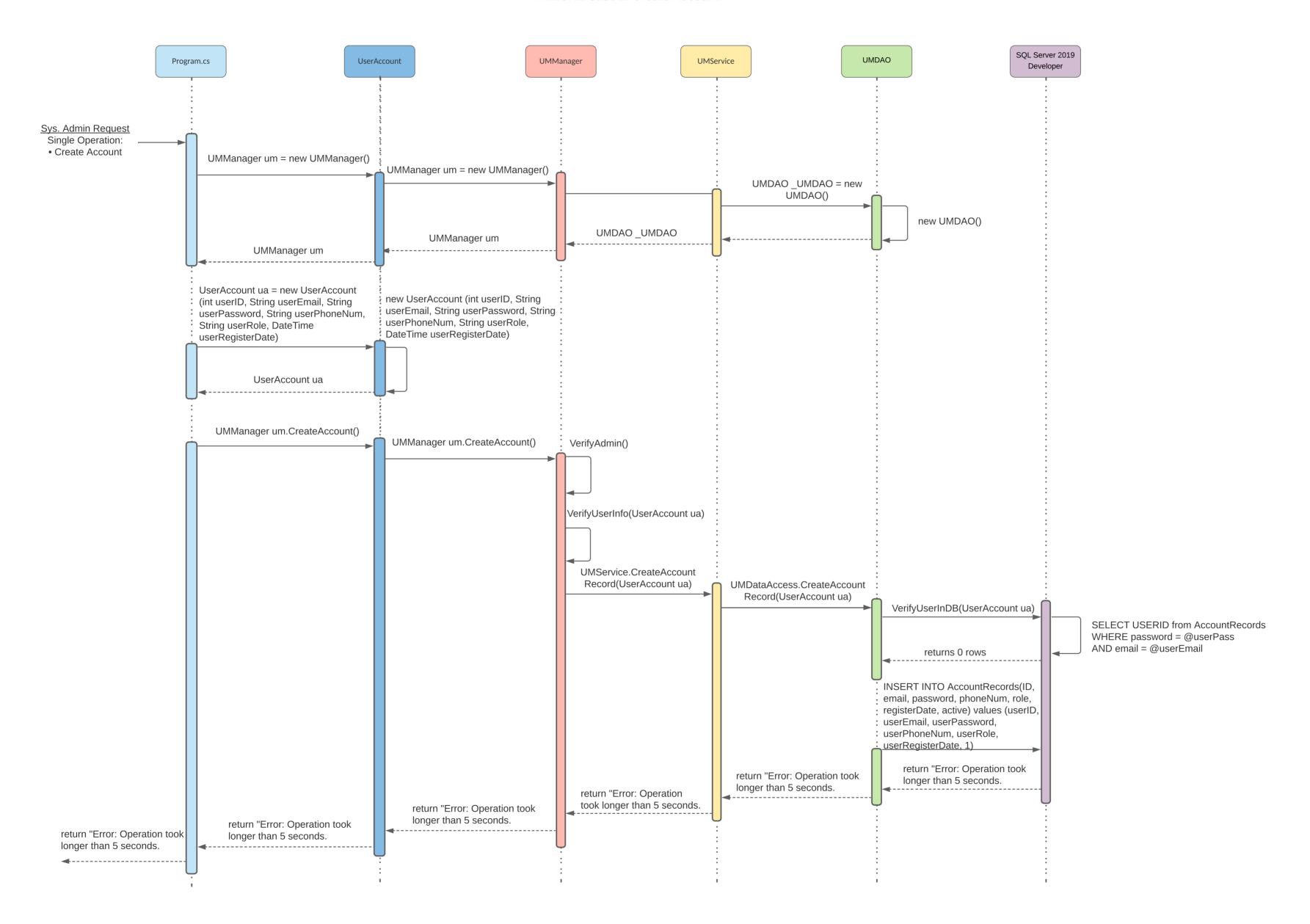
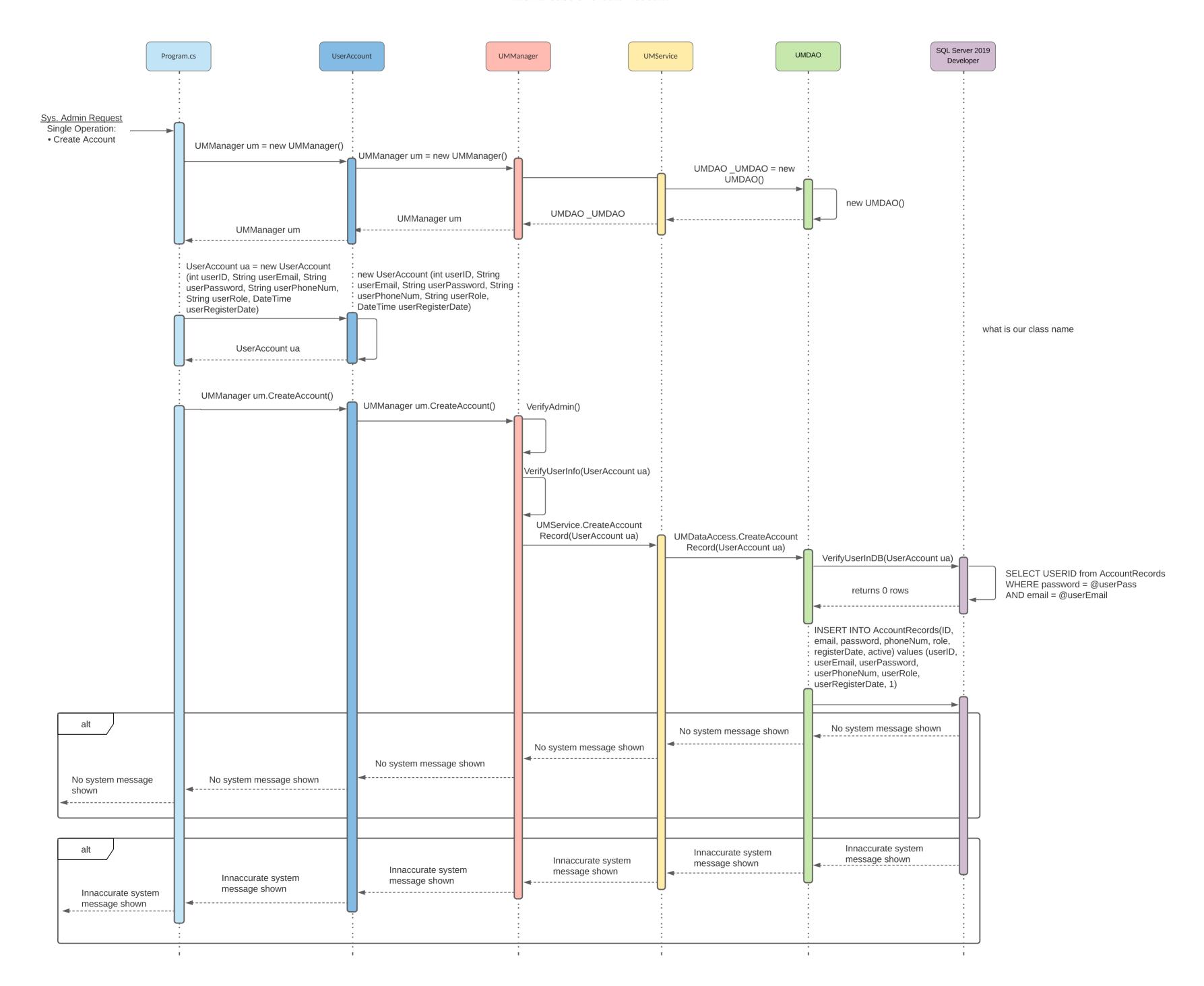
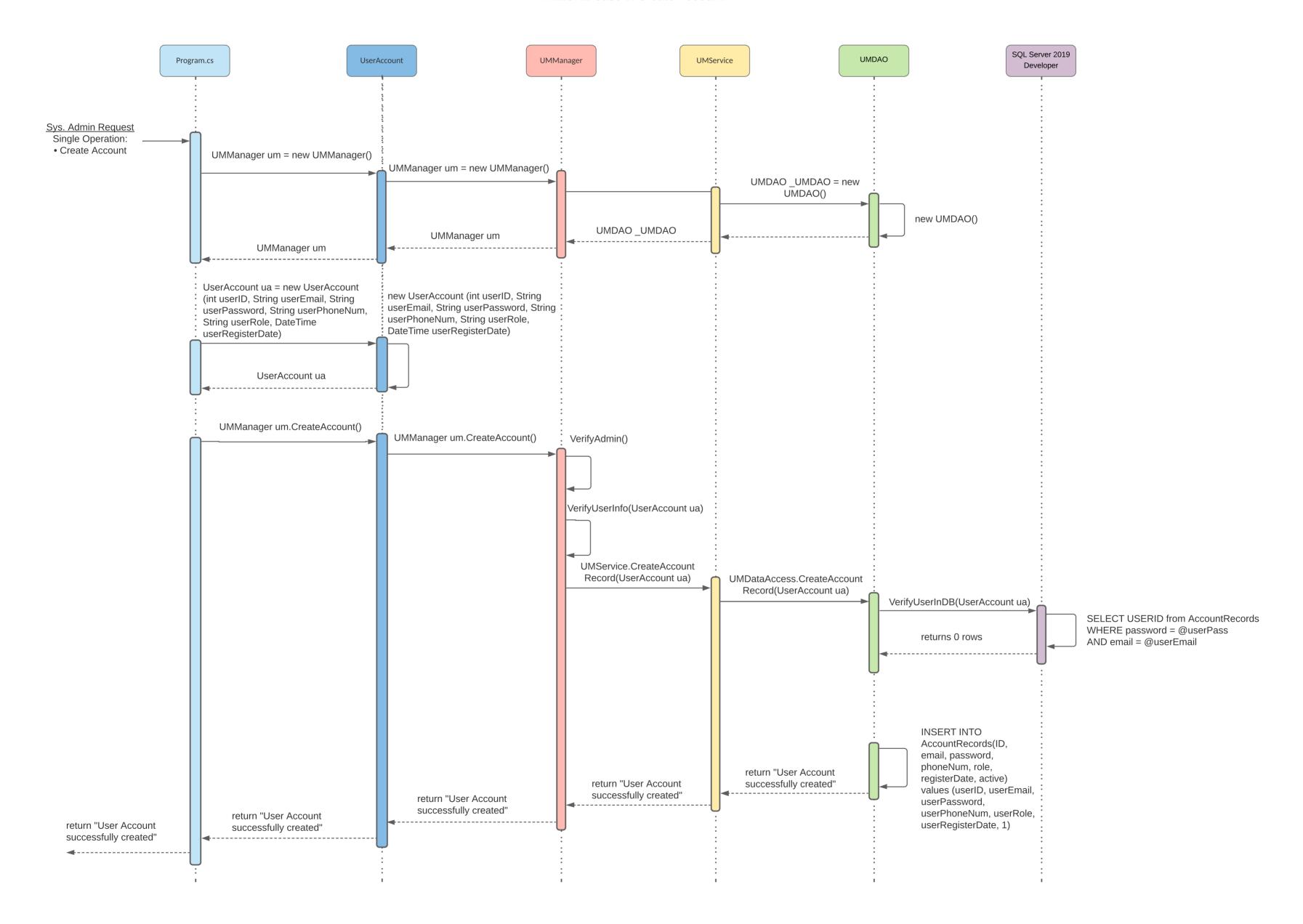
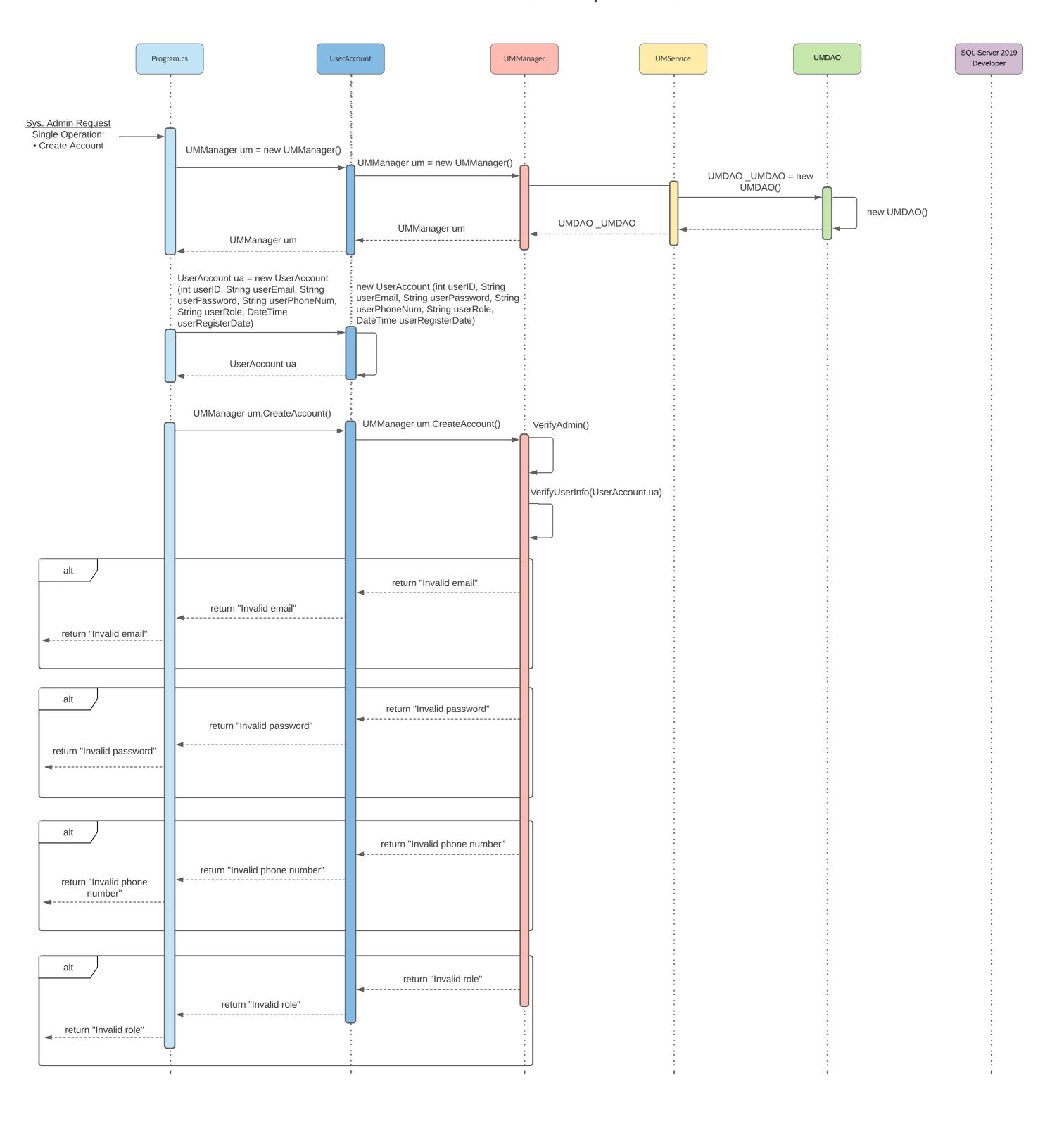


