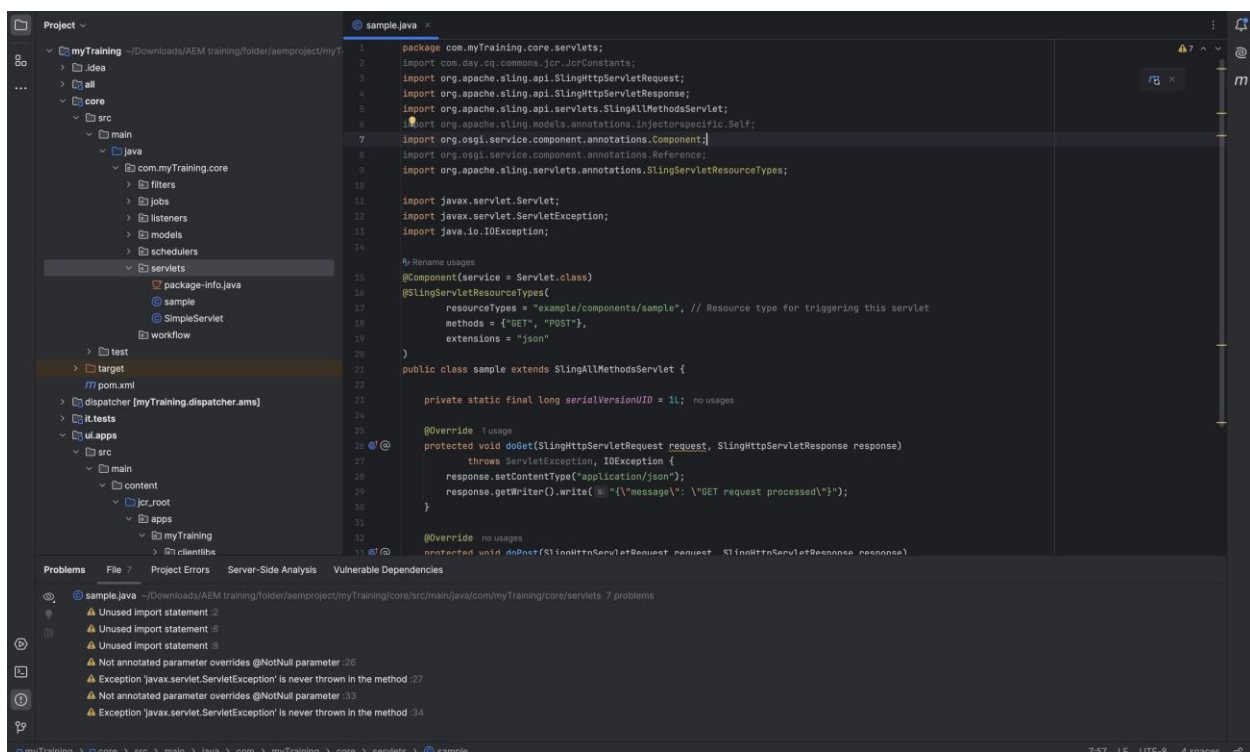


25-03-2025 TASK

BY HARINI.A

1.Create SampleServlet extend the SlingAllMethod Servlet and register it using resourceType



```
1 package com.myTraining.core.servlets;
2 import com.day.cq.commons.jcr.JcrConstants;
3 import org.apache.sling.api.SlingHttpServletRequest;
4 import org.apache.sling.api.SlingHttpServletResponse;
5 import org.apache.sling.api.servlets.SlingAllMethodsServlet;
6 import org.apache.sling.models.annotations.injectorspecific.Self;
7 import org.osgi.service.component.annotations.Component;
8 import org.osgi.service.component.annotations.Reference;
9 import org.apache.sling.servlets.annotations.SlingServletResourceTypes;
10
11 import javax.servlet.Servlet;
12 import javax.servlet.ServletException;
13 import java.io.IOException;
14
15 @Component(service = Servlet.class)
16 @SlingServletResourceTypes(
17     resourceTypes = "example/components/sample", // Resource type for triggering this servlet
18     methods = {"GET", "POST"},
19     extensions = "json"
20 )
21 public class sample extends SlingAllMethodsServlet {
22
23     private static final long serialVersionUID = 1L; // no usages
24
25     @Override // usage
26     protected void doGet(SlingHttpServletRequest request, SlingHttpServletResponse response)
27         throws ServletException, IOException {
28         response.setContentType("application/json");
29         response.getWriter().write("{\"message\": \"GET request processed\"}");
30     }
31
32     @Override // no usages
33     protected void doPost(SlingHttpServletRequest request, SlingHttpServletResponse response)
34         throws ServletException, IOException {
35     }
36 }
```

Problems 7

- sample.java -> Downloads/AEM training folder/aemproject/myTraining/core/src/main/java/com/myTraining/core/servlets: 7 problems
- Unused import statement: 2
- Unused import statement: 8
- Unused import statement: 9
- Not annotated parameter overrides @NotNull parameter: 26
- Exception 'javax.servlet.ServletException' is never thrown in the method: 27
- Not annotated parameter overrides @NotNull parameter: 33
- Exception 'javax.servlet.ServletException' is never thrown in the method: 34

