TLC:

i) In the first pass, draw rectangular boxes and Identify the immediate children

(Don’t go to next level children, their children and grand-children. Go only one level.)

* TLC.component.html
  + *<header-component></header-component>*
  + *<nav-items-list></nav-items-list>*

(list of homogeneous items, when opened its own html there will be \*ngFor for *<nav-item></nav-item>*)

* + *<feed-and-status-container></feed-and-status-container>*

(it’s a wrapper of heterogeneous items, based on my highly strict and disciplined naming convention, if I open **feed-and-status-container.component.html**, I will see *<feed-component></feed-component>* and *<status-component></status-component>*, in any order. The order itself depends on **feed-and-status-container.component.css**)

* TLC.component.ts
* TLC.component.css
* TLC.module.ts
* TLC.routes.ts

Naming convention should be independent of your layout choices(position), for e.g. **LeftNavItemsList** is not recommended, instead use **NavItemsList**

ii) Now if I make a second pass with the same rules, I observe that feed-component is a list of homogeneous items, therefore the committee recommends the name should be *<feed-items-list></feed-items-list>*

iii) In the third pass, we go through the identified immediate children and see any of them depends on route changes(for e.g. if url matches ../*top/a/b* ), if yes, we replace that particular child tag name with

*<router-outlet></router-outlet>* and you have to create a new entry in the routing table (TLC.routes.ts -> appRoutes will have a new entry)

*<router-outlet name=”jaggu”></router-outlet>*

*<router-outlet name=”girishubabu”></router-outlet>*

TLC (markup)

* **A**
  + A\_X
  + <router-outlet name=’jaggu’></router-outlet> ***// <f-tag></f-tag> // component F is placed here***
  + A\_Y
    - **A\_Y\_Q**
      * <router-outlet name=’girishu’></router-outlet>
* B
  + B\_Z
  + **B\_W**
    - <router-outlet name=’ababu’></router-outlet>

Items in bold - all 3 of them have - one <router-outlet></router-outlet> each inside their respective .component.html’s (A, A\_Y\_Q, B\_W)

**My requirement is that:**

***Whenever the URL hits this path or path-pattern:***

localhost:8734/top/a/b

component A should change its behaviour or display state

& component B\_W should change its behaviour or display state

& component A\_Y\_Q should change something within it (or in other words, component A\_Y\_Q should be designed as RESPONSIVE to URL changes / path changes / route changes)

**Sub-requirement:**

When top/a/b path is hit, component A’s responsive sub-part should load component NNN,

component B\_W’s responsive sub-part should load UUU &

Component A\_Y\_Q’s responsive sub-part should load F

**TLC.routes.ts**

appRoutes = [

{path: ‘path1’, component: D}, {path: ‘path2’, component: E}, {...}, {path: ‘top/a/b’, component: F }

];

TLCModule.forRoot(appRoutes);

appRoutes will change now to:

appRoutes = [

{path: ‘path1’, component: D},

{path: ‘path2’, component: E},

{...},

{path: ‘top/a/b’, name: ‘jaggu’, component: NNN },

{path: ‘top/a/b’, name: girishu, component: UUU },

{path: ‘top/a/b, name: ababu, component: F }

];

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**HeaderComponent.component.html:**

<div class=”fb-header-container”>

<home></home>

<search-bar></search-bar>

<profile></profile>

<home></home>

<user-profile-navigation-links></user-profile-navigation-links>

<help></help>

<user-profile></user-profile>

</div>