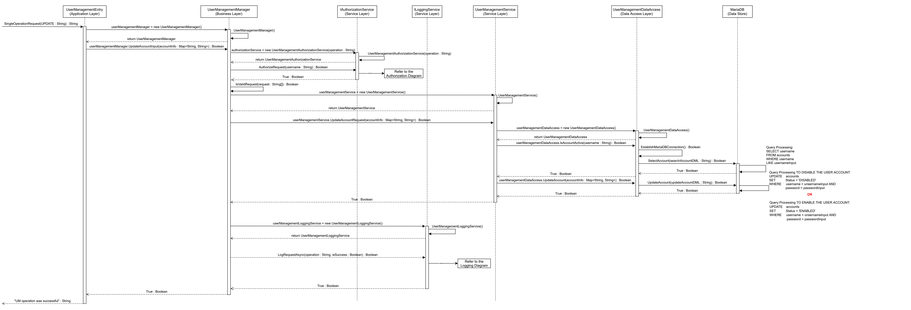
Disable/Enable SUCCESS CASE DIAGRAM

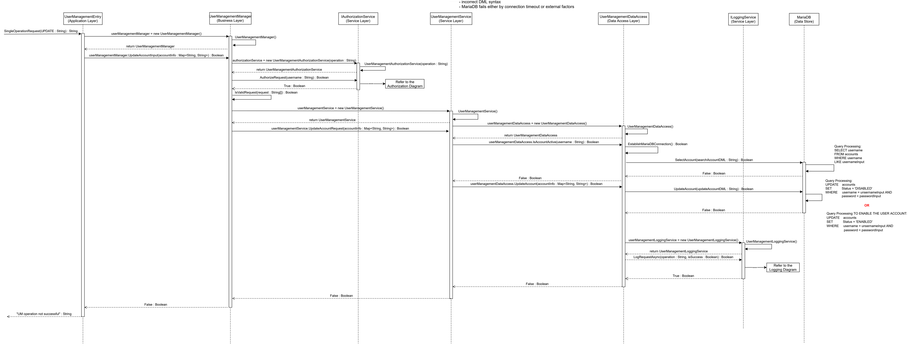


Disable Success Scenario
1. Single Request is made for the DISABLE Operation
2. New instance of DisableAccountManager is successfully created
3. Input Account Ids
4. Validate request, the following is checked
   - Does the input provide all necessary information for the operations request
5. Call the Execute of DisableAccountManager Created
6. New instance of DisableAccountService is created
7. New instance of AuthorizationService is created with the validated input
8. New instance of DisableAccountServiceJava is created
9. Check if the account already exists using the username
10. Establish connection to the MariaDB connection in DataAccess if not already opened
11. Perform a SELECT query on the Accounts table in the database:
    SELECT *
    FROM accounts
    WHERE username
    LIKE username#input
    Return TRUE if found
12. Return TRUE if the service if an account is in existence, and continue
13. Update the account status with the account information provided
15. Write to the LOG identifying that the account has been removed
16. Perform UPDATE query:
    UPDATE accounts
    SET Status = 'DISABLED'
    WHERE username = username#input AND
    password = password#input
15. Returns TRUE if the account is successfully disabled from the database
16. Returns TRUE to the service if the account was successfully updated
17. Returns TRUE to the manager if the request was successfully completed
18. Returns TRUE to the system
19. Writes to the LOG the account number that was disabled and description of the action

Enable Success Scenario
1. Single Request is made for the ENABLE Operation
2. New instance of EnableAccountManager is successfully created
3. Input Account Ids
4. Validate request, the following is checked
   - Does the input provide all necessary information for the operations request
5. Call the Execute of EnableAccountManager Created
6. Call the Execute of EnableAccountManager Created
7. New instance of EnableAccountService is created with the validated input
8. New instance of the EnableAccountServiceJava is created
9. Check if the account already exists using the username
10. Establish connection to the MariaDB connection in DataAccess if not already opened
11. Perform a SELECT query
    SELECT *
    FROM accounts
    WHERE username
    LIKE username#input
    Return TRUE if found
11. Return TRUE to the service if account is in existence, and continue
12. Update the account status with the account information provided
13. Write to the LOG identifying that the account has been removed
14. Perform UPDATE query:
    UPDATE accounts
    SET Status = 'ENABLED'
    WHERE username = username#input AND
    password = password#input
10. Returns TRUE if the account is successfully enabled from the database
11. Returns TRUE to the service if the account was successfully updated
12. Returns TRUE to the manager if the request was successfully completed
18. Returns TRUE to the system
19. Writes to the LOG the account number that was enabled and description of the action

