Edit User Record

Participants: Program.cs | UserAccount | UserManagementManager | UserManagementService | UserManagementGateway | SQL Server 2019

Edit user request
Initiated by another user

manager = new UserManagementManager()

new UserManagementGateway()

Constructor()

new UserManagementGateway

new UserManagementManager

new User(username: string, password: string, email: string, role: string, registrationDate: DateTime)

Constructor(username: string, password: string, email: string, role: string, registrationDate: DateTime)

new User

Manager
.UpdateUserRecord(UserAccount: caller, user, UpdateUserDTO: updateUser)

IsAdmin()

Unauthorized Role

return "Unauthorized"

return "Unauthorized"

Authorized Role

InformationIsValid(user: User)

Invalid information

return "Invalid input"

return "Invalid input"

Valid information

UserManagementService
.UpdateUserRecord(UserAccount: user, UpdateUserDTO: updateUser)

UserManagementGateway
.UpdateUserRecord(
UserAccount: user,
UpdateUserDTO: updateUser)

DoesUserExist(user: User)

SELECT USERID
FROM userAccounts
WHERE username
= @USERNAME
OR email = @EMAIL

data store times out

SqlException

catch SqlException

return "Data store has timed out"

return "Data store has timed out"

return "Data store has timed out"

return "Data store has timed out"

data store is online

user exists

return true

return "User already exists"

return "User already exists"

return "User already exists"

return "User already exists"

user doesn't exist

return false

SQL Insert

return 1

return "Successful user creation"

return "Successful user creation"

return "Successful user creation"

return "Successful user creation"