1. GET Request

If you hit the servlet with a **GET** request like:

<http://localhost:4502/content/sample-page/jcr:content.sample.json>

(Assuming `/content/sample-page` has the resource type `example/components/sample`),
Response (JSON format):

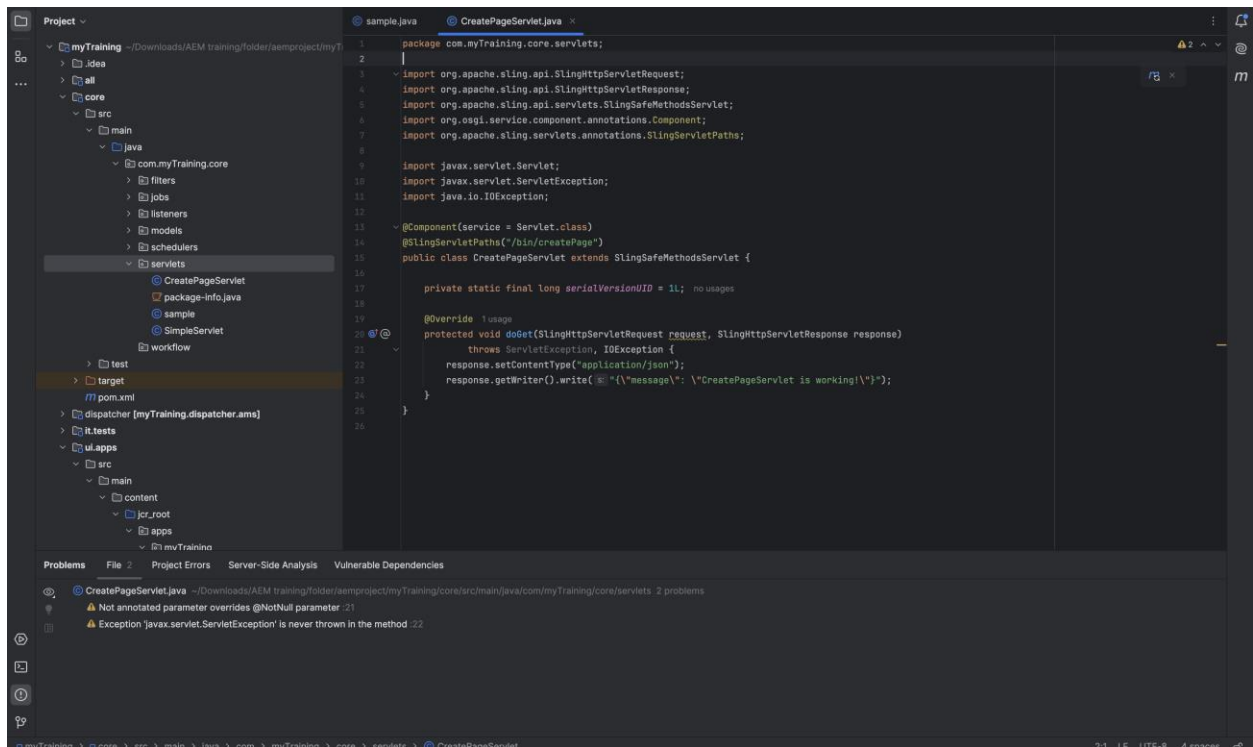
```
json
CopyEdit
{
  "message": "GET request processed"
}
```

