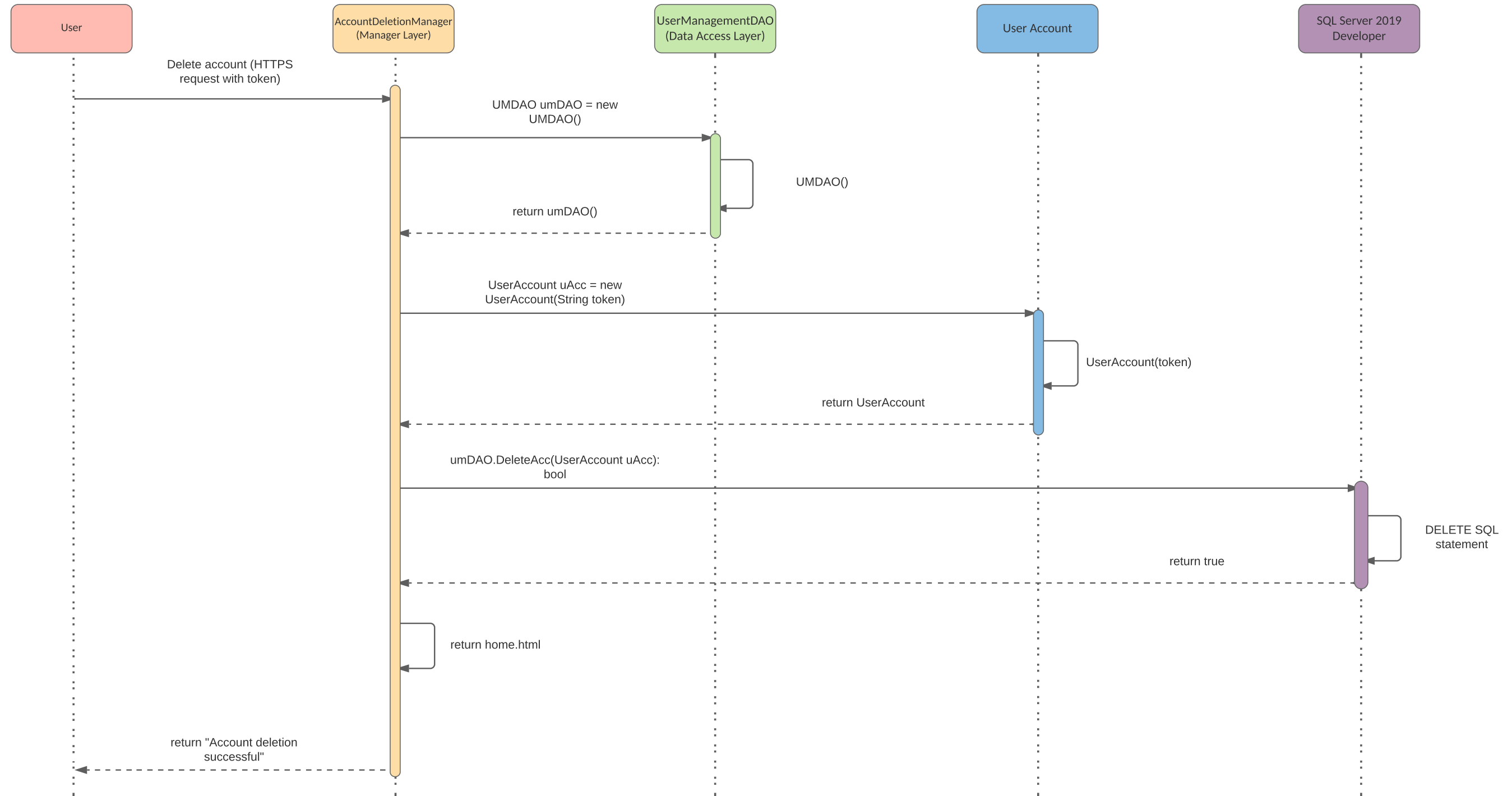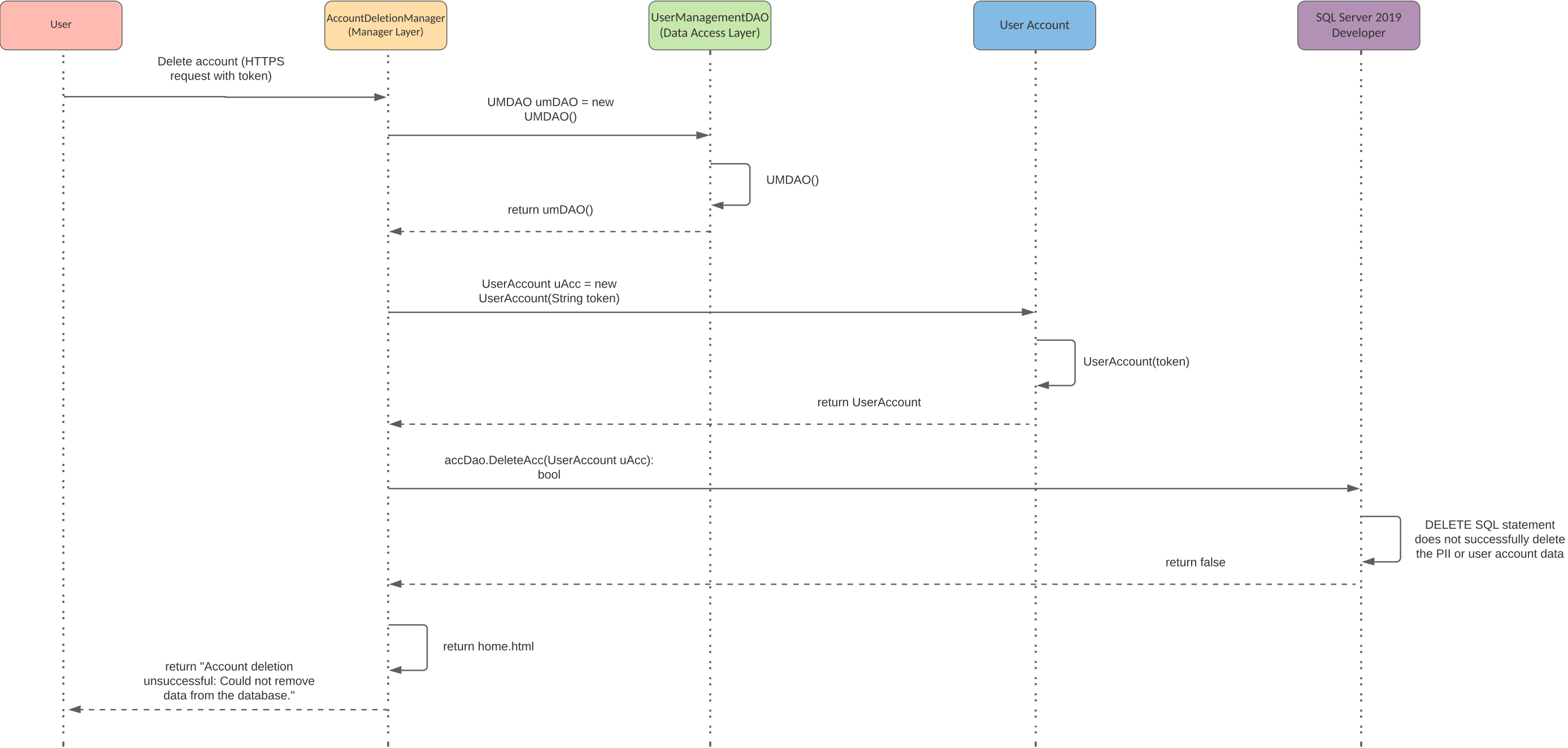# Success case #1: User choses to delete account and confirms action. All PII data and user account data is permanently deleted from the system. A system message displays "Account deletion successful". Upon acknowledgment of system message, the user is automatically navigated to the home view with default language and culture settings.

