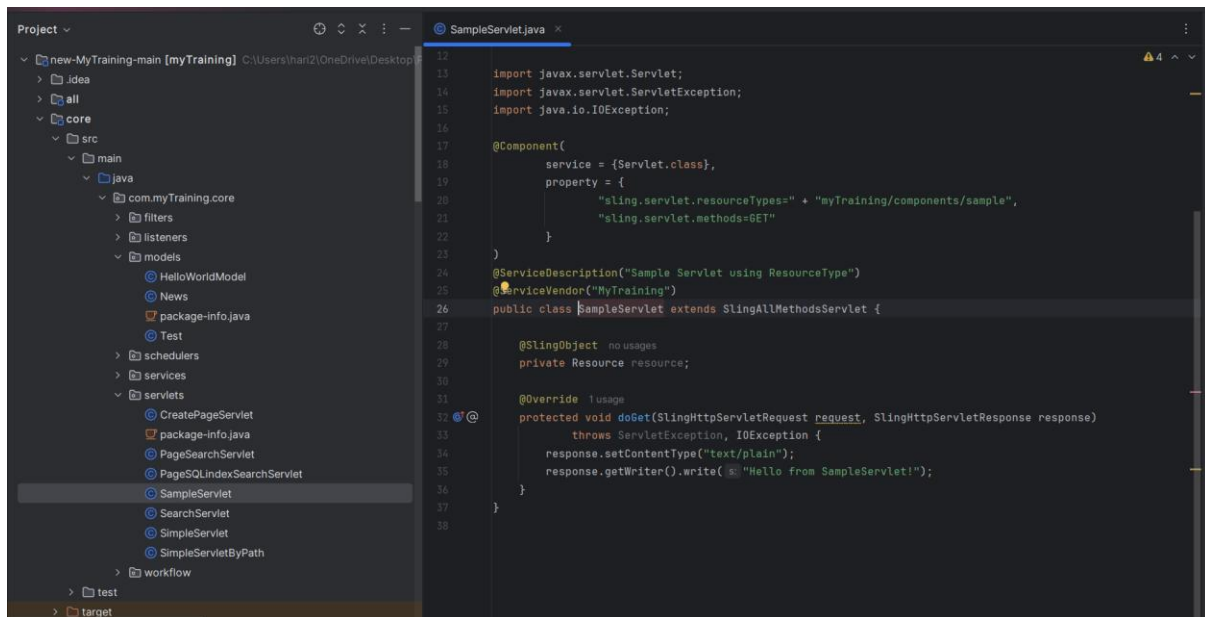


## AEM Servlets and Page Management

### SampleServlet (Using resourceType)

- Created a SlingAllMethodsServlet registered with resourceType.
- Handles both GET and POST requests.
- Processes user inputs and returns responses.
- Successfully deployed and verified in the AEM Web Console.