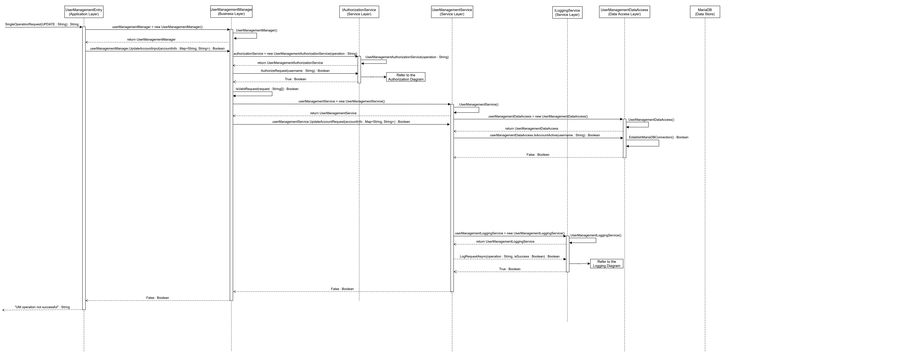
Disable/Enable FAILURE CASE DIAGRAM

Fail Case 1:
Account Not Updated into MariaDB
Reason(s)
- Incorrect CMIL syntax
- MariaDB fails either by connection timeout or external factors



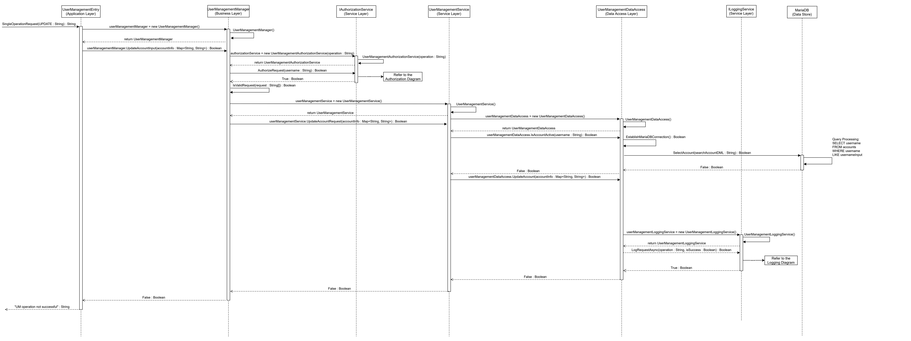
Disable/Enable FAILURE CASE DIAGRAM

Fail Case 2:
MariaDB Connection could not be Established
Reason(s)
- EstablishMariaDBConnection() returns False
- **NOTE**: continue to out this method until True
if still no connection after 5 seconds, log the error and end the process



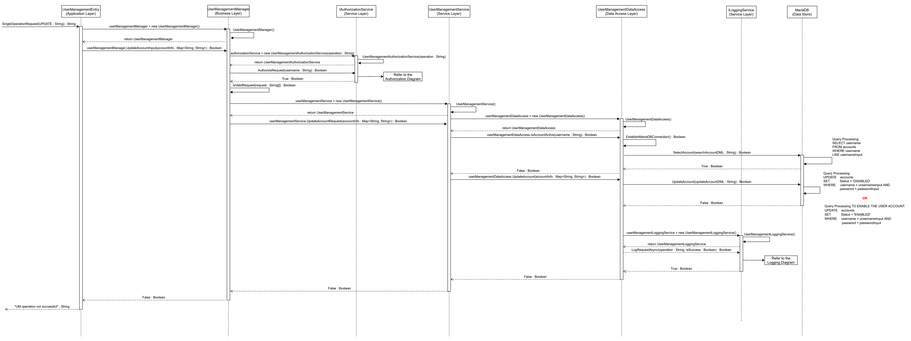
Disable/Enable FAILURE CASE DIAGRAM

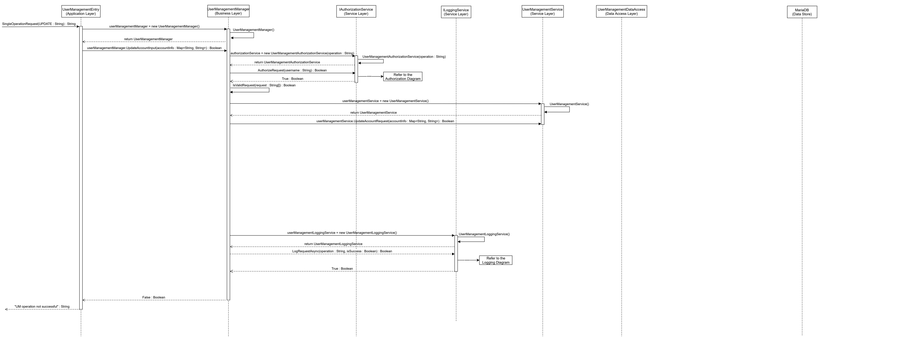
Fail Case 3:
Account does not exist in RDBMS



Disable/Enable FAILURE CASE DIAGRAM

Fail Case 4:
Account status did not change from the Data Store
due to system error/connection failures



Disable/Enable FAILURE CASE DIAGRAM

Fail Case 5:
User Management Service Creation Fails