3-6-2022 12:37

User	AccountDeletionManager (Manager Layer)	UserManagementDAO (Data Access Layer)	User Account	SQL Server 2019 Developer

Delete account (HTTPS request with token) → AccountDeletionManager

AccountDeletionManager → UserManagementDAO: UMDAO umDAO = new UMDAO()

UserManagementDAO: UMDAO()

UserManagementDAO ⇠ AccountDeletionManager: return umDAO()

AccountDeletionManager → User Account: UserAccount uAcc = new UserAccount(String token)

User Account: UserAccount(token)

User Account ⇠ AccountDeletionManager: return UserAccount

AccountDeletionManager → SQL Server 2019 Developer: umDAO.DeleteAcc(UserAccount uAcc): bool

SQL Server 2019 Developer: DELETE SQL statement

SQL Server 2019 Developer ⇠ AccountDeletionManager: return true

AccountDeletionManager: return home.html
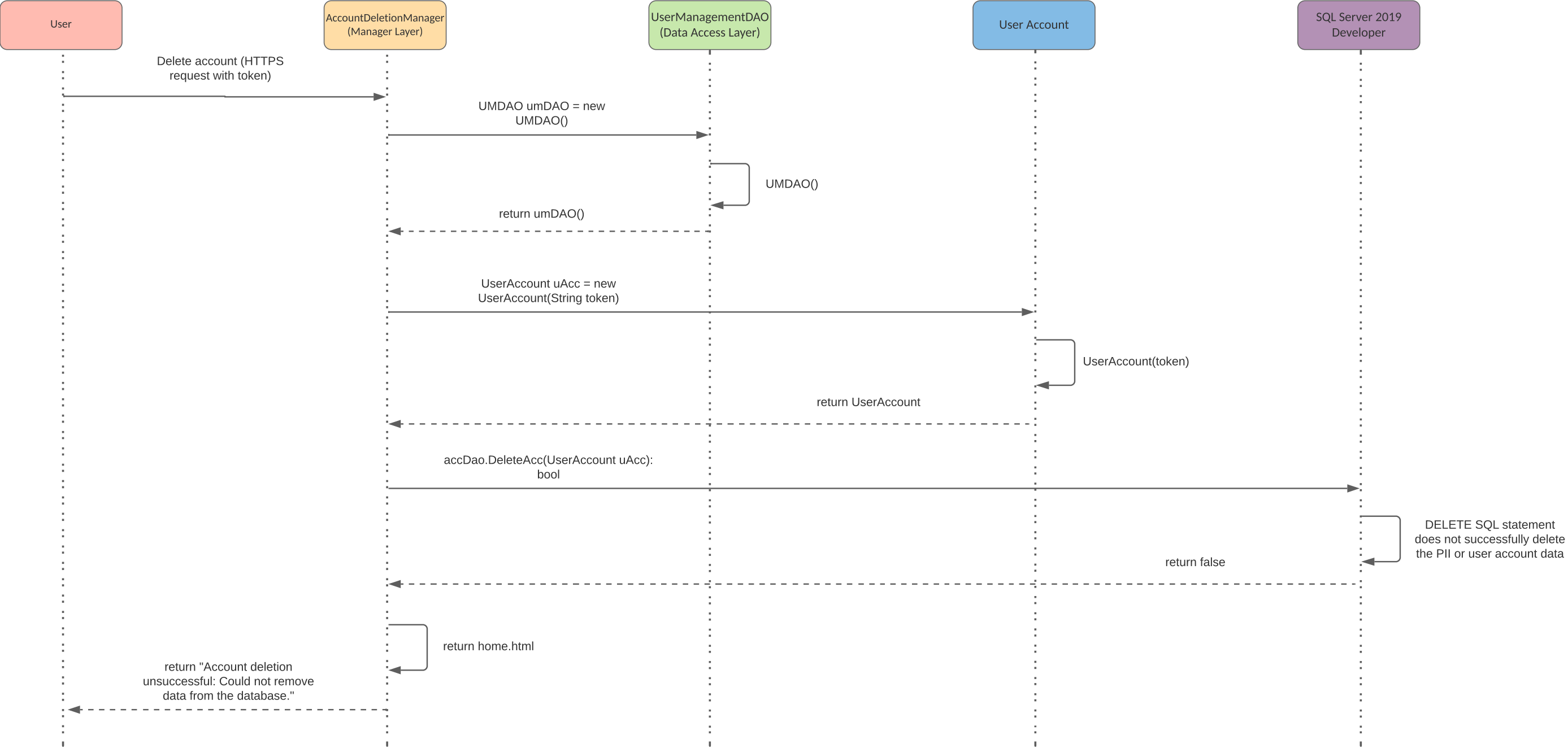
AccountDeletionManager ⇠ User: return "Account deletion successful"

Failure case 1: User choses to delete account and confirms action, but system does not delete both PII data or user account data.