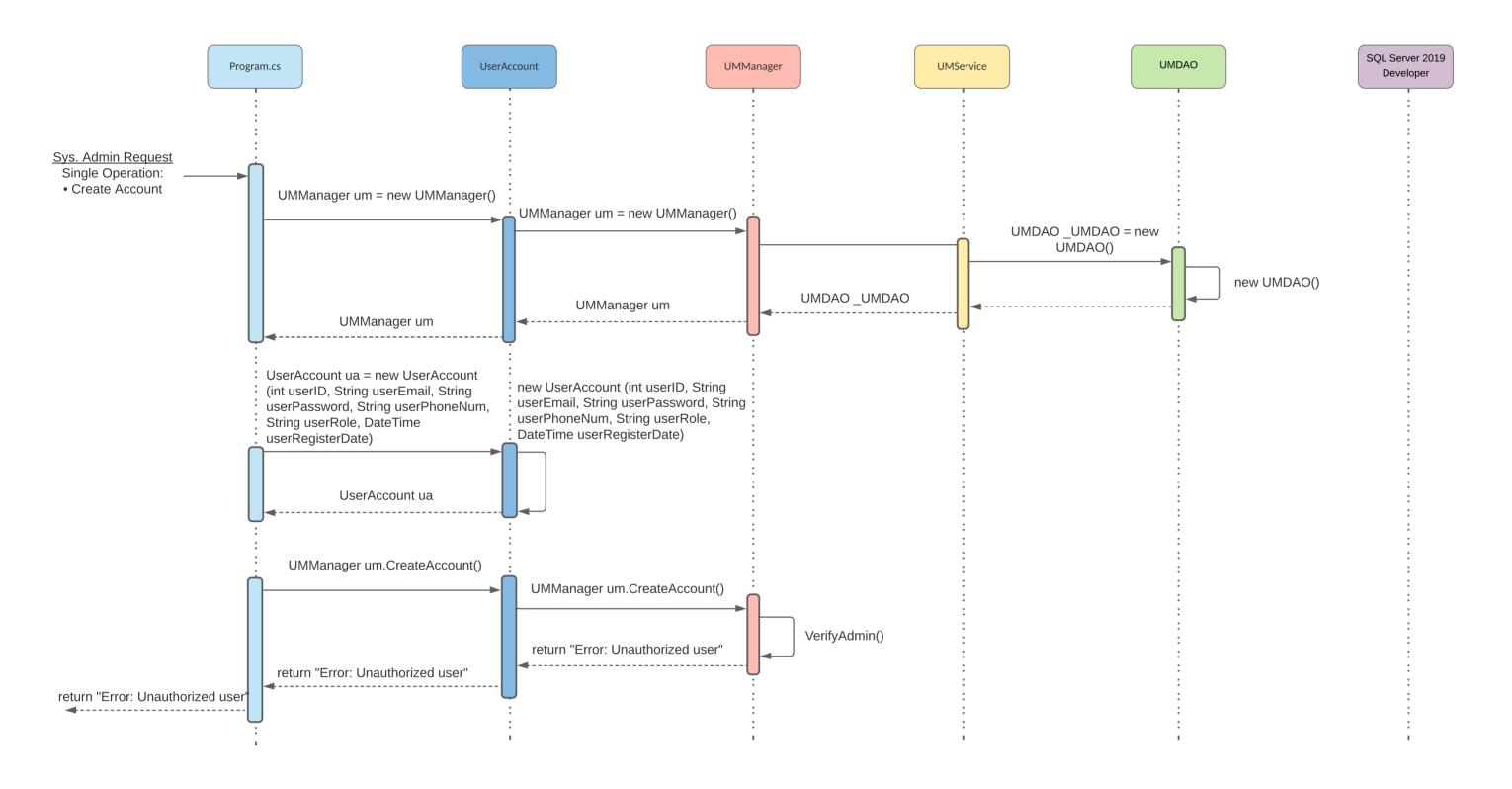
**FAILURE Case 1: Create Account** 

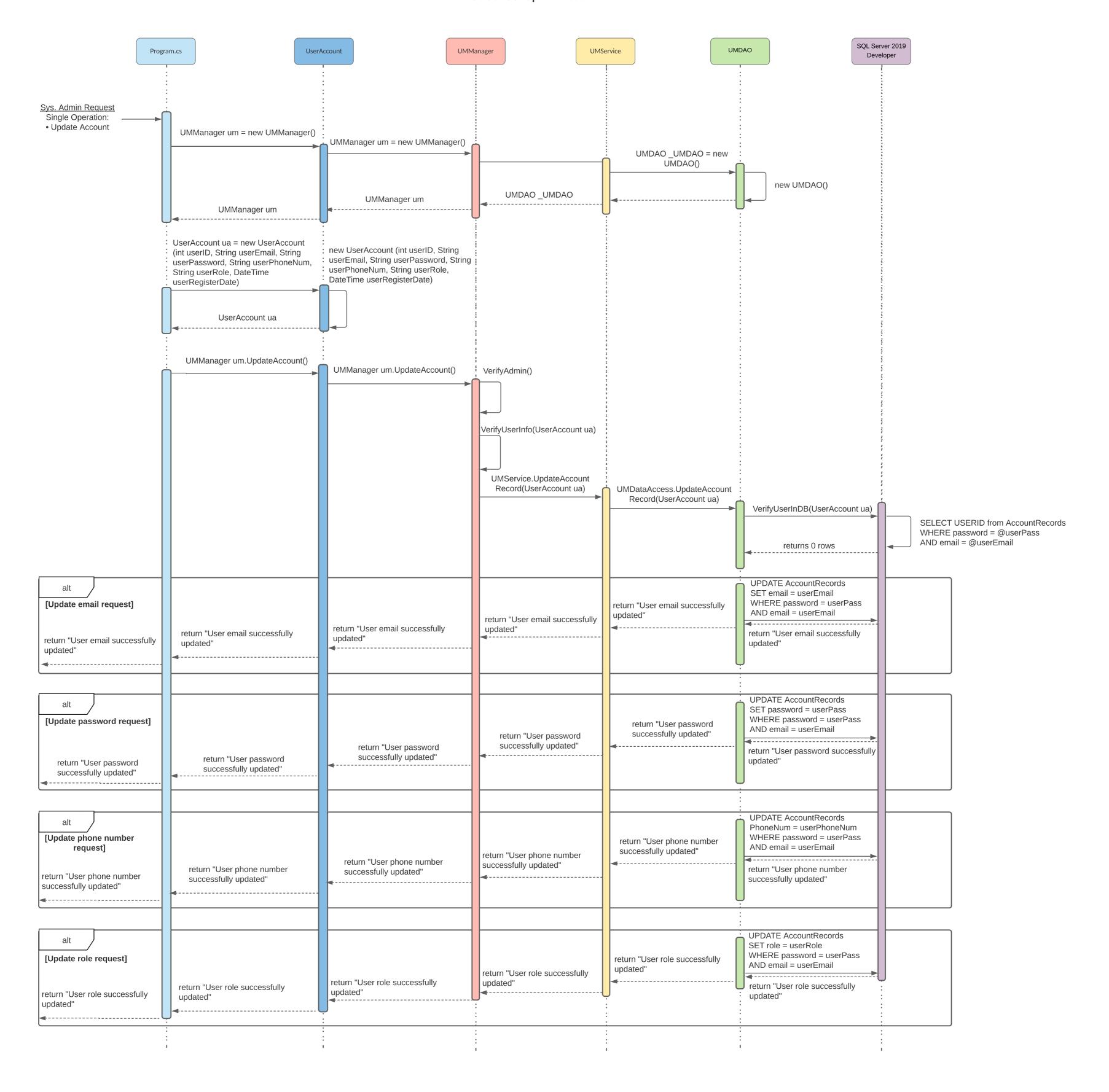




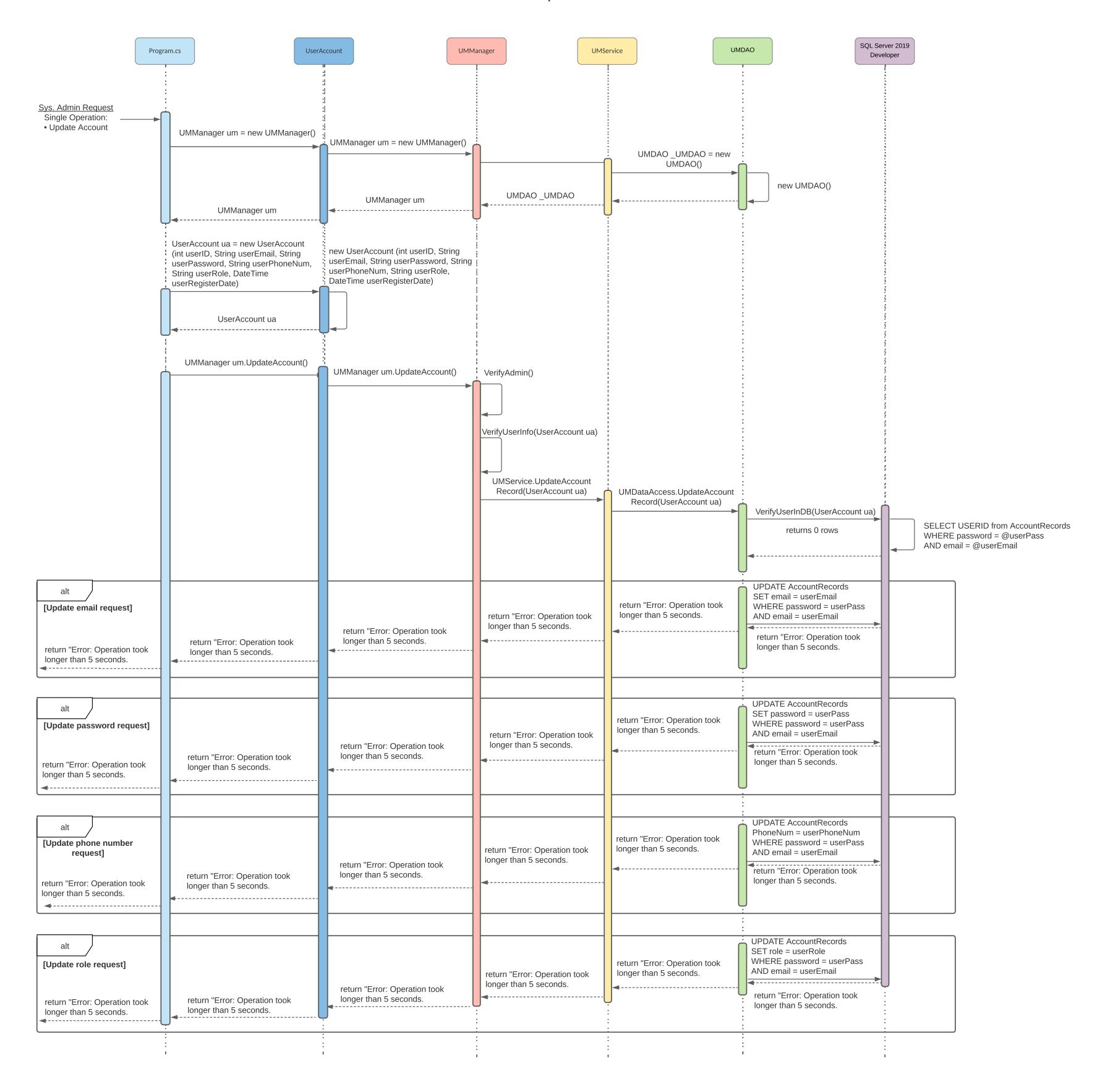


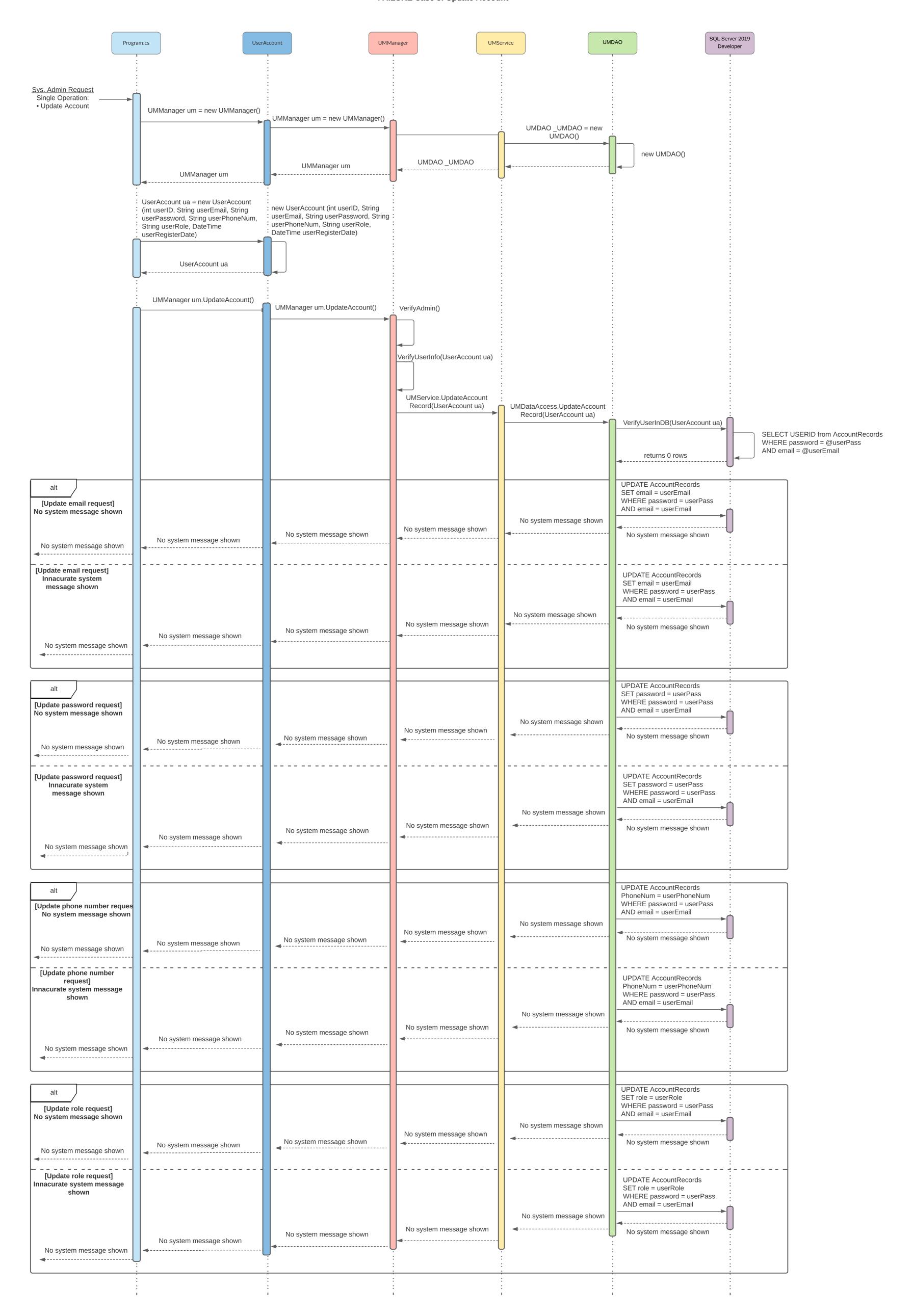






### FAILURE Case 1: Update Account



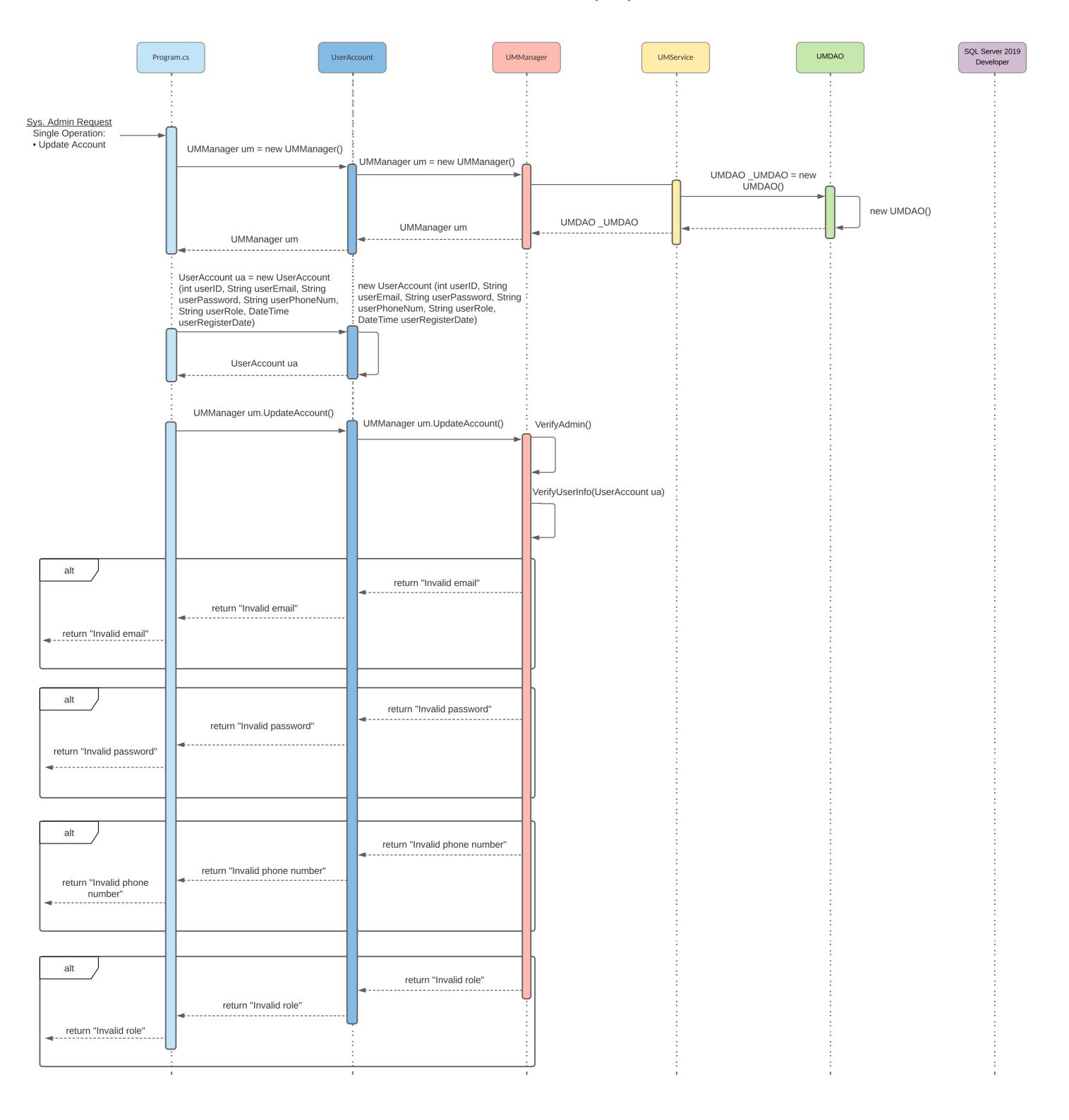


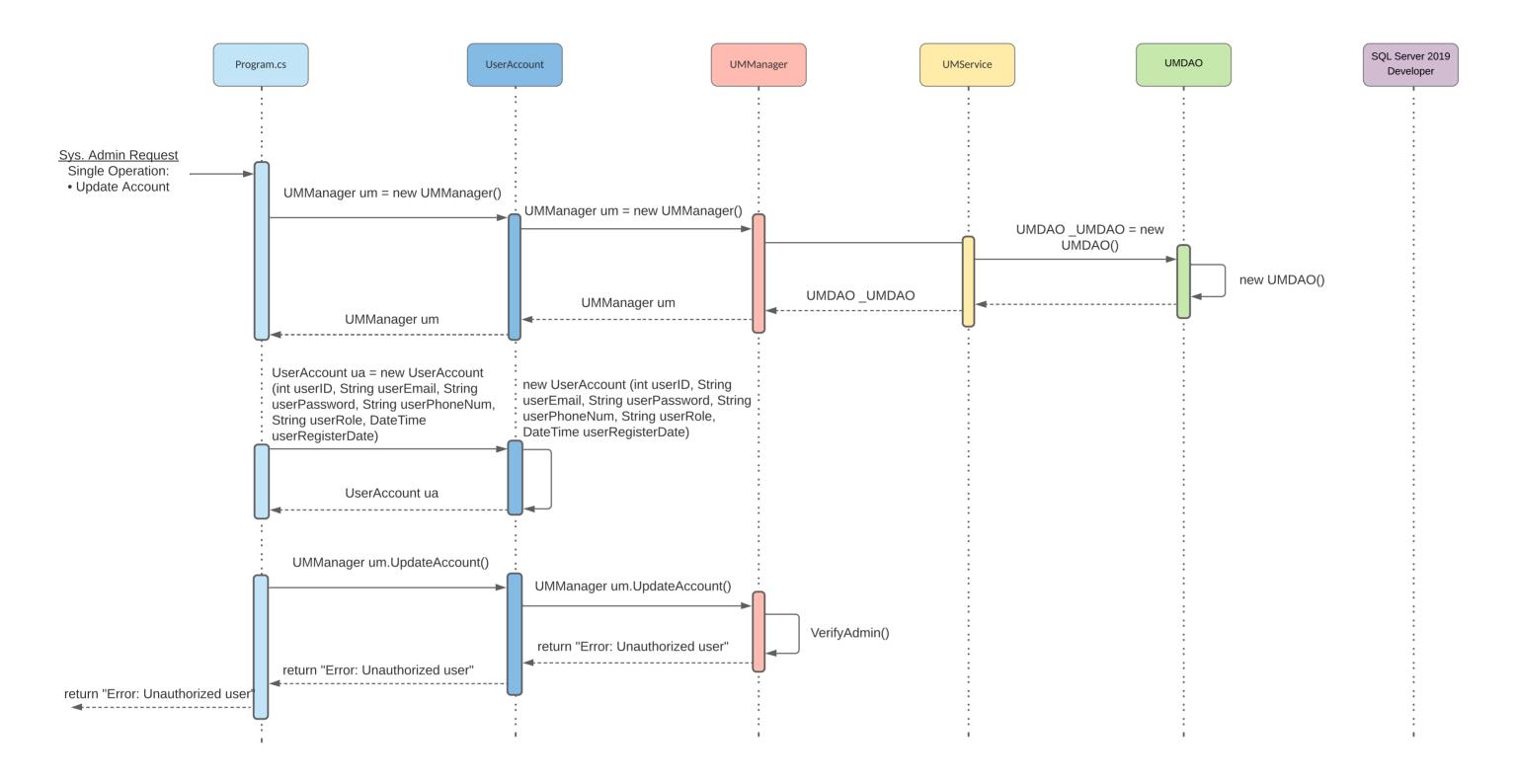
Svs Admin Doguest			:		DAO De
Sys. Admin Request Single Operation:  • Update Account	UMManager um = new UMManager()	UMManager um = new UMManager()		UMDAO _UMDAO = new UMDAO()	
	UMManager um	UMManager um ◀	UMDAO _UMDAO	<b>■</b>	new UMDAO()
	UserAccount ua = new UserAccount (int userID, String userEmail, String userPassword, String userPhoneNum, String userRole, DateTime userRegisterDate)	new UserAccount (int userID, String userEmail, String userPassword, String userPhoneNum, String userRole, DateTime userRegisterDate)			: : :
	UserAccount ua				
	UMManager um.UpdateAccount()	UMManager um.UpdateAccount()	VerifyAdmin()		
			VerifyUserInfo(UserAccount ua)		:
			UMService.UpdateAccount Record(UserAccount ua)	UMDataAccess.UpdateAccount Record(UserAccount ua)	VerifyUserInDB(UserAccount ua)
					returns 0 rows
alt [Update email request]	roturn "Error: Operation took	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	UPDATE AccountRecords SET email = userEmail WHERE password = userPass
return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds. ◀	longer than 3 seconds.			AND email = userEmail
alt  [Update password request]  return "Error: Operation took	return "Error: Operation took	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	UPDATE AccountRecords SET password = userPass WHERE password = userPass AND email = userEmail
longer than 5 seconds.	longer than 5 seconds.  ◀				
alt  [Update phone number request]  return "Error: Operation took	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	UPDATE AccountRecords PhoneNum = userPhoneNum WHERE password = userPass AND email = userEmail
longer than 5 seconds.	Ionger than 3 seconds.				AND email = userEmail
alt  [Update role request]  return "Error: Operation took	return "Error: Operation took	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	return "Error: Operation took longer than 5 seconds.	UPDATE AccountRecords SET role = userRole WHERE password = userPass AND email = userEmail
longer than 5 seconds.	longer than 5 seconds.		:	· : :	

