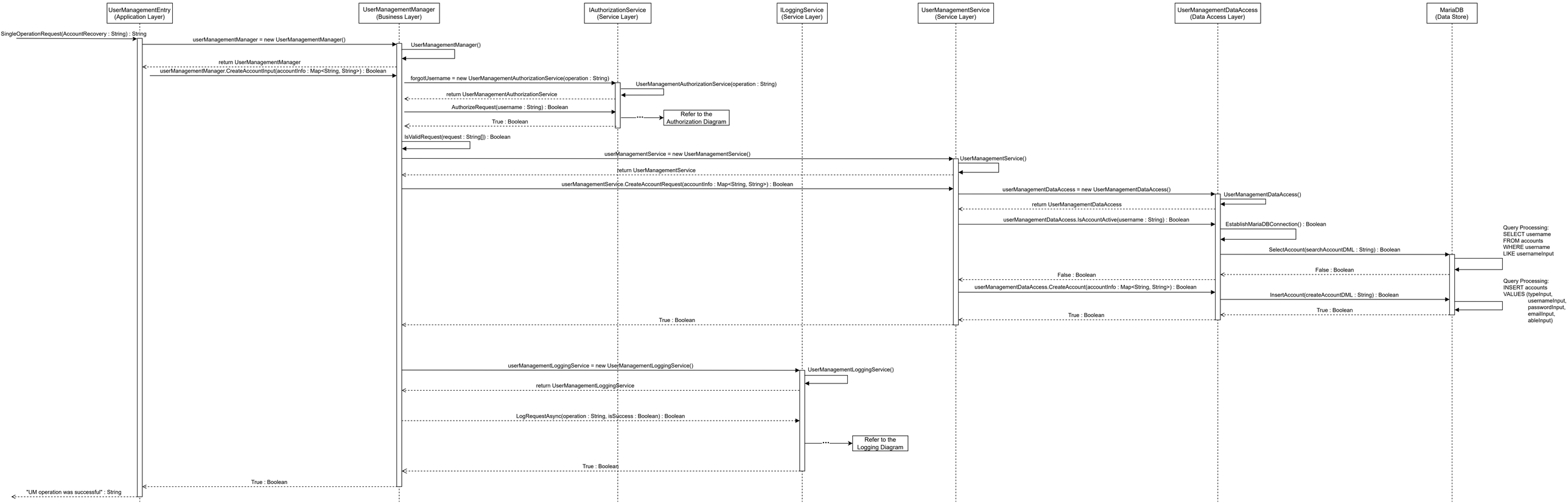
Account Recovery Operation

SUCCESS CASE DIAGRAM



Success Scenario

1. Single Request is made for the ACCOUNT RECOVERY operation
2. New instance of forgotUsername is created
3. Input account email
4. Check if request is valid, the following is checked:
- does the input follow the appropriate regex
- does the input contain all necessary info for the operation request
5. New instance of CreateAccountService is created
6. Call the CreateAccount Service to process operation with the validated input
7. New instance of CreateAccountDataAccess is created
8. Check if the account already exists using the username
9. Establish the MariaDB connection in DataAccess if not already opened
10. Perform a SELECT query on the Accounts table in the database:
    SELECT username
    FROM accounts
    WHERE username
    LIKE usernameInput
    Returns FALSE if not found.
11. Return FALSE to the Service if no account already exists, and continue
12. Create the account with the account info
13. Perform a INSERT query on the Accounts table in the database:
    INSERT accounts
    VALUES (typeInput, usernameInput,
    passwordInput, emailInput,
    ableInput)
    Returns TRUE if account is successfully created.
14. Return TRUE to the Service if the account was successfully created
15. Return TRUE to the Manager if the request was successfully performed
16. Return TRUE to System and follow with the appropriate Logging for this operation