3-6-2022 12:37

User	AccountDeletionManager (Manager Layer)	UserManagementDAO (Data Access Layer)	User Account	SQL Server 2019 Developer

Delete account (HTTPS request with token)

UMDAO umDAO = new UMDAO()

UMDAO()

return umDAO()

UserAccount uAcc = new UserAccount(String token)

UserAccount(token)

return UserAccount

accDao.DeleteAcc(UserAccount uAcc): bool

DELETE SQL statement does not successfully delete the PII or user account data

return false

return home.html

return "Account deletion unsuccessful: Could not remove data from the database."

Failure Case #2: Data is not permanently deleted from the system.

3-6-2022 12:37

| User | AccountDeletionManager (Manager Layer) | UserManagementDAO (Data Access Layer) | User Account | SQL Server 2019 Developer |

Delete account (HTTPS request with token)

UMDAO umDAO = new UMDAO()

UMDAO()

return umDAO()

UserAccount uAcc = new UserAccount(String token)

UserAccount(token)

return UserAccount

accDao.DeleteAcc(UserAccount uAcc): bool

DELETE SQL statement does not successfully delete the PII or user account data

return false

return home.html

return "Account deletion unsuccessful: Could not remove data from the database."
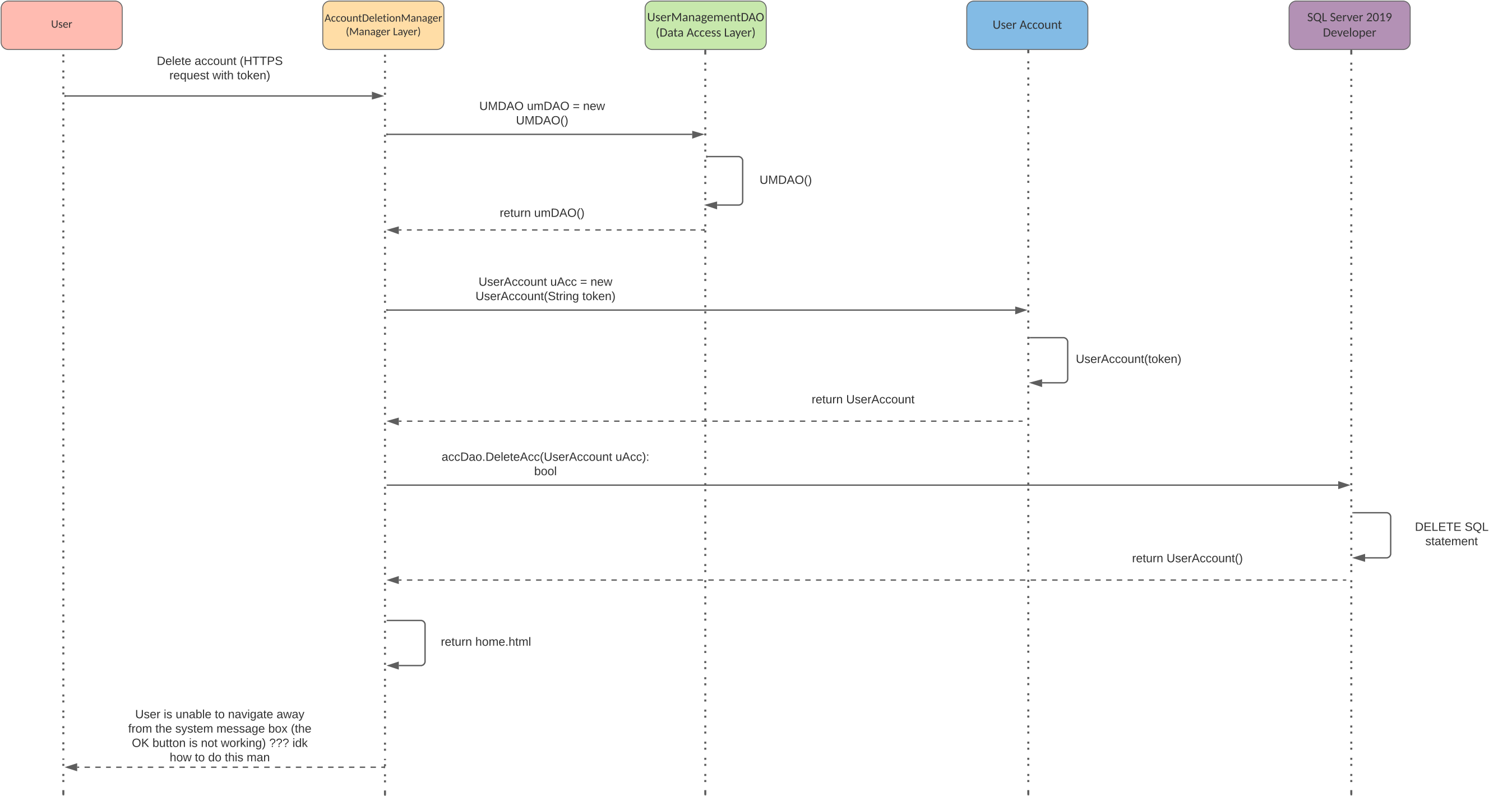
Failure Case #3: A system message is not shown or the wrong message is shown after all PII data and user account data is permanently deleted from the system.