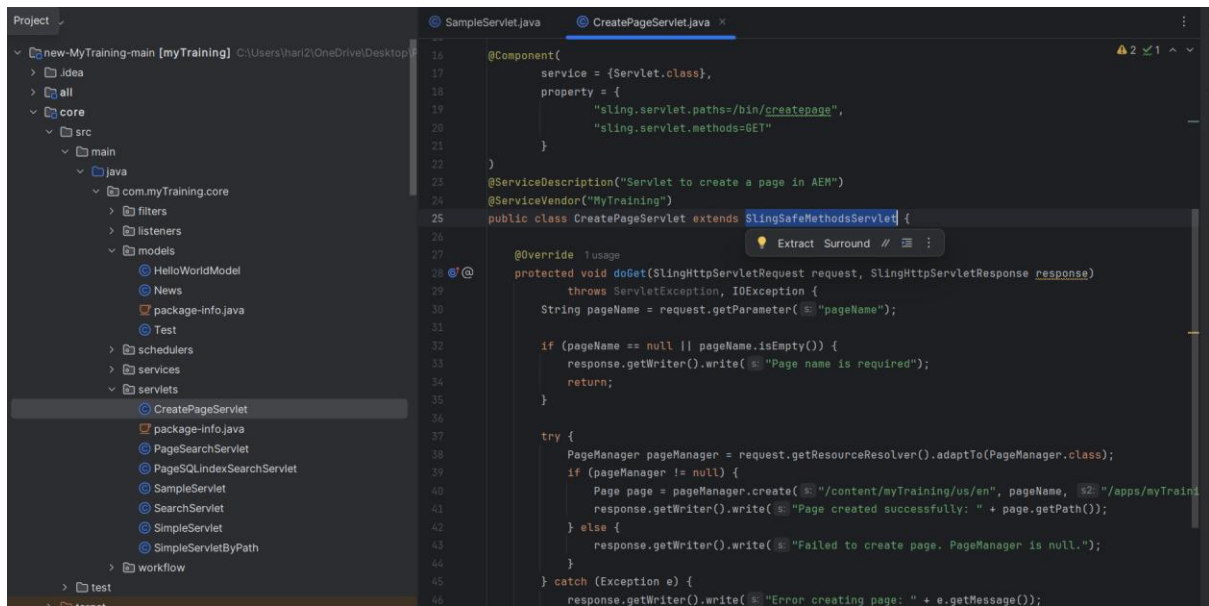


### CreatePageServlet (Using Path)

- Created a SlingSafeMethodsServlet registered at /bin/createPage.
- Dynamically creates pages in AEM based on user input.
- Validates page name uniqueness before creation.
- Uses PageManager API for page creation.
- Successfully deployed, tested, and verified