2. POST Request

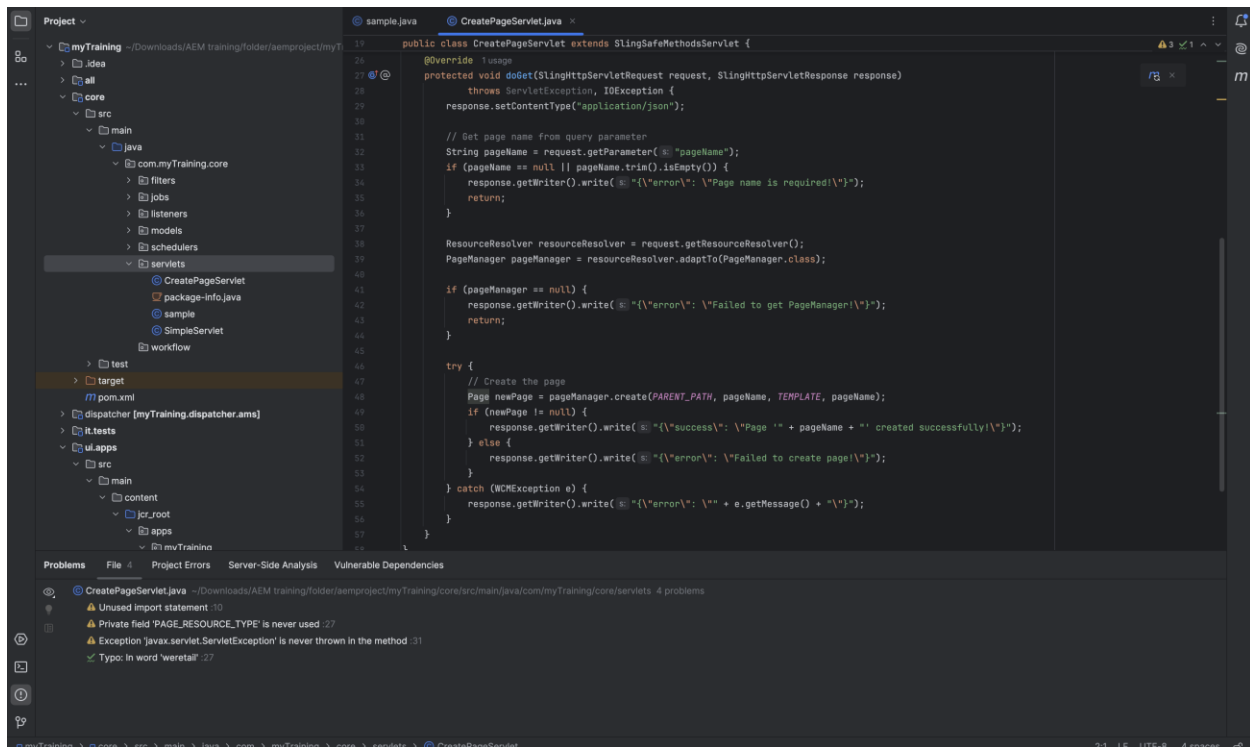
If you send a **POST request** to the same URL,
Response:

```
json
CopyEdit
{
  "message": "POST request processed"
}
```

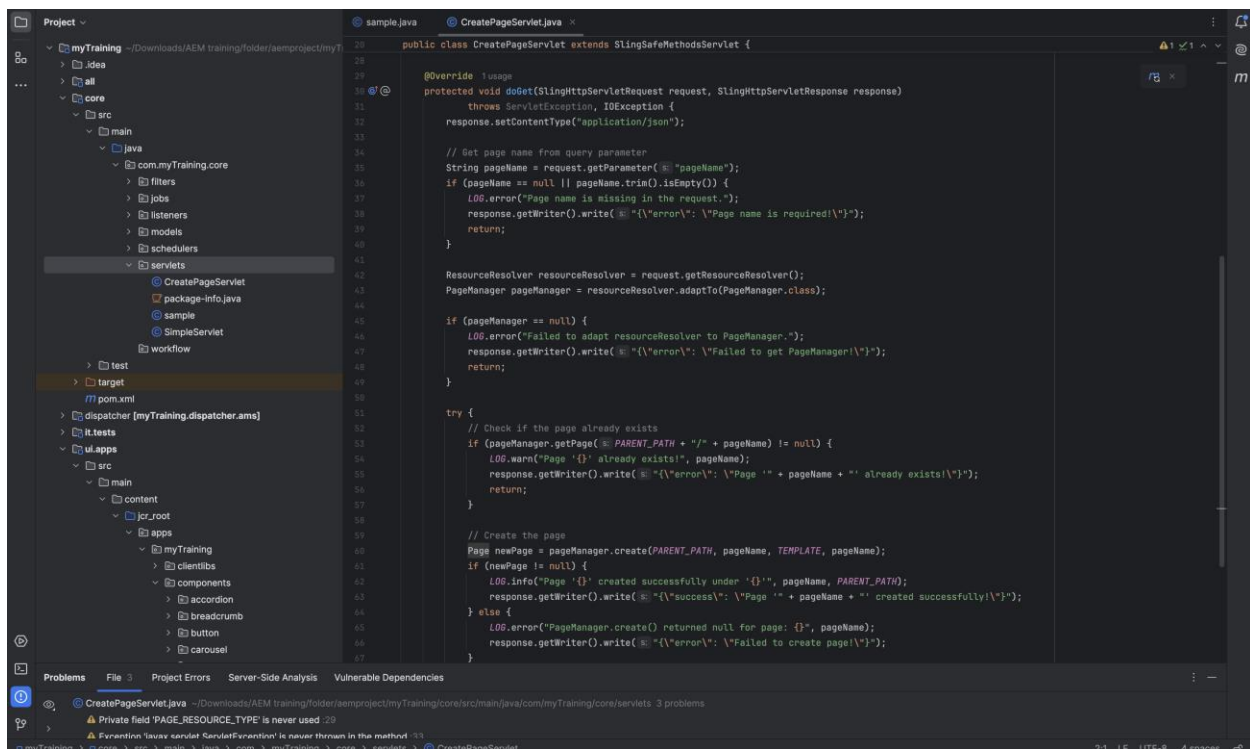
2. Create `CreatePageServlet` extend the `SlingSafeMethod Servlet` and register it using path



3. Take page name from user and create pages in aem using above servlet



4. Use page Manager Apis for above task.



5. Create one SearchServlet to search the content using PredicateMap to search the content from pages