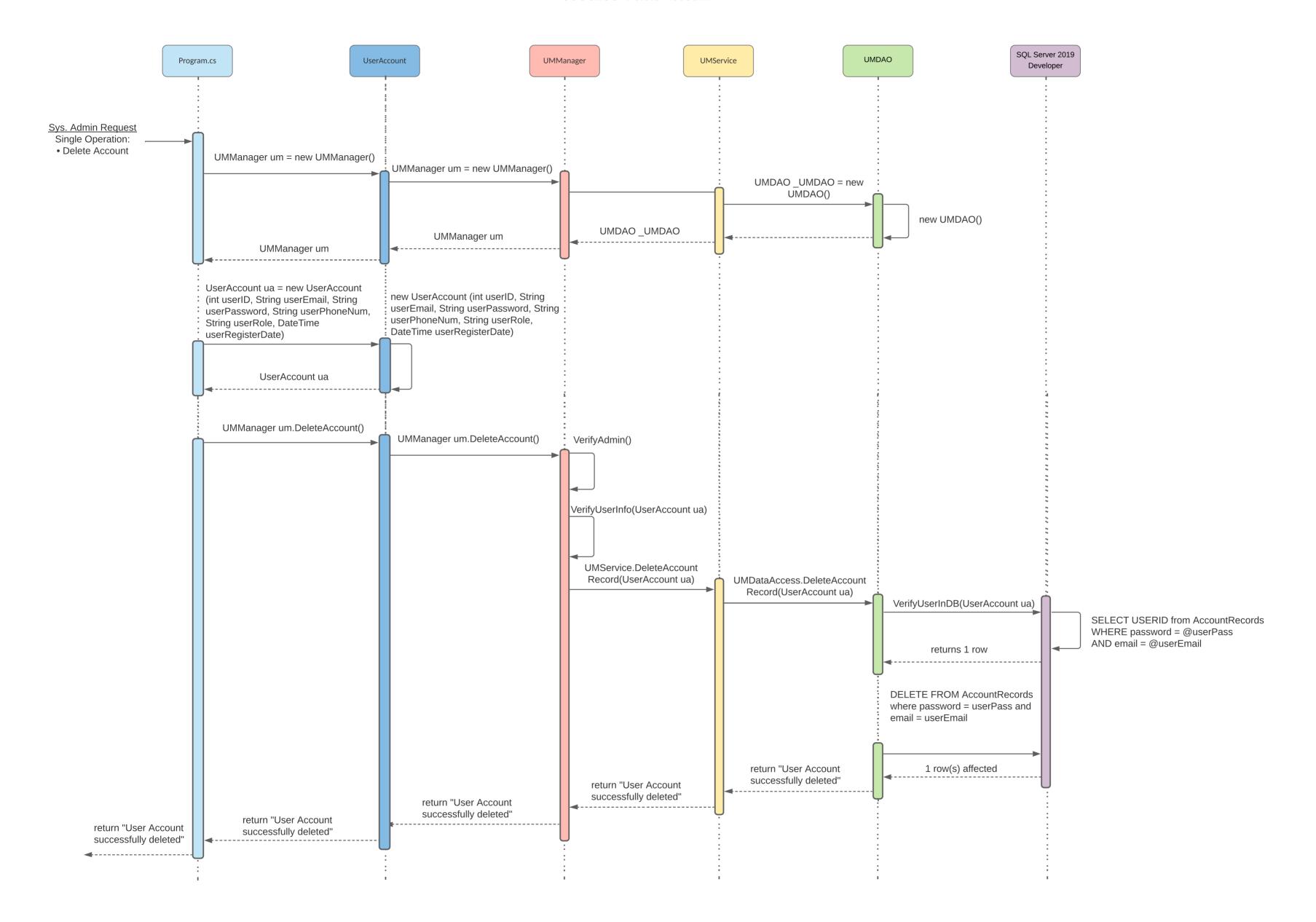
FAILURE Case 5: Update Account

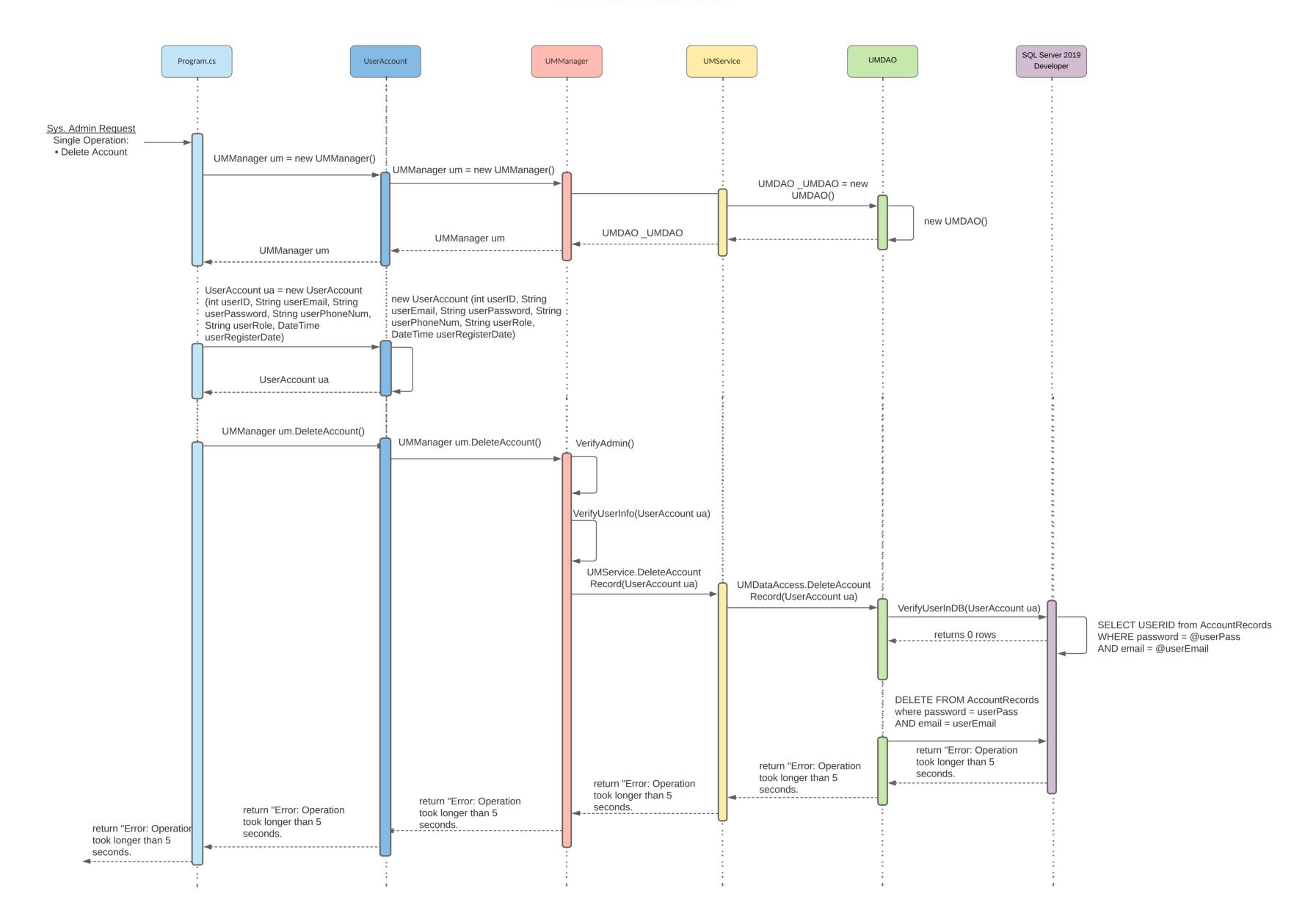
SQL Server 2019 Developer

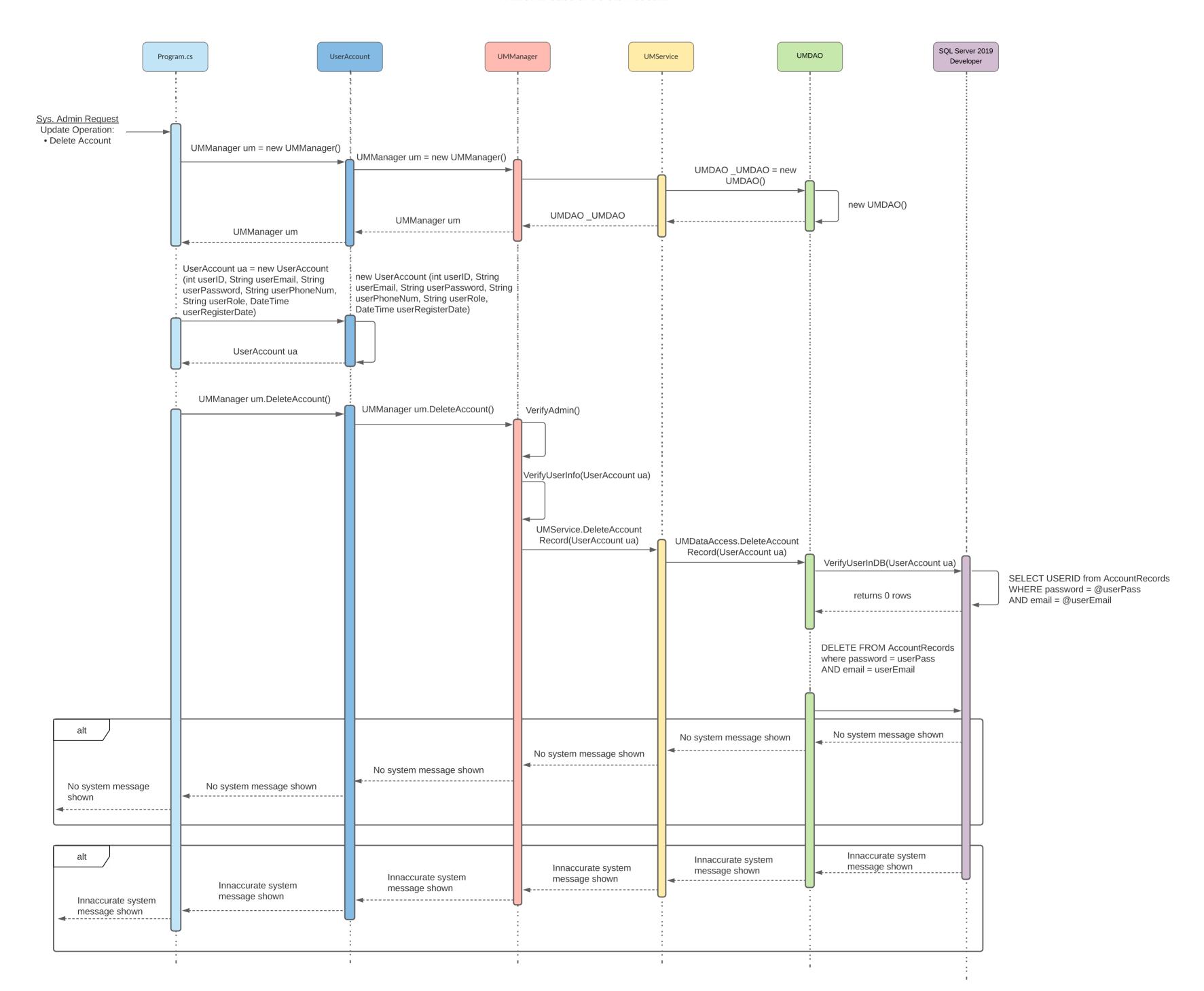
SELECT USERID from AccountRecords WHERE password = @userPass AND email = @userEmail

