I am going to create and web-GIS project and I will give to detailed of it by component wise . you need to wait till I asked you do something?

I am using angular 18.0.2 Following are the component I have:

* Home
* Layer-switcher
* Map

Services

* Cut-polygon service
* Layer-mamagement Service
* Openlayer Service

And the rest are same as other angular projects, which component you need first

Following give the specification of the software component I need to create:

Component name: Layer Switch Pannel

Framework: Angular

Library use: OpenLayers

Software Requirement Specification:

1. The switch panel need to be popout when a button click
2. At the bottom of the panel there is button named Add Layer Theme
3. Once the Layer Theme clicked, you are prompt to add a name for the layer
4. Once the layer enter and click ok, it will add text named with Layer Theme Name and another button with Add Sublayers
5. When the Sublayers button click, another window will pop-up and there will be layer name to be entered and three radio button for Point, Line, and Polygon, of which only one option can be selected
6. If you selected point option then you will asked to select predefined color and the shape from the dropdown lists
7. If you selected line option then you will asked to select predefined color, style and the width from the dropdown lists
8. If you selected polygon option then you will asked to select predefined color, style and the width from the dropdown lists
9. Once you save it will create new layer style
10. This will appear in the above layer panel under the layer theme
11. Likewise you can add number of layer themes and sublayers

Requirements:

* Bootstrap
* ng add @angular/material

In the above How can I create new predefine properties based on the opnetions available in openLayer libreaties

I do need something like this:

* There three basic feature types
  + Point
  + Line
  + Polygons
* If I select one feature, let say polygon, then I need to defeine the properties in the pop-up
  + Line type (from predefined list)
  + Line width (from predefined list)
  + Line color (from predefined
  + Fill color (From the predefined list

And then assign it to the sub layer

* Similar to the other feature