Welcome

Error Handling and Logging

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Error handling

- Core level error handling with try-catch-finally
- Re-throw the exceptions inside catch or finally with additional descriptive messages.
- Catch the higher level exceptions first.
- The *Throwable catches all exceptions as well as* all errors
- New Try-With-Resource statement
- Never ignore the exceptions
- Trace the exception route by using stack-trace.
- Clean up the resources or call stack in case of large nested calls.

High Level Error handling

- Error page dispatcher in java server pages with central error page handler.

- Centralized error handler in Struts web application.

- Centralized error dispatcher in Spring MVC web application.

- Error beans in Java server Faces application

- Application error logs.

Logging Frameworks

- Console logging
- File Logging
- Trace the log
- Log4J
- SLF4J
- Logging levels : info, warn, error, debug
- Server specific log generation i.e. tomcat, weblogic logs
- Application logging

Error validation

- Search and compare the error text manually.
- Filter out the text
- Pass the error text to pattern matcher in java
- Apply the Strategy design pattern for selection of validation pattern.