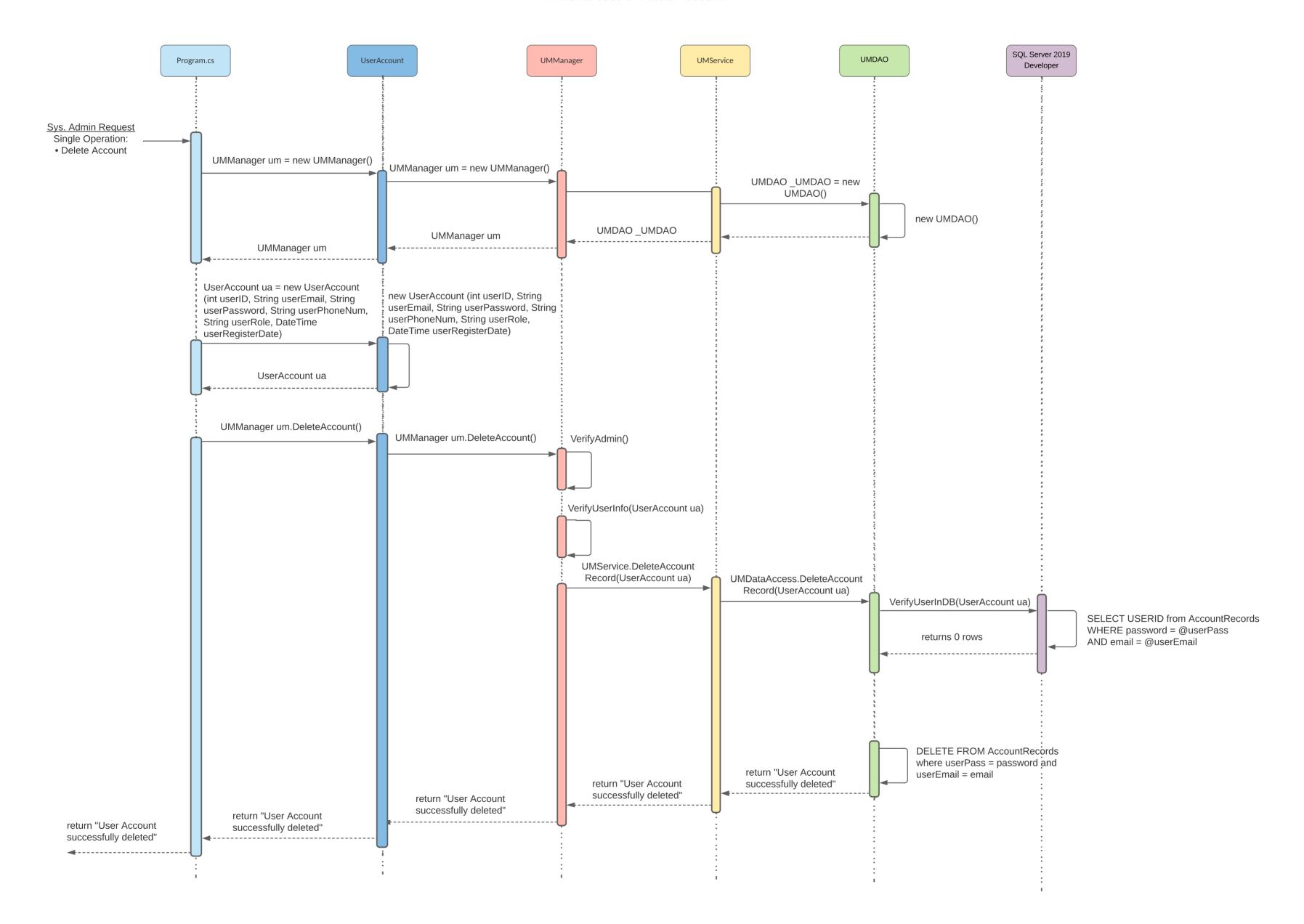


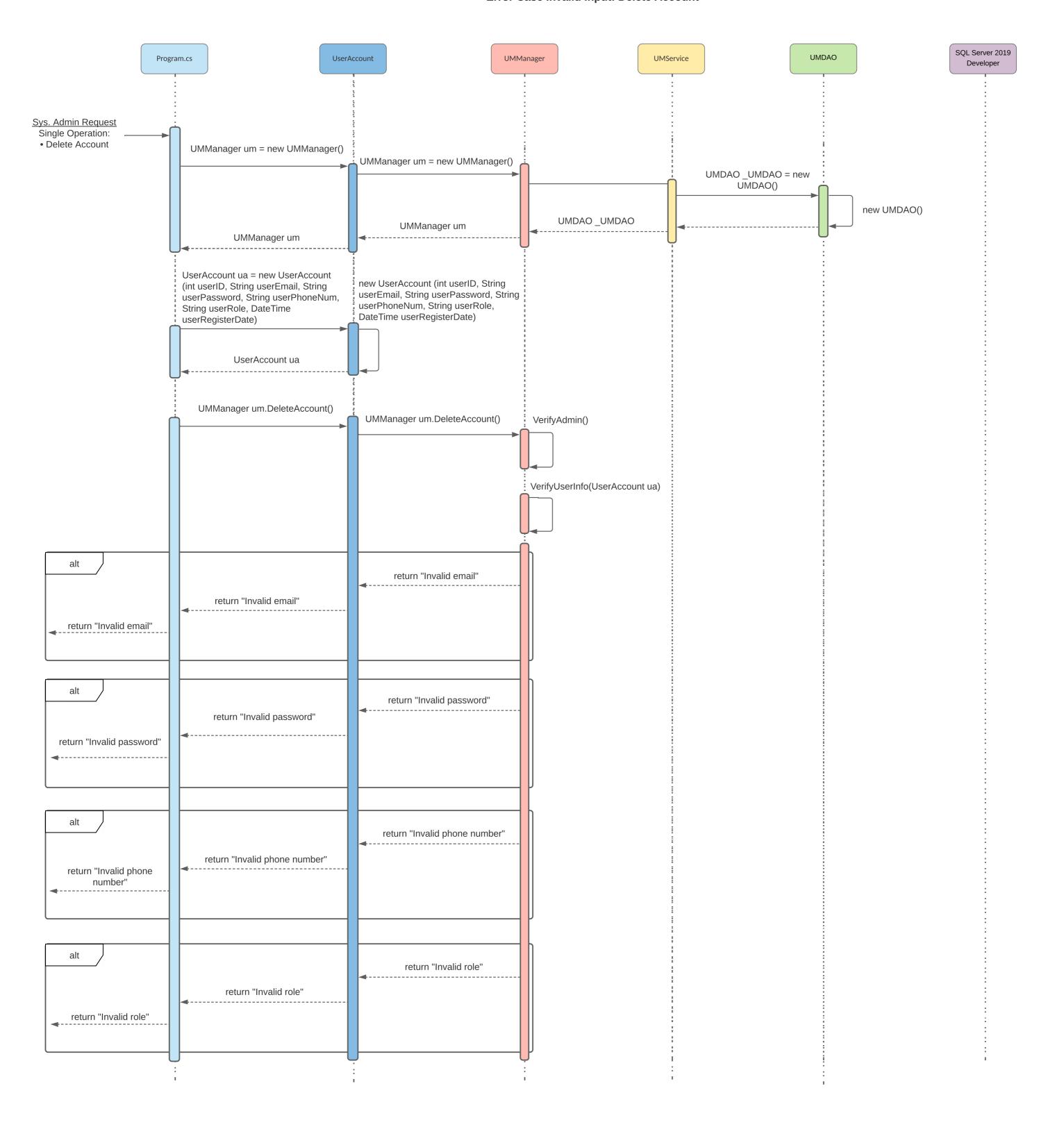


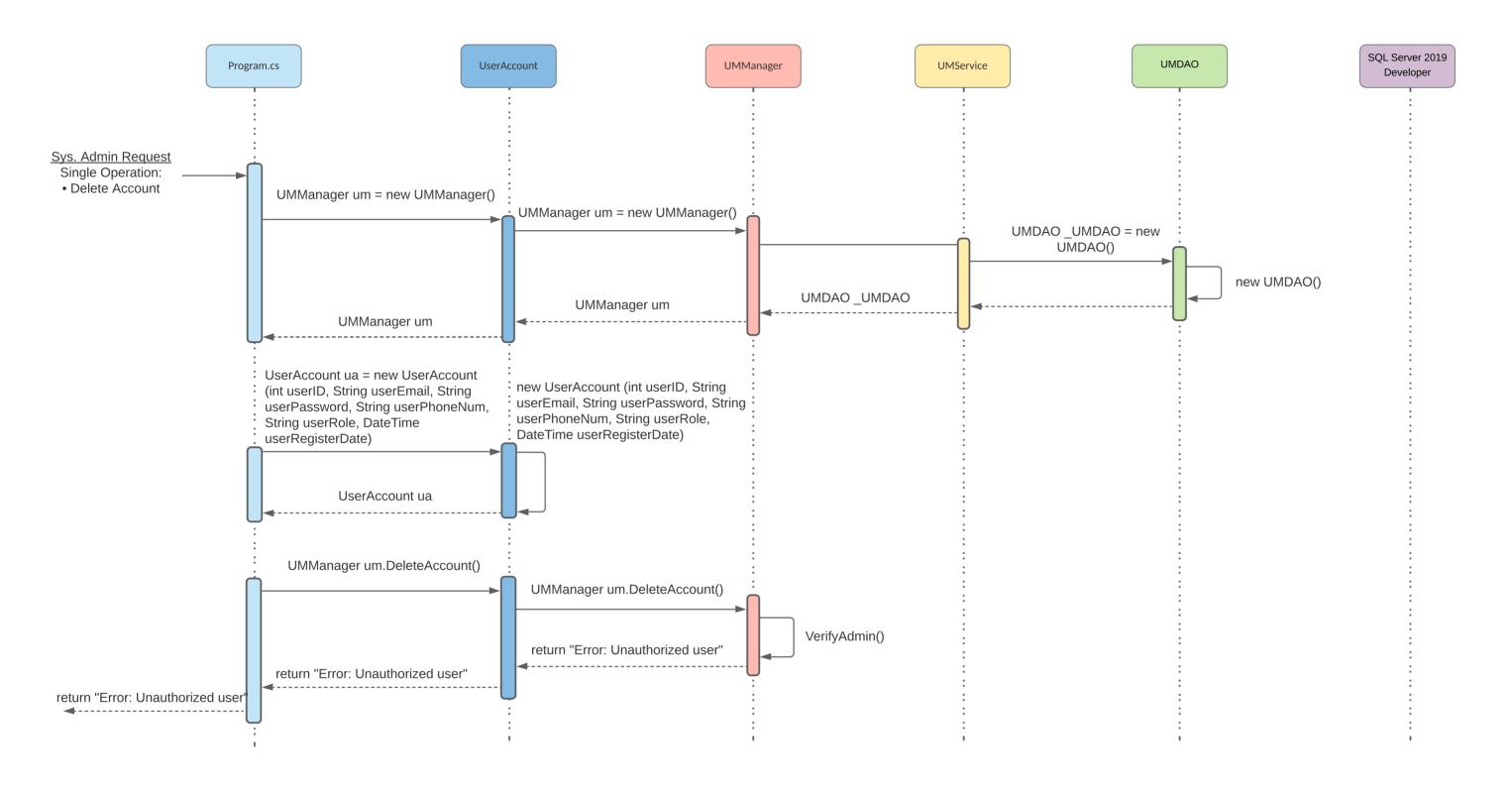