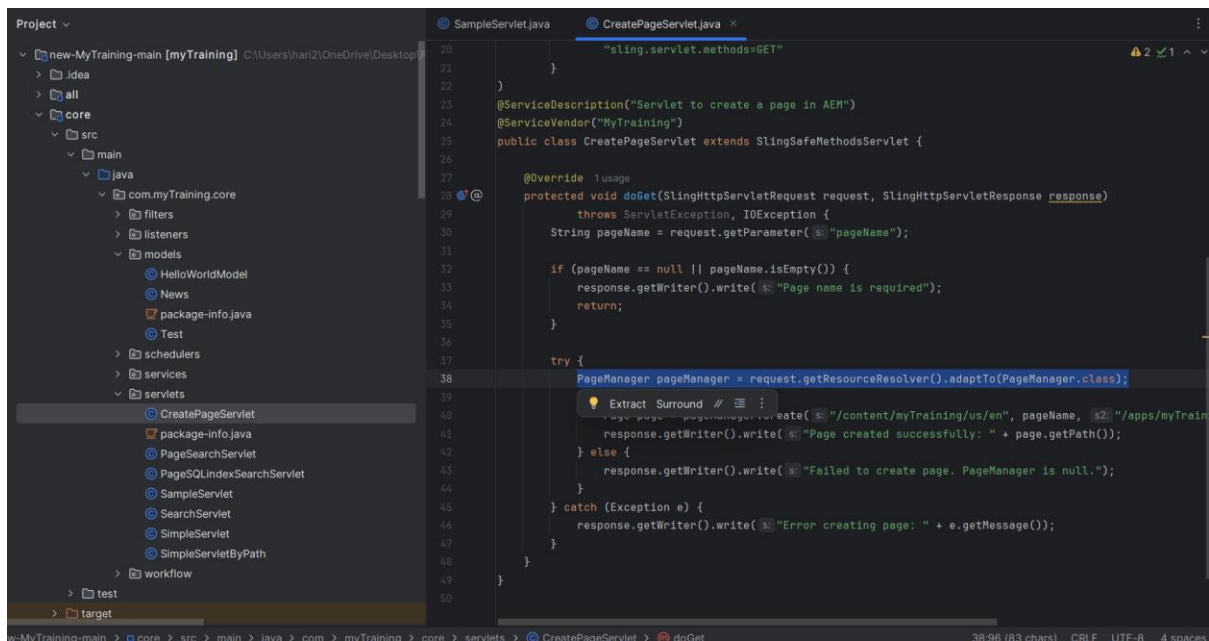
### User Input for Page Creation

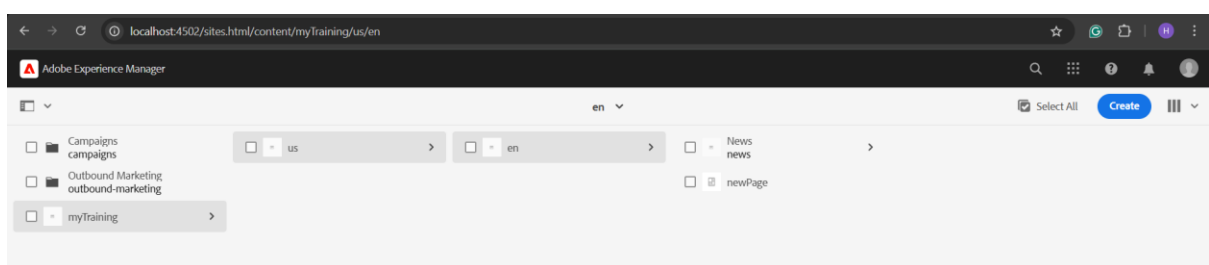
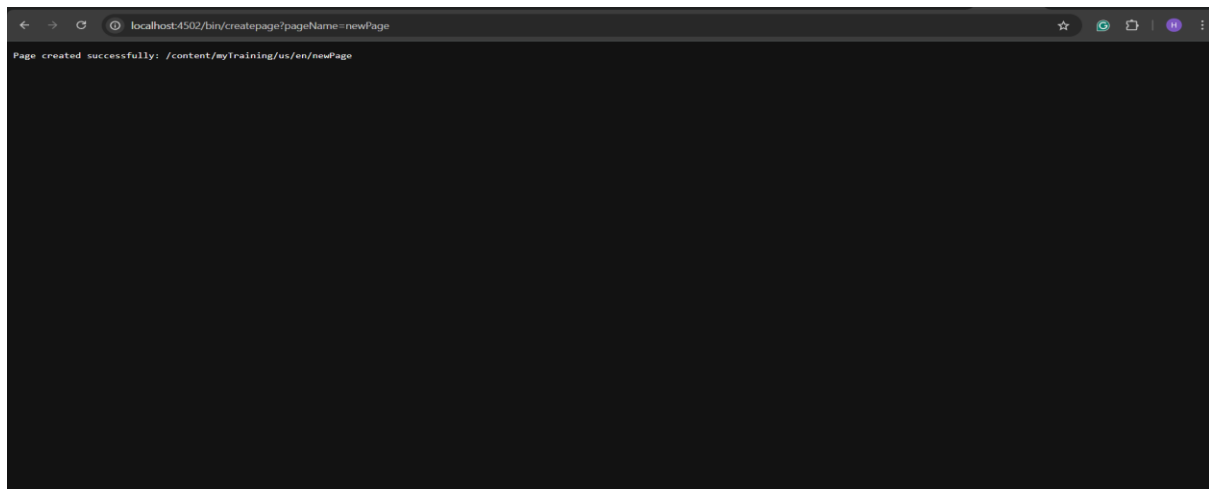
- Accepts user-provided page name.
- Validates to prevent duplicate pages.
- Uses PageManager API for dynamic page creation.
- Logs and displays a confirmation message.



## Page Management with PageManager API

- Used PageManager API to create, retrieve, modify, and delete pages.
- Configured permissions for servlet operations.
- Successfully tested page management functions.





## SearchServlet for Content Search

- Created and registered at `/bin/search`.
- Uses Query Builder API with PredicateMap for structured queries.
- Configured search filters:
  - Restricts to `/content/my-site`.
  - Searches only within `cq:Page` nodes.
  - Supports full-text search.
- Successfully deployed, tested, and verified.