3-6-2022 12:37

User	AccountDeletionManager (Manager Layer)	UserManagementDAO (Data Access Layer)	User Account	SQL Server 2019 Developer

Delete account (HTTPS request with token)

UMDAO umDAO = new UMDAO()

UMDAO()

return umDAO()

UserAccount uAcc = new UserAccount(String token)

UserAccount(token)

return UserAccount

accDao.DeleteAcc(UserAccount uAcc): bool

DELETE SQL statement

return UserAccount()

return home.html

returns either the wrong message or does not show a pop-up window containing the system message: "Account deletion successful."
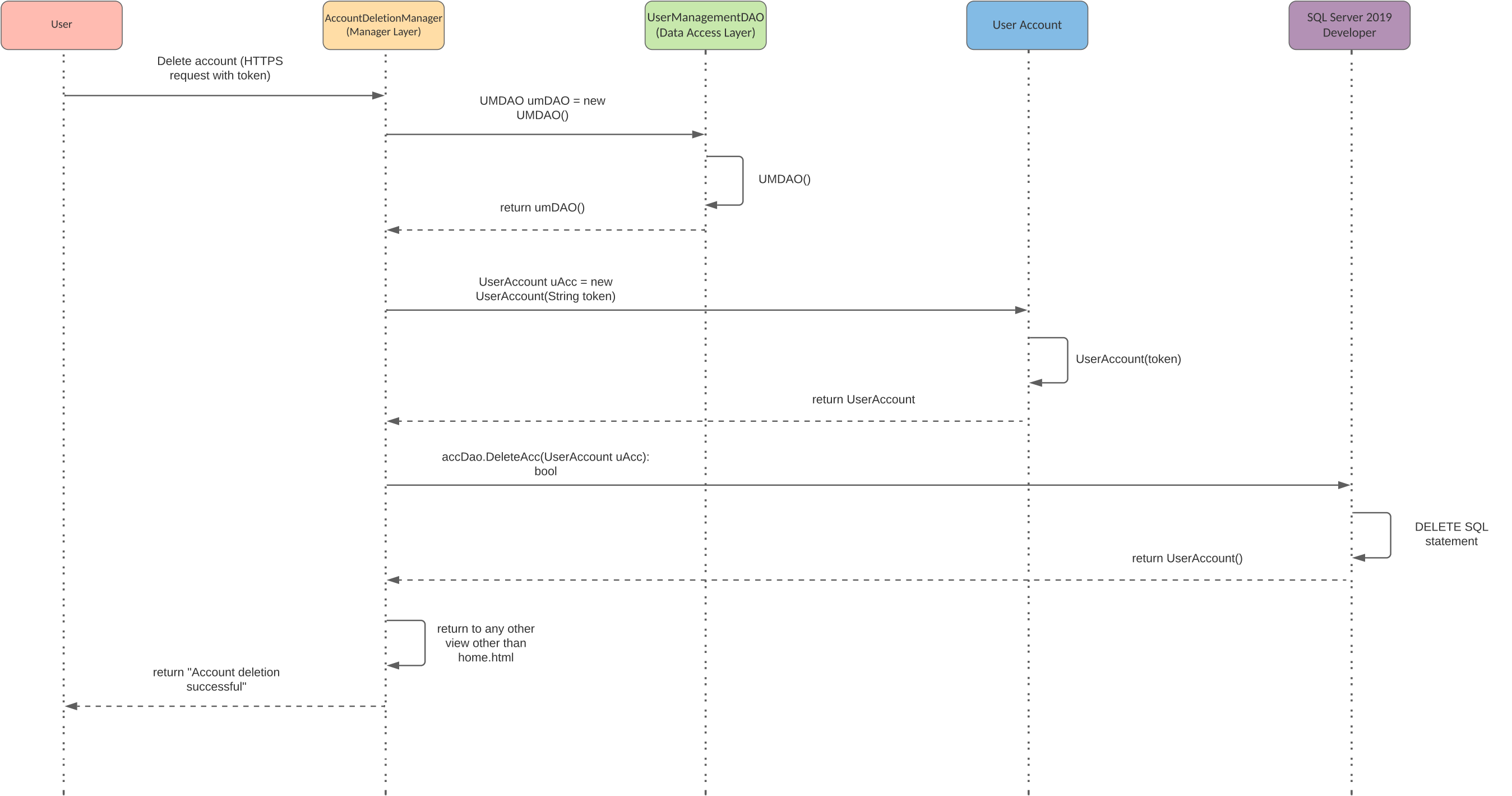
Failure case #4: The user is unable to acknowledge the system message "Account deletion successful" after the successful data deletion.

3-6-2022 12:37

User	AccountDeletionManager (Manager Layer)	UserManagementDAO (Data Access Layer)	User Account	SQL Server 2019 Developer

Delete account (HTTPS request with token)

UMDAO umDAO = new UMDAO()

UMDAO()

return umDAO()

UserAccount uAcc = new UserAccount(String token)

UserAccount(token)

return UserAccount

accDao.DeleteAcc(UserAccount uAcc): bool

DELETE SQL statement

return UserAccount()

return home.html

User is unable to navigate away from the system message box (the OK button is not working) ??? idk how to do this man

Failure Case #5: The user user is not automatically redirected to the default home view of the system.

3-6-2022 12:37

User	AccountDeletionManager (Manager Layer)	UserManagementDAO (Data Access Layer)	User Account	SQL Server 2019 Developer

Delete account (HTTPS request with token)

UMDAO umDAO = new UMDAO()

UMDAO()

return umDAO()

UserAccount uAcc = new UserAccount(String token)

UserAccount(token)

return UserAccount

accDao.DeleteAcc(UserAccount uAcc): bool

DELETE SQL statement

return UserAccount()

return to any other view other than home.html

return "Account deletion successful"

Failure case #6: The user is automatically redirected to the default home view, but the default language and culture setting is not shown.

3-6-2022 12:37

User	AccountDeletionManager (Manager Layer)	UserManagementDAO (Data Access Layer)	User Account	SQL Server 2019 Developer

Delete account (HTTPS request with token)

UMDAO umDAO = new UMDAO()

UMDAO()

return umDAO()

UserAccount uAcc = new UserAccount(String token)

UserAccount(token)

return UserAccount

accDao.DeleteAcc(UserAccount uAcc): bool

DELETE SQL statement

return UserAccount()

return to any other view other than home.html

return "Account deletion successful" but the default language and culture settings are not shown