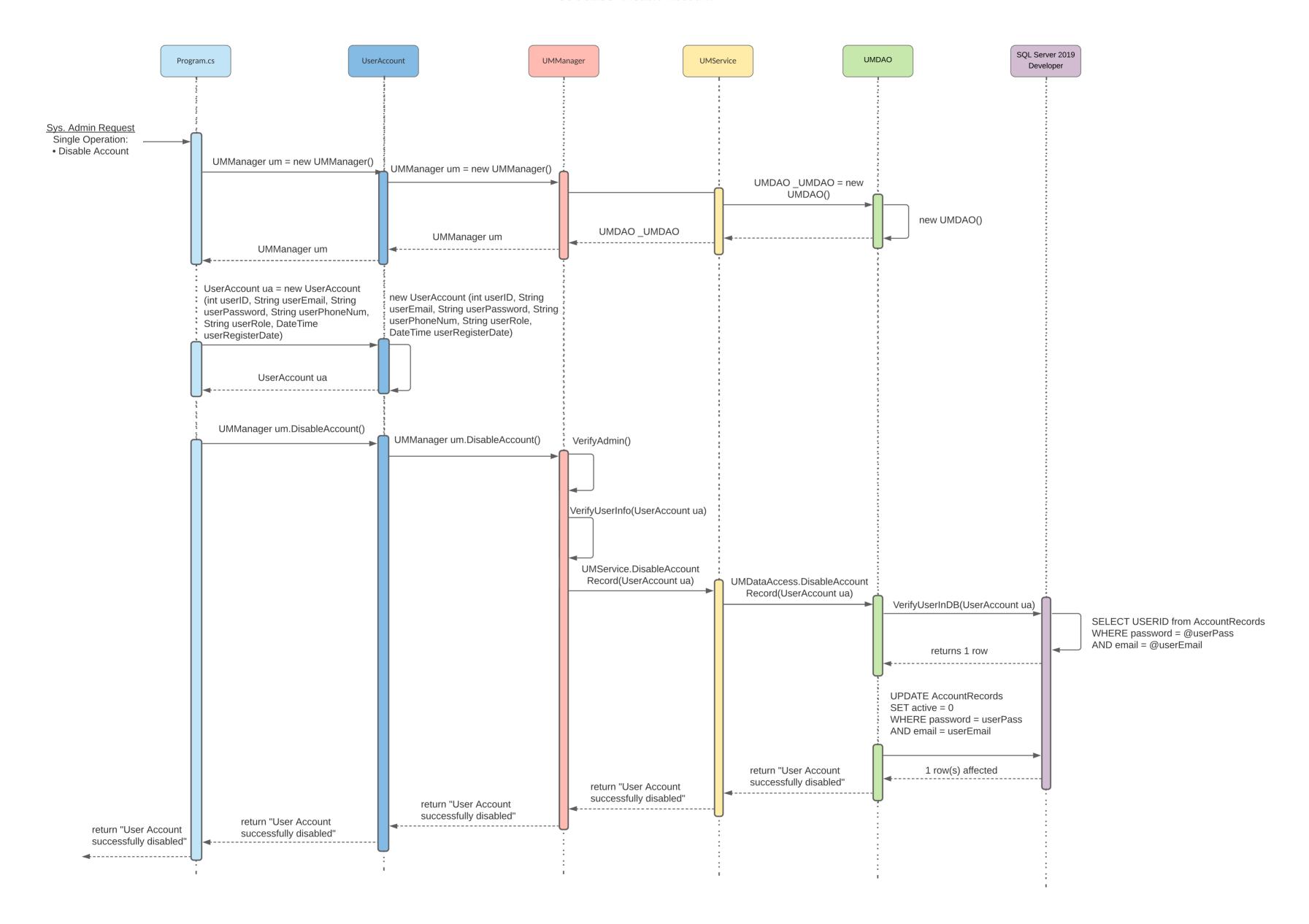


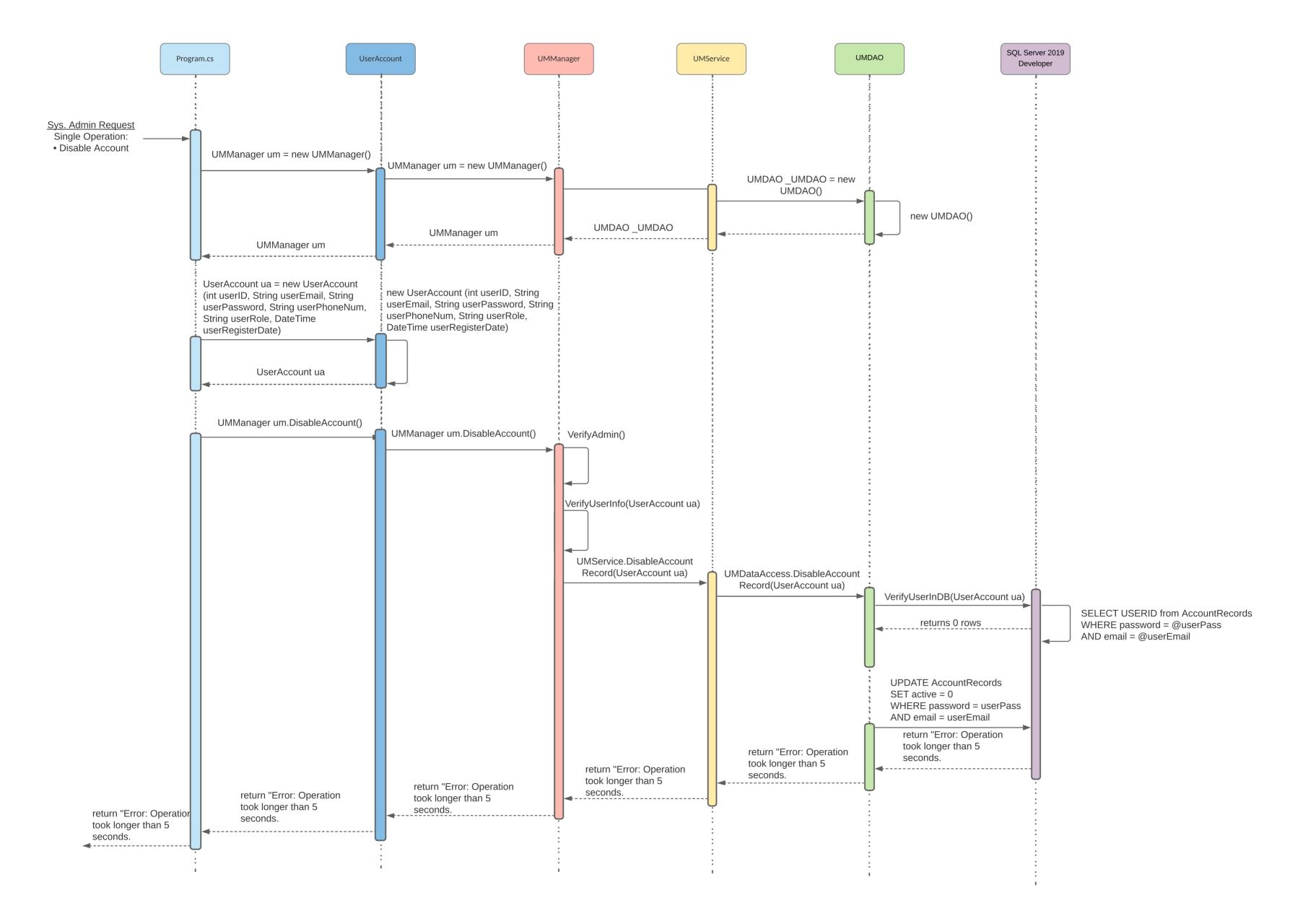


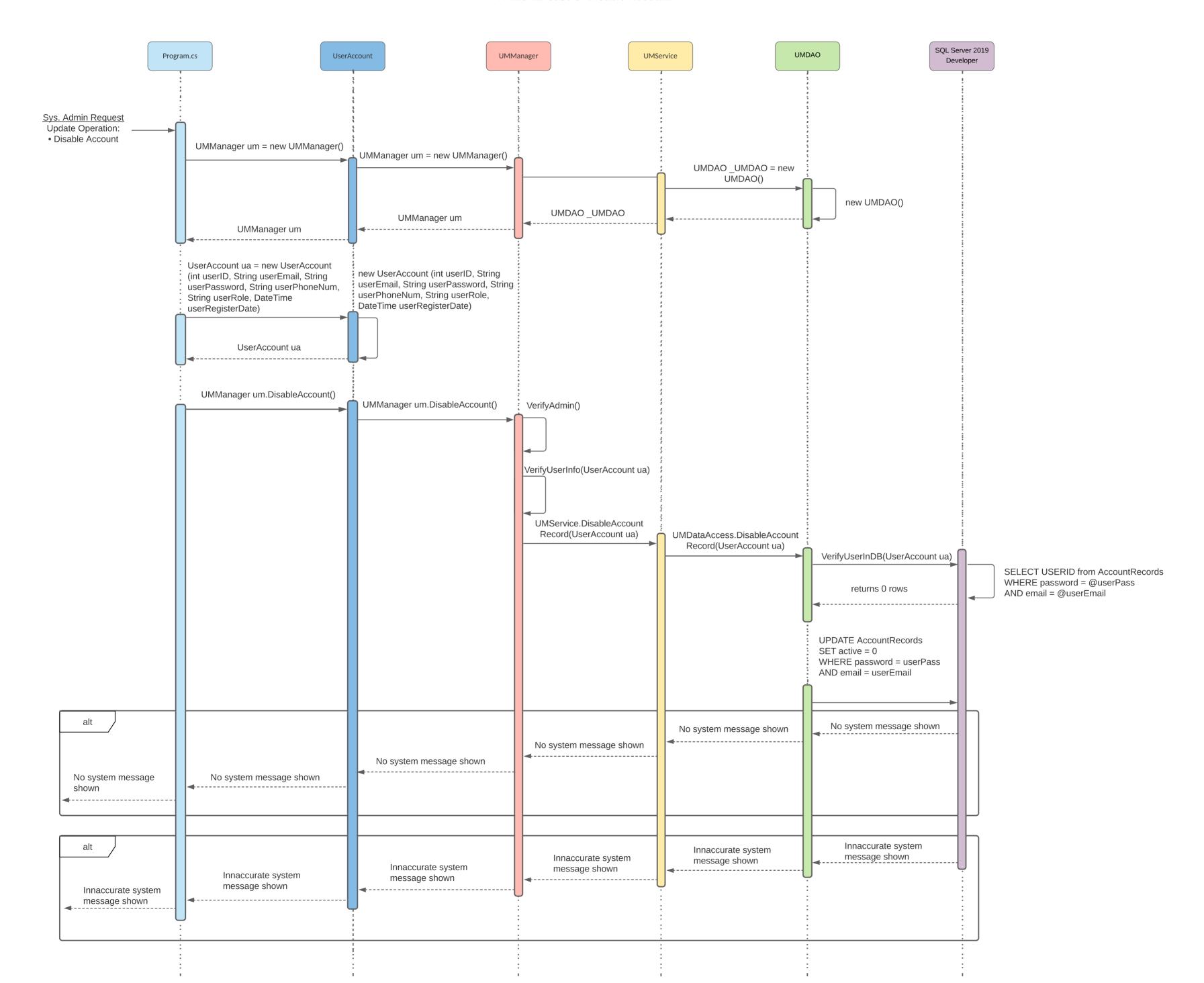


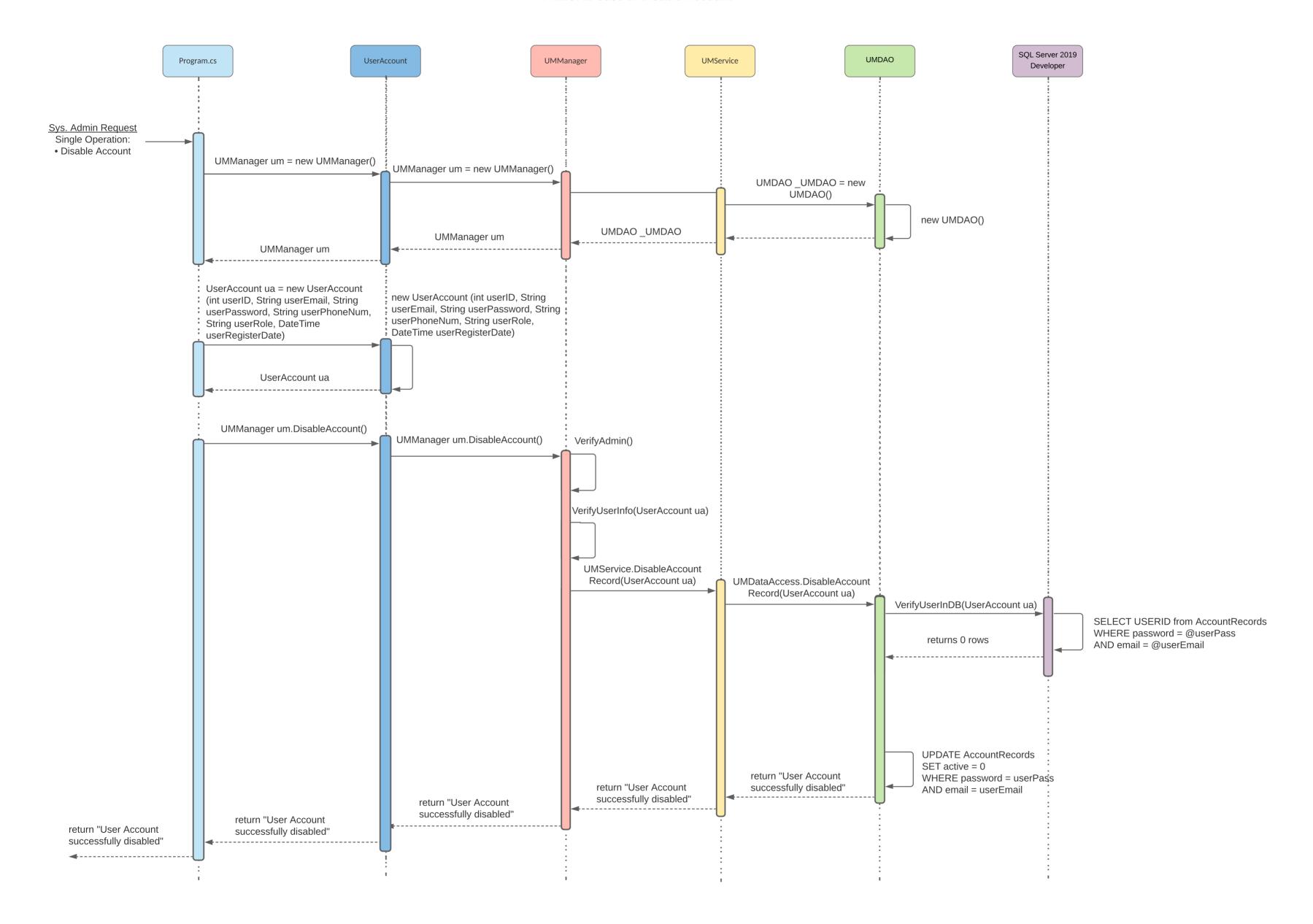


