# Test Assignment

A screenshot of a social media post

Description automatically generated

### Create an Application that uses:

* Angular 8/9
* Uses just one page
* Use PrimeNg for the UI controls(menu, button, tabs, table, etc…)
* Use Sass for css
* The tabs represent the same data but
  + Alarms show everything
  + Node type, shows the alarms but sorted by node type
  + Critical, Major, Minor etc…. Shows only the alarms with the correct severity
  + If a severity doesn’t have any in the json it should not be shown.
* Alarms severity color:
  + Critical: #e71d1d
  + Major: #ef8e00
  + Minor: #ddd326
  + Warning: #7d85b2
  + Undefined: #99b4ba
* Data can be populated with the included json.

### Functionality

1. When a user clicks on the Logout, the app should ask if the user is ok to leave the current page and if positive the current browser tab gets closed.
2. When the user clicks on the menu, the app should display 3 menu items. When an item is clicked, the app should display a confirmation message that the <item – name> has been activated
3. “Home” and “Back” don’t have any handlers
4. Data gets changed when the user toggles between tabs. The app should support highlighting of individual rows based on a column value. If the severity value is Critical put it in red, if it’s major in Orange, minor should be yellow. Anything else is unchanged.   
   Don’t highlight rows in the specific tabs, so if you go to the critical alarms tab, the browse should not be red.
5. The page should take all the space available and support CSS Flex
6. The screenshot above is left devoid of css on purpose. The page L&F is up to you as long as you feel comfortable with it.
7. Add a togglable bell icon. It should show a badge count of the number of selected elements and react in realtime to events of the grid like: selected/deselected items in the grid. On click of this icon, expand an overlay and show the list of currently selected elements. Show severity, description and node type.

## Optional

1. Write some unit tests (jest is preferred but you can use whatever you feel comfortable)
2. Only highlights the cell instead of the row for #4
3. Show a chart below the table showing a distribution of the Critical, Major, Minor based on the facets object in the json.

## Json data

{

"offset": 0,

"limit": 100,

"total": 7,

"items": [

{

"rollback": false,

"node-id": "TmfService-50131",

"additional-text": "Signal Degrade",

"resource": "TmfService-50131",

"alarm-id": "2133533540892795302",

"node-type": "TMFSERVICE",

"manual-clearable": false,

"severity-value": "7",

"sequence-id": "1569897653030",

"first-raise-time": "2019-10-01T02:40:53.030Z",

"condition-severity": "CRITICAL",

"number-of-occurrences": 1,

"additional-attrs": {

"productId": "5daf400f-6519-4fbb-8b69-d5d43ef6c892",

"resourceTypeId": "tosca.resourceTypes.TmfService",

"label": "TmfService-50131",

"id": "5db074b0-f0fe-4cb3-907e-995997bd8857"

},

"resource-id": "5db074b0-f0fe-4cb3-907e-995997bd8857",

"ra-alarm-id": "9d9f8fba-5c96-42f6-8a17-e75b2bb9be9a",

"partition": null,

"native-condition-type": "Signal Degrade",

"last-raise-time": "2019-10-01T02:40:53.030Z",

"id": "2133533540892795302",

"state": "ACTIVE",

"acknowledge-state": "NOT\_ACKNOWLEDGED"

},

{

"node-id":"Topo\_Update\_TPE\_Monitor",

"manual-clearable":false,

"device-attributes":{

"macAddress":null,

"ip":null,

"name":null,

"cardType":null,

"id":null

},

"additional-attrs":{},

"device-id":null,

"ra-alarm-id":"81f13301-b36c-4ec2-ae39-9223e8246328",

"partition":null,

"native-condition-type":"Signal Degrade",

"id":"1096643163738032214",

"state":"ACTIVE",

"rollback":false,

"mac-address":null,

"additional-text":"Signal Degrade",

"device-name":null,

"resource":"Topo\_Update\_TPE\_Monitor",

"alarm-id":"1096643163738032214",

"node-type":"MONITOR",

"severity-value":"6",

"sequence-id":"1576612436735",

"resourceBpoId":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"first-raise-time":"2019-12-17T19:53:56.735Z",

"condition-severity":"MAJOR",

"number-of-occurrences":1.0,

"resource-id":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"ip-address":null,

"card-type":null,

"last-raise-time":"2019-12-17T19:53:56.735Z",

"acknowledge-state":"NOT\_ACKNOWLEDGED"

},

{

"node-id":"2\_SIM\_B\_0",

"manual-clearable":false,

"device-attributes":{

"macAddress":"40AA45080102",

"ip":"10.2.0.0",

"name":"2\_SIM\_B\_0",

"cardType":null,

"id":"5defabcd-3543-4a73-a267-726625d2ecea"

},

"device-id":"5defabcd-3543-4a73-a267-726625d2ecea",

"ra-alarm-id":"f811f5ed-1a0e-4ddc-8e66-03d1c8305bef",

"partition":null,

"native-condition-type":"Signal Degrade",

"id":"5341755570145380604",

"state":"ACTIVE",

"rollback":false,

"mac-address":"40AA45080102",

"additional-text":"Signal Degrade",

"device-name":"2\_SIM\_B\_0",

"resource":"2\_SIM\_B\_0:TPE\_3-1-1\_PTP",

"alarm-id":"5341755570145380604",

"node-type":"TPE",

"severity-value":"7",

"sequence-id":"1576001000502",

"resourceBpoId":"5defabd1-990c-4ceb-a1c7-7ec2c38f05a7",

"first-raise-time":"2019-12-09T18:03:20.502Z",

"condition-severity":"MAJOR",

"number-of-occurrences":2.0,

"resource-id":"2\_SIM\_B\_0:TPE\_3-1-1\_PTP",

"ip-address":"10.2.0.0",

"card-type":null,

"last-raise-time":"2019-12-10T18:03:20.502Z",

"acknowledge-state":"NOT\_ACKNOWLEDGED"

