c home
    2. ng g c error

Todo: Please not that each table must have support for children

1. I navigated to the text folder inside the block folder to create the textPipe for text data formatting
   1. ng g p textPipe
2. I navigated to app folder and generated a new module for managing all the routing
   1. ng g m appRouting
3. For route guarding for our authentication management I created a serve called Auth-Guard service. This I created in the services folder. I also created the Auth service where the check of being authenticated is run first before and a Boolean of being allowed or disallowed is generated.
   1. ng g s authGuard
   2. ng g s auth
4. To block the user from navigating away from pages where the data has been altered without saving I created a deactivate guard in the service folder.
   1. ng g s unsavedGuard
5. install this “**npm install mydatepicker --save**” for date picker angular 2 and check here ” <https://github.com/kekeh/mydatepicker#options-attribute>” for configuration.
6. This is sample of how to create the todo module
   1. ng g c todo-create -m todo
   2. ng g c todo-delete -m todo
   3. ng g c todo-list -m todo
   4. ng g c todo-view -m todo
   5. ng g c todo-update -m todo