

TASK-3 CODE

Q/A:-Create a component named sidebar. It should contain multiple tabs

Tab-1: Name- Header

Fields: Logo Path ,Logo Mobile Image ,Logo Link .Enable Switch ,

Tab-2: Name- Header Links

Fields: - Multifield:--Name ,Image

Tab-3: Name- SideBar Navigation

Fields: - Multifield :-Desktop Icon ,Mobile Icon

Nested Multifield:--Navigation URL

Tab-4: Name- Region

Fields: -

Country - Dropdown - options (india & US)

Write sling model for above component and render the values on page using HTL

Note: For Multifield keep composite as true propertie

STRUCTURE FOR COMPONENT CREATION

The screenshot displays the CRXDE Lite IDE interface. On the left, a tree view shows the component structure: sidebar > cq:dialog > content > items > column > items > tabs > items > Header > items > Logo Path, Logo Mobile, Logo Link, Enable Switch, Header Links, Items > field > Name, Image > SideBar Navigation > multifield > items > Desktop Icon, Mobile Icon > nested > Region > items > Country.

The main editor shows the JavaScript code for the sidebar component. The code includes a function to show/hide the component and its fields. The code is as follows:

```
27 if (component) {
28   showHide(component, element);
29 }
30 }
31 }
32 }
33 }
34
35 function showHide(component, element) {
36   console.log('showing');
37   // get the selector to find the target elements. It's stored as a data- attribute
38   var target = $(element).data("cqDialogCheckboxShowHideTarget");
39   var $target = $(target);
40
41   if ($target) {
42     if (component.checked) {
43       $target.find('input, select, textarea, button').prop('disabled', false);
44     } else {
45       $target.find('input, select, textarea, button').prop('disabled', true).val(null);
46       // After disabling the fields, send the component path to the servlet
47       var componentPath = $target.closest("form.cq-dialog").attr("action");
48       console.log(componentPath);
49       sendPathToServlet(componentPath);
50     }
51   }
52 }
```

Line 45, Column 45

The Properties panel at the bottom shows the following properties:

Name	Type	Value	Protected	Mandatory	Multiple	Auto Created
1 sling.resourceType	String	granite/ui/components/coral/foundation/container	false	false	false	false
2 name	String	.main	false	false	false	false
3 jcr:primaryType	Name	nt:unstructured	true	true	false	true

HTL CODE FOR COMPONENT

```
<div data-sly-use.side="com.adobe.aem.guides.demo.core.models.Sidebarproperties">
<h1>First tab Header</h1>

<div> <b>logomobileimage:</b> </div>
<div><b>logolink :</b><a href="{side.logolink}">{side.logolink} </a></div>
<div><b>logopath :</b> {side.logopath}</div>
<div><b> enableswitch: </b>{side.enableswitch}</div>

<h2>Second Tab HeaderLinks</h2>

<div data-sly-list.secondtab="{side.details}">

<div><b> Name:</b><h3>{secondtab.name}</h3></div>

<div><b> Image:</b></div>

</div>

<h3> Third Tab NestedMultiField</h3>

<div data-sly-list.thirdtab="{side.mani}">

<div>
<h2>DeskTop icon : </h2><a href="{thirdtab.desk}"> {thirdtab.desk} </a>
</div>

<div>
<h2>Mobile icon : </h2><a href="{thirdtab.mob}">{thirdtab.mob}</a>
</div>

<div data-sly-list.nestedtab="{thirdtab.navi}">
  <div>
    <h2>Navigation Url : </h2><a href="{nestedtab.navisurl}">{nestedtab.navisurl}</a>
  </div>
</div>

</div>

<h3><b> <u>Region</u> :- </b></h3>
<div><b> country:</b> {side.country} </div>
</div>
```

CQ: DIALOG FOR COMPONENT

?

×

✓

Header

Header Links

SideBar Navigation

Region

Logo Path

/content/dam/newsportalimages/logo.png

✓

Logo Mobile Image

✓

LogoLink

✓

☐ please click on ok

CSS Class

SLING MODEL CODE

```
package com.adobe.aem.guides.demo.core.models;
```

```
import java.util.List;
```

```
import org.apache.sling.api.resource.Resource;
```

```
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
```

```
import org.apache.sling.models.annotations.Model;
```

```
import org.apache.sling.models.annotations.injectorspecific.ChildResource;
```

```
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;
```

```
@Model(adaptables = Resource.class,
```

```
defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL
```

```

)
public class Sidebarproperties {
    @ValueMapValue
    public String logomobileimage;

    @ValueMapValue
    public String country;
    //
    @ValueMapValue
    public String logolink;

    @ValueMapValue
    public String logopath;

    @ValueMapValue
    public String enableswitch;

    @ChildResource
    public List<Details> details;

    @ChildResource
    public List<Multifieldtab3> mani;

    public List<Multifieldtab3> getMani() {
        return mani;
    }

    public List<Details> getDetails() {
        return details;
    }

    public String getLogomobileimage() {
        return logomobileimage;
    }

    public String getCountry() {
        return country;
    }

    public String getLogolink() {
        return logolink;
    }

    public String getLogopath() {
        return logopath;
    }

    public String getEnableswitch() {
        return enableswitch;
    }
}

```

MULTIFIELD CODE

```
package com.adobe.aem.guides.demo.core.models;

import java.util.List;
import org.apache.sling.api.resource.Resource;
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.injectorspecific.ChildResource;
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;

@Model(adaptables = Resource.class, defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)

public class Multifieldtab3 {

    @ValueMapValue
    private String desk;

    @ValueMapValue
    private String mob;

    @ChildResource
    public List<Nestedtab3> navi;

    public String getDesk() {
        return desk;
    }

    public String getMob() {
        return mob;
    }

    public List<Nestedtab3> getNavi() {
        return navi;
    }
}
```

NESTED MULTIFIELD

```
package com.adobe.aem.guides.demo.core.models;

import org.apache.sling.api.resource.Resource;
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;

@Model(adaptables = Resource.class, defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
public class Nestedtab3 {

    @ValueMapValue
```

```
private String navisurl;

public String getNavisurl() {
    return navisurl;
}

}
```

DISPLAYING CONTENT ON PAGE

First tab Header

logomobileimage:  Tab 1 logo image
logolink :
logopath : /content/dam/newsportalimages/logo.png
enableswitch:

Second Tab HeaderLinks

Third Tab NestedMultiField

Region :-

country: india

Drag components here

sidebar

sideber