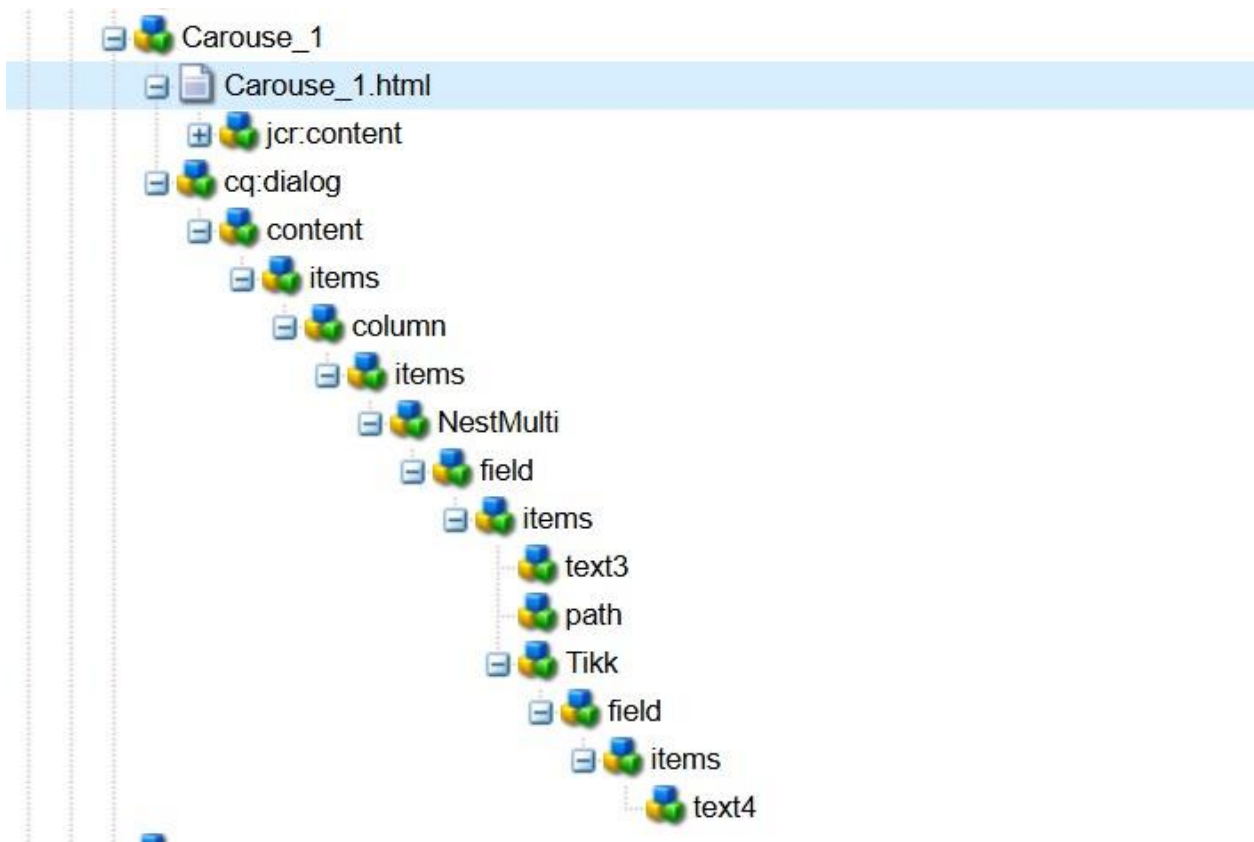# Task-2CODE

QUESTION

    1- Create a component named Carousel with nested multifield-> multifield (text, path, multifield (text))
  2- Render the authored field via sling model on page using HTL

Create a Component Named Carousel

- **Objective:** Develop an AEM component named "Carousel" that includes a nested multifield structure. This multifield will have the following structure:
    -
    - **Outer Multifield:**
        - **Text Field**
        - **Path Field**
        - **Inner Multifield:**
            - **Text Field**

. Render the Authored Field via Sling Model on Page Using HTL

- **Objective:** Render the data authored in the Carousel component using a Sling Model and HTL (HTML Template Language).
- **Steps:**
    1. **Create a Sling Model:**
        - Develop a Sling Model to map the data from the Carousel component.
        - Annotate the model with `@Model` and map the properties.

```java
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;

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

public class Task_3 {

    @ChildResource

    private List<Mp1>nest;

    public List<Mp1> getNest() {

        return nest;

    }

}
```

MULTIFIELD PROGRAM

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

import java.util.List;

import javax.inject.Inject;

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;

```java
@Model(adaptables = Resource.class,defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
public class Mp1 {

    @Inject
    private String text3;
    @Inject
    private String path;
    @ChildResource
    private List<Nm>tikk;

    public String getText3() {
        return text3;
    }
    public String getPath() {
        return path;
    }
    public List<Nm> getTikk() {
```

```
        return tikk;

    }

}
```

NESTED MULTIFIELD

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


import javax.inject.Inject;


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

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

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


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

public class Nm {


    @Inject

    private String text4;


    public String getText4() {

        return text4;

    }

}
```

Render Data Using HTL:

- Use the Sling Model in your HTL file to render the Carousel component data

```html
<h2>Carouse component</h2>
```

```
<h2>nothing corousel</h2>

<div data-sly-use.obj="com.adobe.aem.guides.demo.core.models.Task_3">

  <div data-sly-list.object="${obj.nest}">

    <p>Path :${object.path}</p>

    <h3>Text :${object.text3}</h3>

    <div data-sly-list.obje="${object.tikk}">

     <h3>Text :${obje.text4}</h3>

    </div>

  </div>

</div>
```