Logging LLD Backing Document Failure Cases: Eden Fresh

Team Web Crawlers

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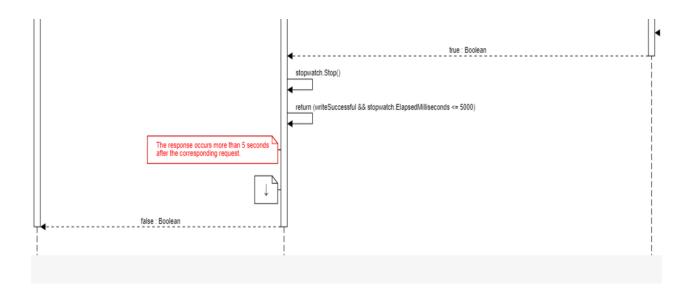
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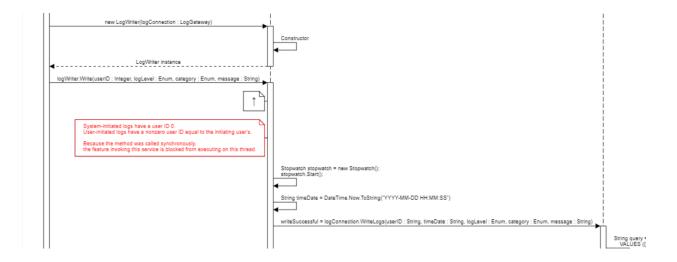
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1 Logging Fail 1 - Timeout



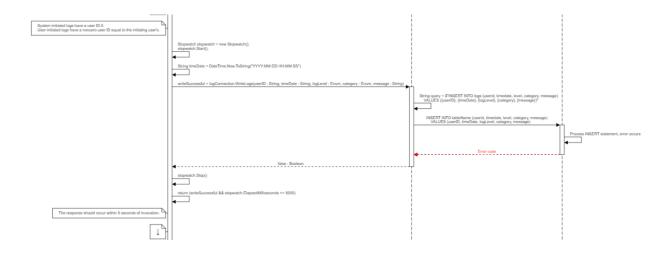
- The logging process took longer than 5 seconds to complete upon invocation
- The logging process takes longer than 5 seconds to complete logging events. It sets a
 time limit for the system to give up on getting the log. This fail case can prevent the
 system from endlessly waiting for a server to respond.

2 Logging Fail 2 - Block



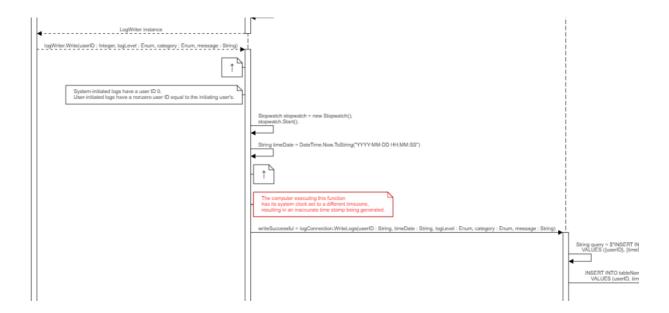
- The logging process blocks a user from interacting with the system
- The logging process blocks a user from interacting with the system. As the system needs to log user success and failure events, users should be able to interact with the system. This fail case prevents users being blocked from interacting with the system.

3 Logging Fail 3 - Did not save



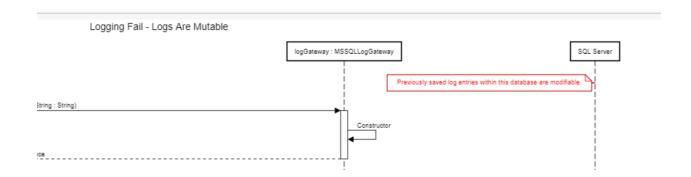
- The logging process completes within 5 seconds, but did not save to a persistent data store
- The logging process completes within 5 seconds. The process of building queries of log entries to connect the sql server may have problems. The log entries are not being saved to the sql server. It prevents log entries not being saved to a persistent data store.

4 Logging Fail 4 - Inaccurate Save



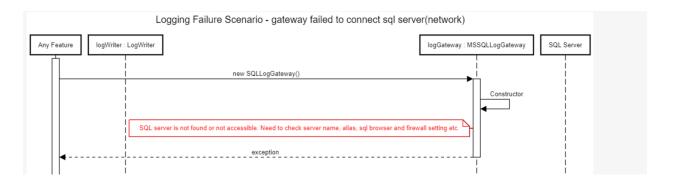
- The logging process completes within 5 seconds, but does not accurately save the event to the persistent data store (i.e. timestamp, log level, category, message, etc.)
- When the return row from the SQL server doesn't match the content with the writeLogs function, it removes the inserted row from the sql server. It prevents inaccurate data save to the specific SQL server table.

5 Logging Fail 5 - Logs Are Mutable



- Previously saved log entries are modifiable
- All log entries must be immutable. Log events saved to sql server shouldn't be changed.
 It prevents previously saved log entries from being modified.

6 Logging Extra Failure Case : gateway failed to connect sql server(network)



 The Logging Extra Failure case happened when user try to access gateway it Failed to connect sql server network