

# LOW-LEVEL DESIGNS DOCUMENT

## Hubba - Logging

Version 1.1

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Class: CECS 491-04

Date: November 2, 2022

Github Repository:

<https://github.com/DevelopmentHellaHell/SeniorProject>

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## **Revision History**

| Version | Overview      | Date             |
|---------|---------------|------------------|
| v.1.0   | Initial LLD   | October 23, 2022 |
| v1.1    | LLD revisions | November 3, 2022 |
|         |               |                  |
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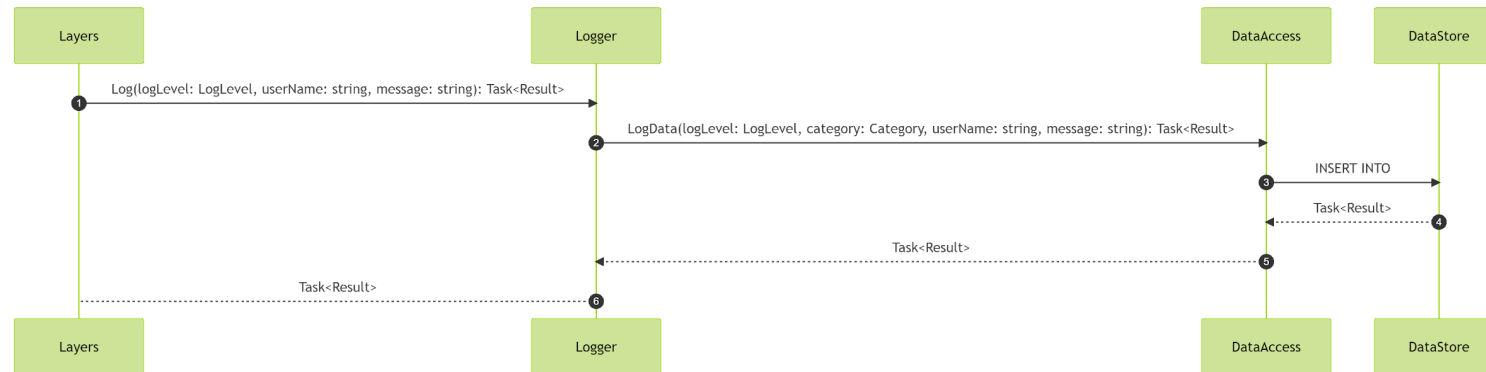
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## Low Level Design



## Success Use Case(s)

1. The system can log system and user success or events into the database.

The IsSuccessful field for each returned Result should be true for all success use cases. The Task is awaited in an asynchronous function and returns the result from the lower layers.

## Failure Use Case(s)

1. The logging process does not complete within 5 seconds.
2. The logging process blocks a user from interacting with the system.
3. The logs were not saved within a persistent data store.
4. The logs were not saved accurately in the persistent datastore.
5. Previous logs are mutable.

These failure cases will occur when the IsSuccessful field for each returned Result is false. Since the returned value of the logger is a Task<Result>, the function calling the logger is asynchronous and will not block the user.

## Class Diagram