},

{

"node-id":"Topo\_Update\_TPE\_Monitor",

"manual-clearable":false,

"device-attributes":{

"macAddress":null,

"ip":null,

"name":null,

"cardType":null,

"id":null

},

"additional-attrs":{},

"device-id":null,

"ra-alarm-id":"81f13301-b36c-4ec2-ae39-9223e8246328",

"partition":null,

"native-condition-type":"Signal Degrade",

"id":"4096643163738032214",

"state":"ACTIVE",

"rollback":false,

"mac-address":null,

"additional-text":"Signal Degrade",

"device-name":null,

"resource":"Topo\_Update\_TPE\_Monitor",

"alarm-id":"4096643163738032214",

"node-type":"MONITOR",

"severity-value":"6",

"sequence-id":"1576612436735",

"resourceBpoId":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"first-raise-time":"2019-12-17T19:53:56.735Z",

"condition-severity":"MAJOR",

"number-of-occurrences":1.0,

"resource-id":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"ip-address":null,

"card-type":null,

"last-raise-time":"2019-12-17T19:53:56.735Z",

"acknowledge-state":"NOT\_ACKNOWLEDGED"

},

{

"node-id":"Topo\_Update\_TPE\_Monitor",

"manual-clearable":false,

"device-attributes":{

"macAddress":null,

"ip":null,

"name":null,

"cardType":null,

"id":null

},

"additional-attrs":{},

"device-id":null,

"ra-alarm-id":"81f13301-b36c-4ec2-ae39-9223e8246328",

"partition":null,

"native-condition-type":"Signal Degrade",

"id":"5096643163738032214",

"state":"ACTIVE",

"rollback":false,

"mac-address":null,

"additional-text":"Signal Degrade",

"device-name":null,

"resource":"Topo\_Update\_TPE\_Monitor",

"alarm-id":"5096643163738032214",

"node-type":"MONITOR",

"severity-value":"5",

"sequence-id":"1576612436735",

"resourceBpoId":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"first-raise-time":"2019-12-17T19:53:56.735Z",

"condition-severity":"MAJOR",

"number-of-occurrences":1.0,

"resource-id":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"ip-address":null,

"card-type":null,

"last-raise-time":"2019-12-17T19:53:56.735Z",

"acknowledge-state":"NOT\_ACKNOWLEDGED"

},

{

"node-id":"Topo\_Update\_TPE\_Monitor",

"manual-clearable":false,

"device-attributes":{

"macAddress":null,

"ip":null,

"name":null,

"cardType":null,

"id":null

},

"additional-attrs":{},

"device-id":null,

"ra-alarm-id":"81f13301-b36c-4ec2-ae39-9223e8246328",

"partition":null,

"native-condition-type":"Signal Degrade",

"id":"6096643163738032214",

"state":"ACTIVE",

"rollback":false,

"mac-address":null,

"additional-text":"Signal Degrade",

"device-name":null,

"resource":"Topo\_Update\_TPE\_Monitor",

"alarm-id":"6096643163738032214",

"node-type":"MONITOR",

"severity-value":"4",

"sequence-id":"1576612436735",

"resourceBpoId":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"first-raise-time":"2019-12-17T19:53:56.735Z",

"condition-severity":"MAJOR",

"number-of-occurrences":1.0,

"resource-id":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"ip-address":null,

"card-type":null,

"last-raise-time":"2019-12-17T19:53:56.735Z",

"acknowledge-state":"NOT\_ACKNOWLEDGED"

},

{

"node-id":"TPE\_PORT",

"manual-clearable":false,

"device-attributes":{

"macAddress":null,

"ip":null,

"name":null,

"cardType":null,

"id":null

},

"additional-attrs":{},

"device-id":null,

"ra-alarm-id":"81f13301-b36c-4ec2-ae39-9223e8246328",

"partition":null,

"native-condition-type":"Bad number",

"id":"6096643163738032214",

"state":"ACTIVE",

"rollback":false,

"mac-address":null,

"additional-text":"Bad number",

"device-name":null,

"resource":"TPE\_PORT",

"alarm-id":"6096643163738032214",

"node-type":"MONITOR",

"severity-value":"3",

"sequence-id":"1576612436735",

"resourceBpoId":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"first-raise-time":"2019-12-17T19:53:56.735Z",

"condition-severity":"MINOR",

"number-of-occurrences":1.0,

"resource-id":"5def2562-c2f2-46ac-b78a-d33a3d631fae",

"ip-address":null,

"card-type":null,

"last-raise-time":"2019-12-17T19:53:56.735Z",

"acknowledge-state":"NOT\_ACKNOWLEDGED"

}

],

"errors": [],

"facets": {

"condition-severity": [

{

"key": "CRITICAL",

"count": 1

},

{

"key": "MAJOR",

"count": 5

},

{

"key": "MINOR",

"count": 1

}

]

}

}