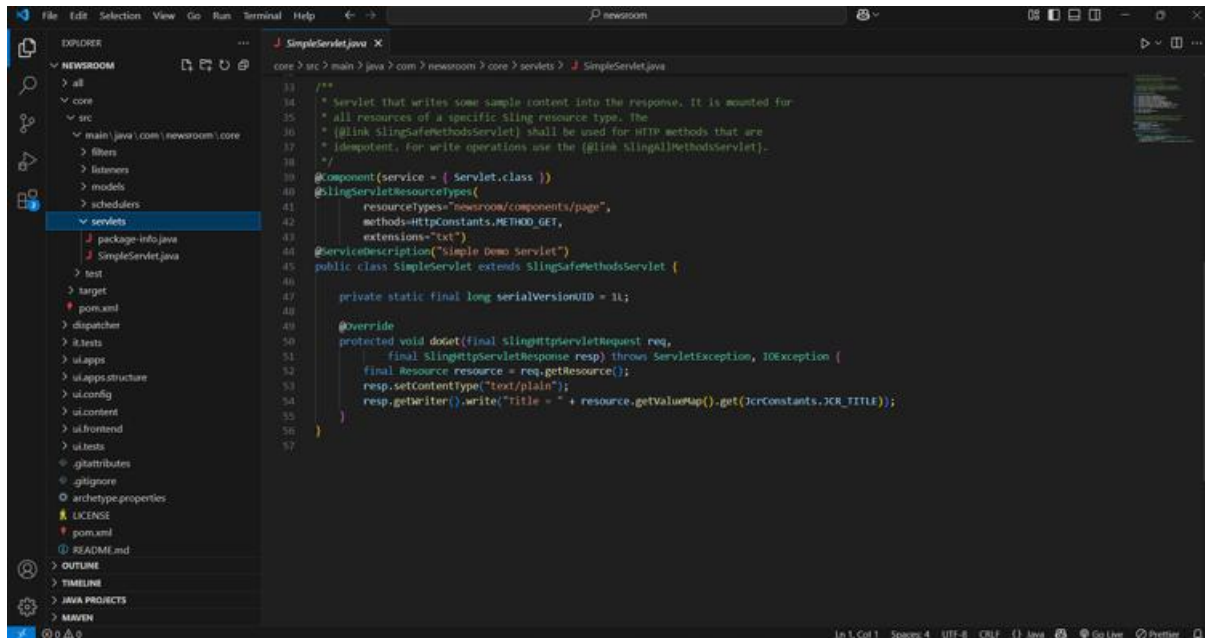
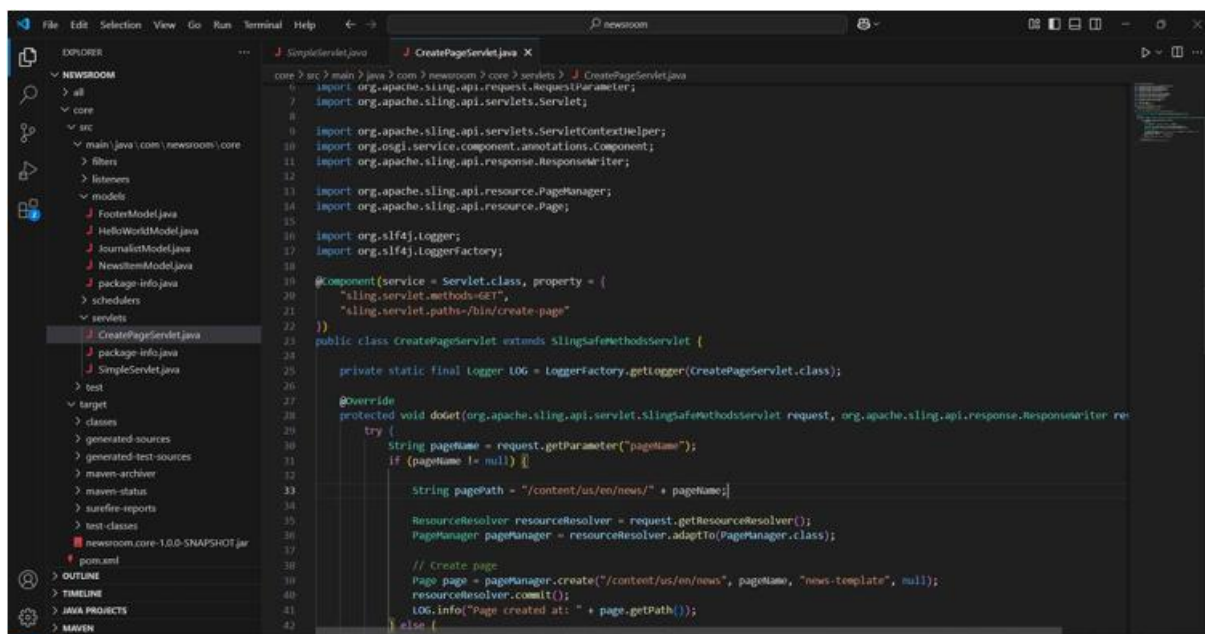


