

Task 6.1P: Error and Logging

- For this assignment, I employed the new Error-logging web application which allows for setting up of own errors page and for reporting of faults in the console. The goal laid in the development of the application and the intentional creation of a error that was logged into the Eclipse console as well as the information that was displayed on the custom error page.

Error Page

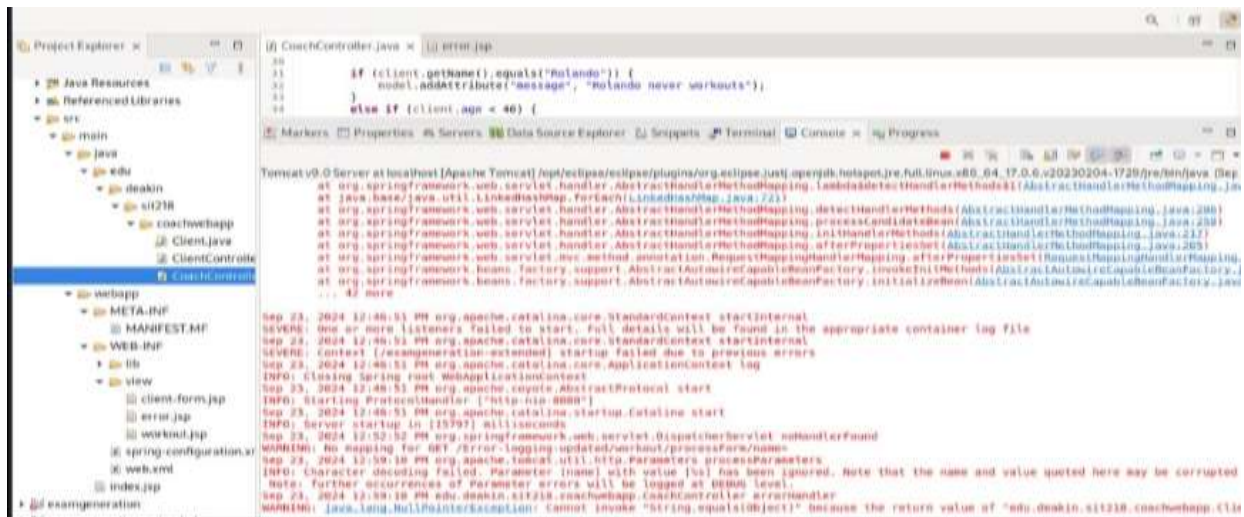
When I visited the web application in the browser using the following URL, an error was generated.



Oops!!!

something went wrong

- These were followed by the custom error page, and a record of the error details to the Eclipse console. The URL that is responsible for the above mentioned problem and the exception are present in the logs that are generated while go through the error.



OWASP Top Ten; Error Handling and Information Leakage

- The OWASP Top Ten criteria listed below are especially relevant to error messages that expose end users to excessive or sensitive information
 - ✓ A05:2021 - Security Misconfiguration: Hackers may easily understand the structure of the application and its settings from stack traces along with other extra information placed in error messages.
 - ✓ A09:2021 - Security Logging and Monitoring Failures: Compromise of logging may not only render large-scale security incidents unrecognized, but also reveal private information.
 - ✓ A01:2021 - Broken Access Control: Some program areas, they said, may contain sensitive information that may be disclosed due to the error messages given.
- The integration of the new web application for error logging and also the custom error handling was effective. This assured the user's privacy on the aspects of the other information especially the private information and in addition saw to it that there were detailed logs in case of bugs.