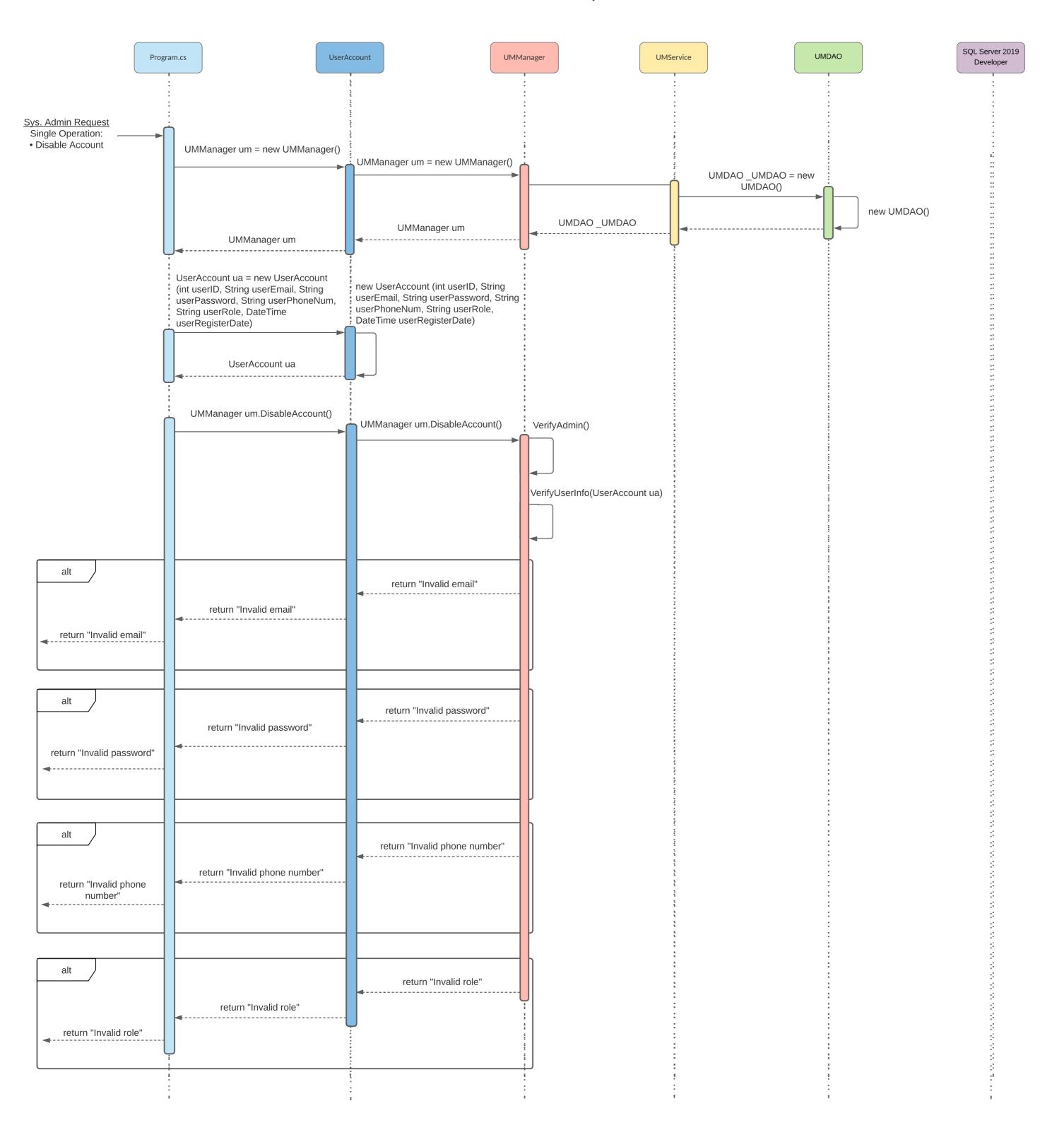


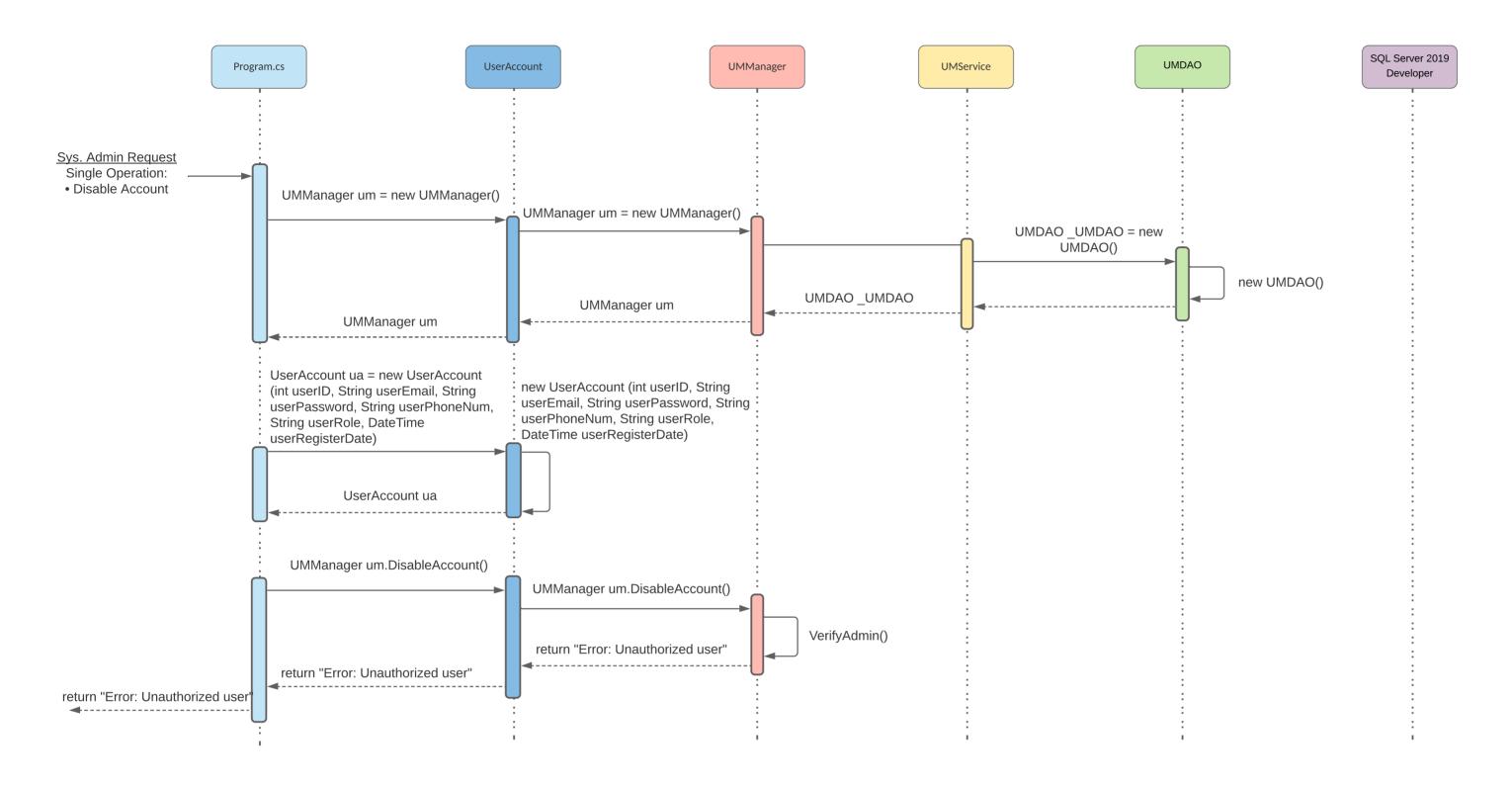


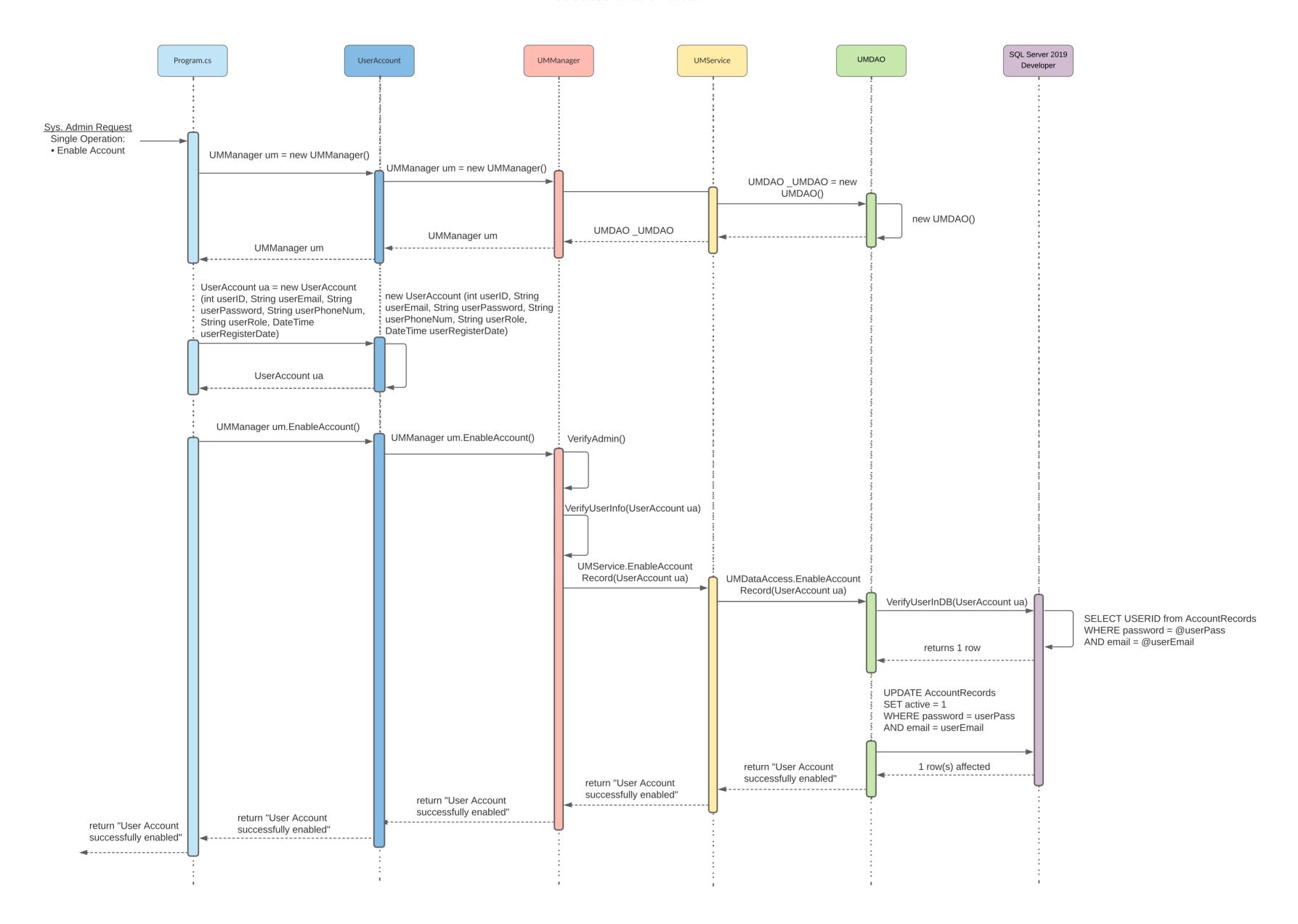