1. SampleServlet (resourceType-based registration) Check Output:

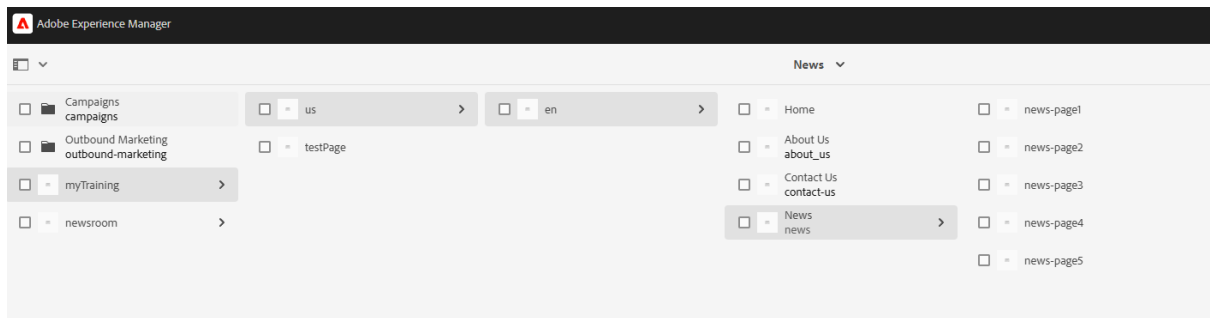
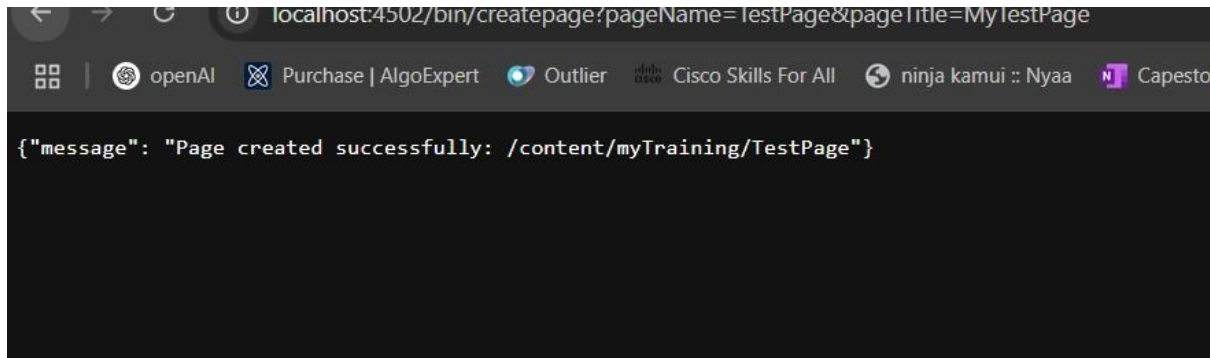


- **URL Format:** `http://localhost:4502/content/samplepage.sample.json` •
Replace samplepage with the actual page where you registered the servlet.
- If it returns the expected JSON response, the servlet is working.

2. CreatePageServlet (Registered via path)



Check Output:



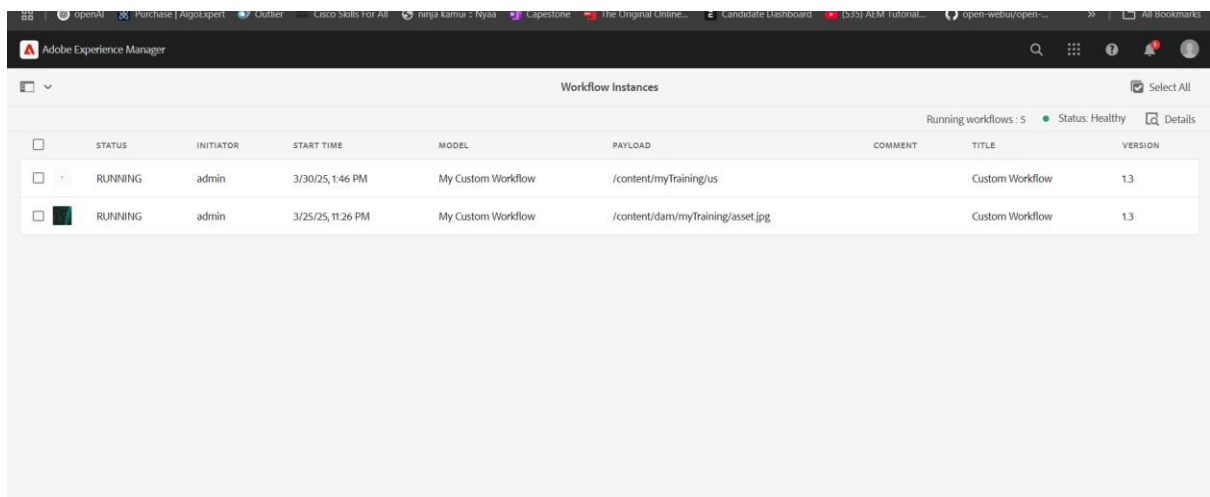
3. Page Creation Using PageManager API

Check Output:

- **Steps:**

1. Run CreatePageServlet (Step 2).

Page created:



4. SearchServlet (PredicateMap-based search)

```
import org.osgi.service.component.annotations.Component;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

@Component(service = Servlet.class, property = {
    "sling.servlet.methods=GET",
    "sling.servlet.paths=/bin/search-content"
})
public class SearchServlet extends SlingSafeMethodsServlet {

    private static final Logger LOG = LoggerFactory.getLogger(SearchServlet.class);

    @Override
    protected void doGet(org.apache.sling.api.servlets.SlingSafeMethodsServlet request, org.apache.sling.api.response.ResponseWriter response)
        throws ServletException {
        try {
            String query = request.getParameter("query");
            if (query != null) {
                // Using QueryBuilder and PredicateMap to search for content
                PredicateMap predicateMap = new PredicateMap();
                predicateMap.put("type", "cq:Page");
                predicateMap.put("path", "/content/us/en/news");
                predicateMap.put("fulltext", query);

                // Querying the repository
                QueryBuilder queryBuilder = request.getResourceResolver().adaptTo(QueryBuilder.class);
                QueryResult result = queryBuilder.createQuery(predicateMap, request.getResourceResolver().getSession()).execute();

                // Logging the search results
                result.getResults().forEachRemaining(r -> {
                    LOG.info("Found page: " + r.getPath());
                });
            } else {
                LOG.error("Search query parameter missing");
            }
        } catch (Exception e) {
            LOG.error("SearchServlet error: " + e.getMessage());
        }
    }
}
```