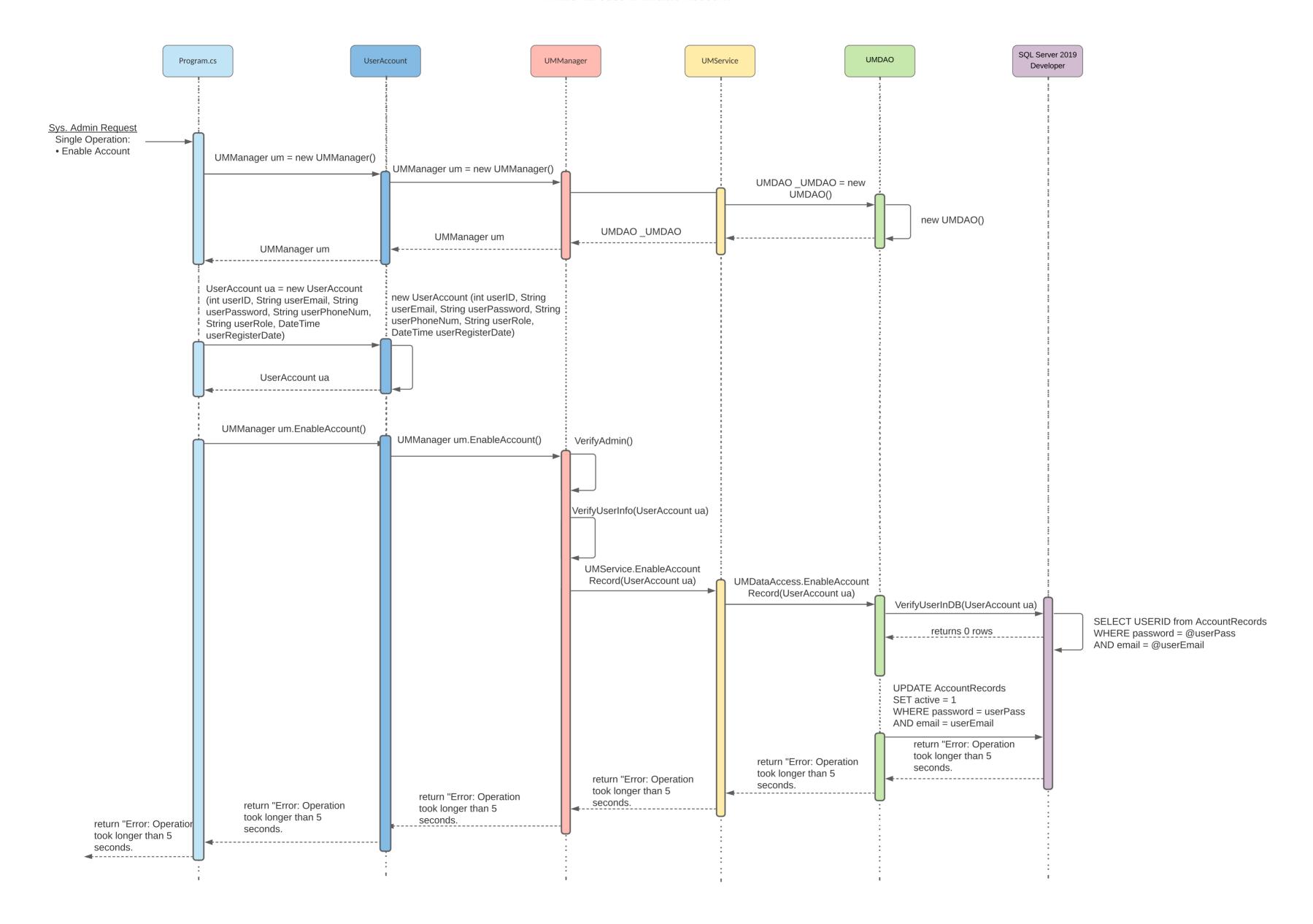


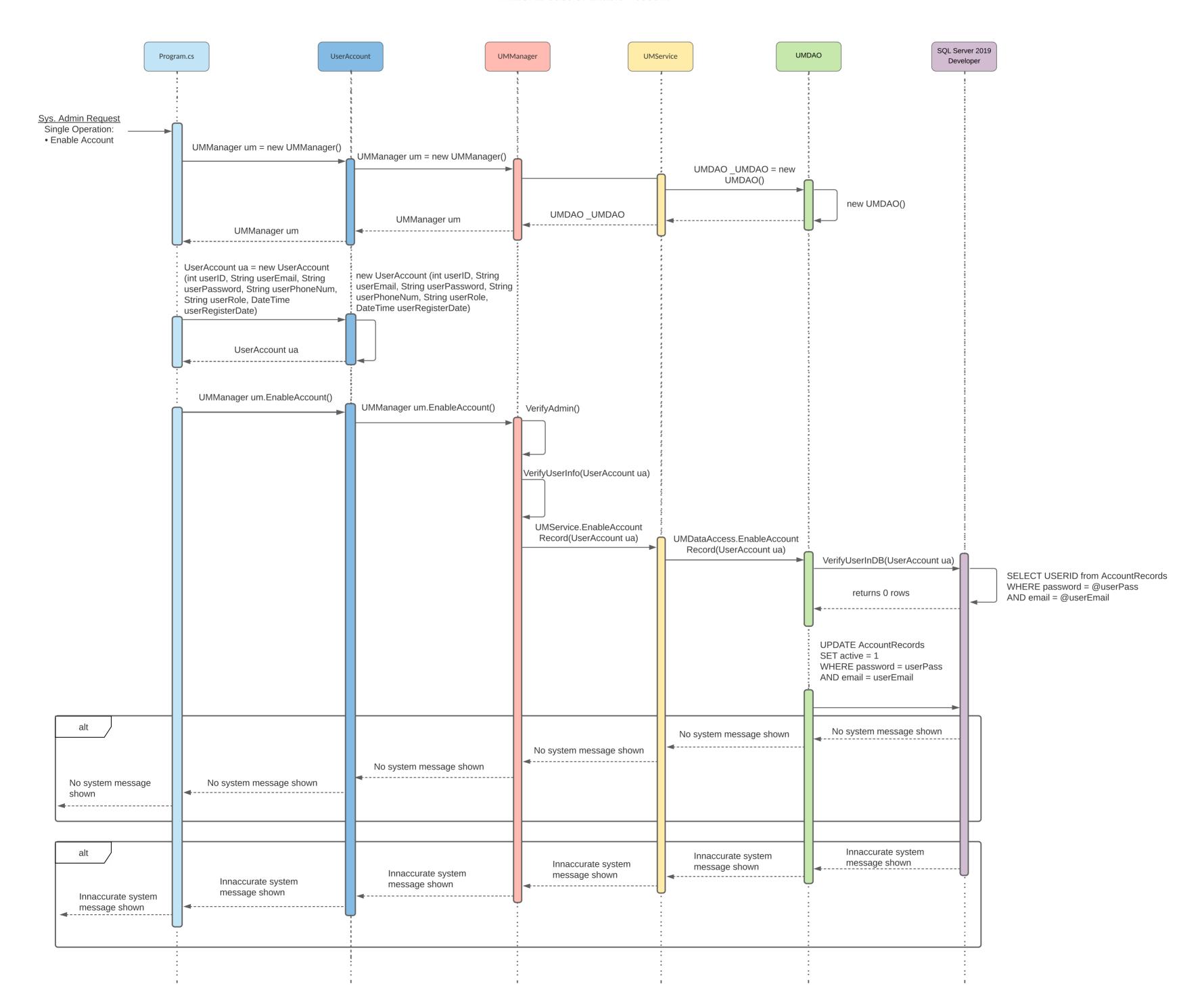


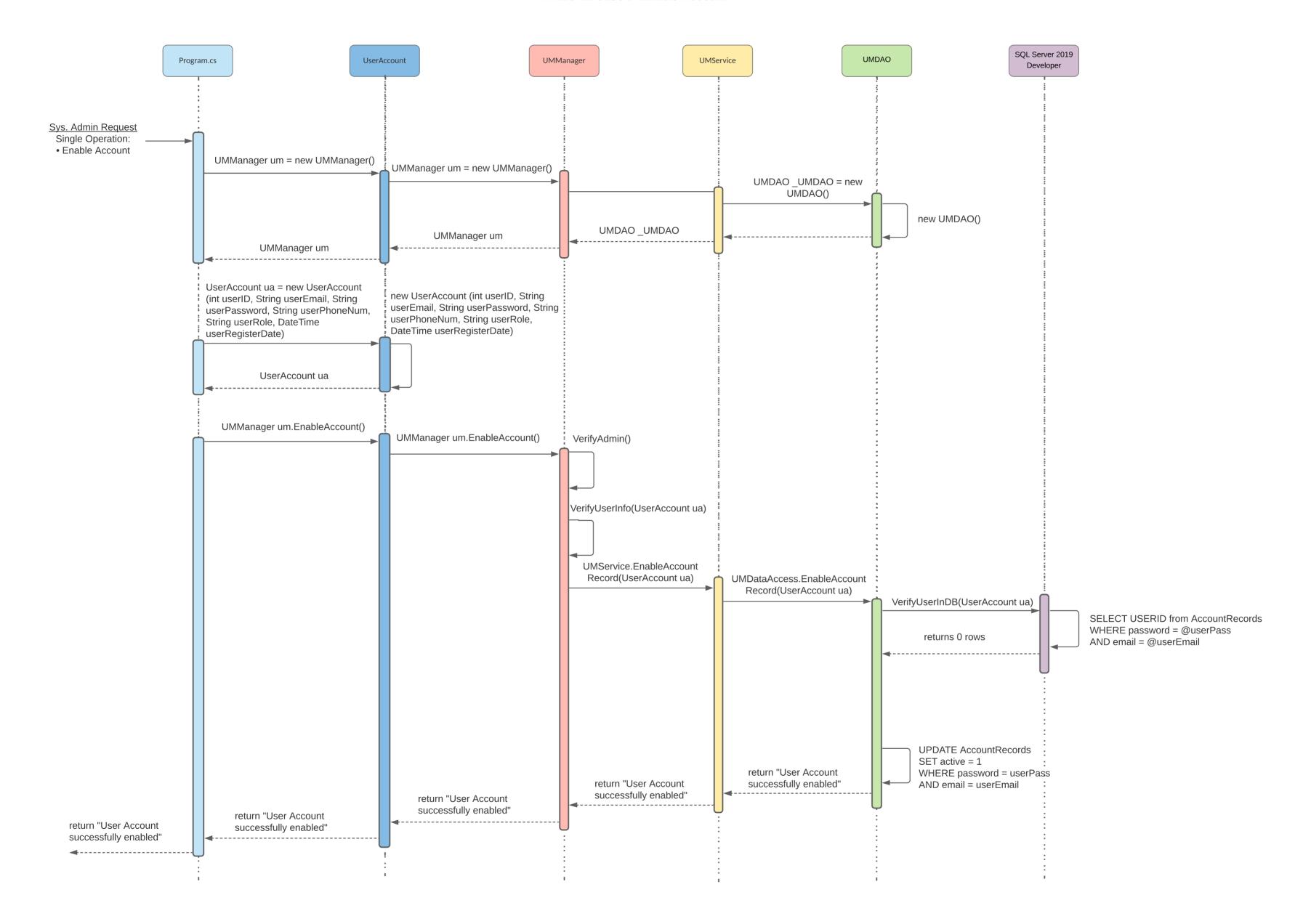


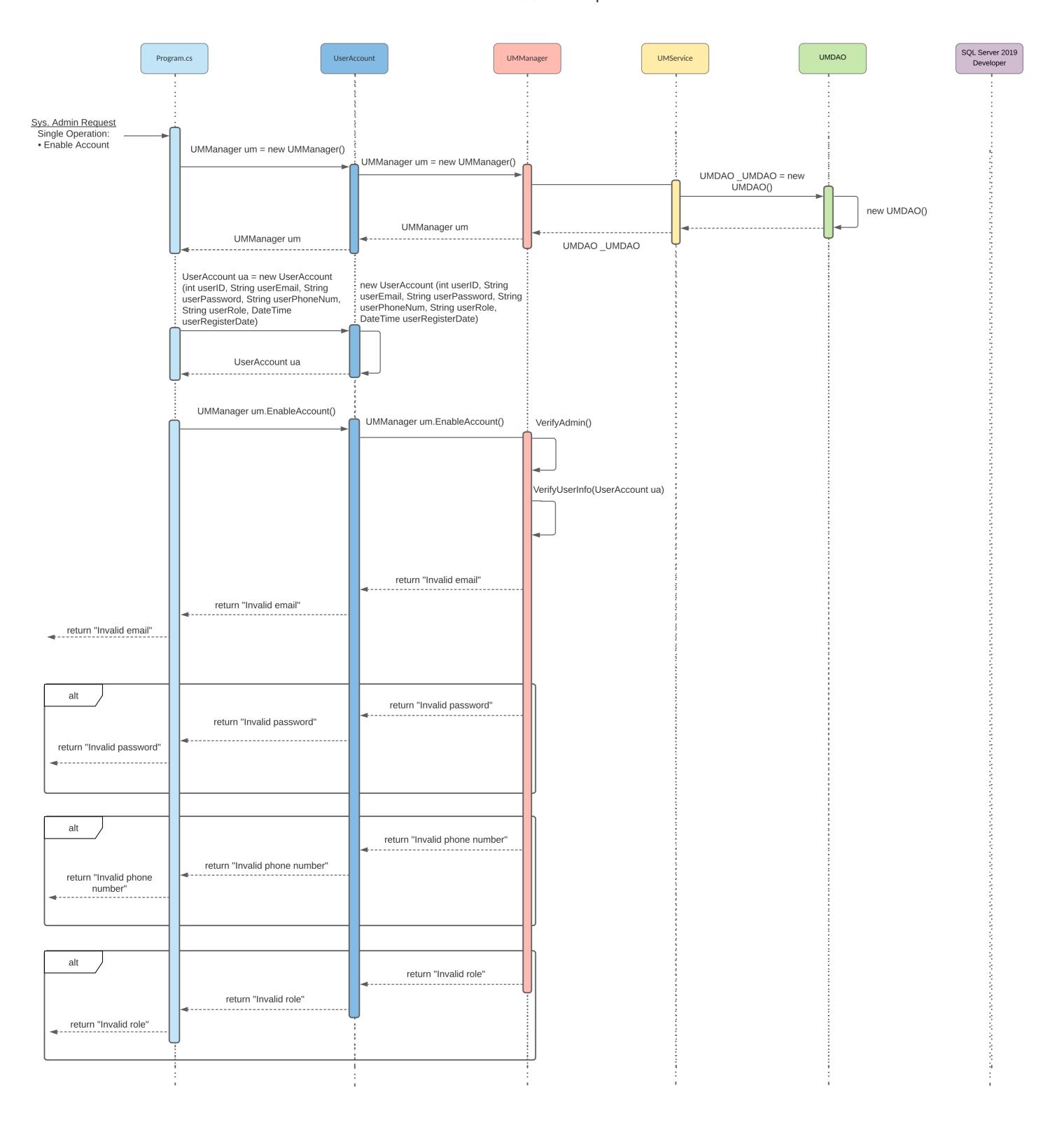


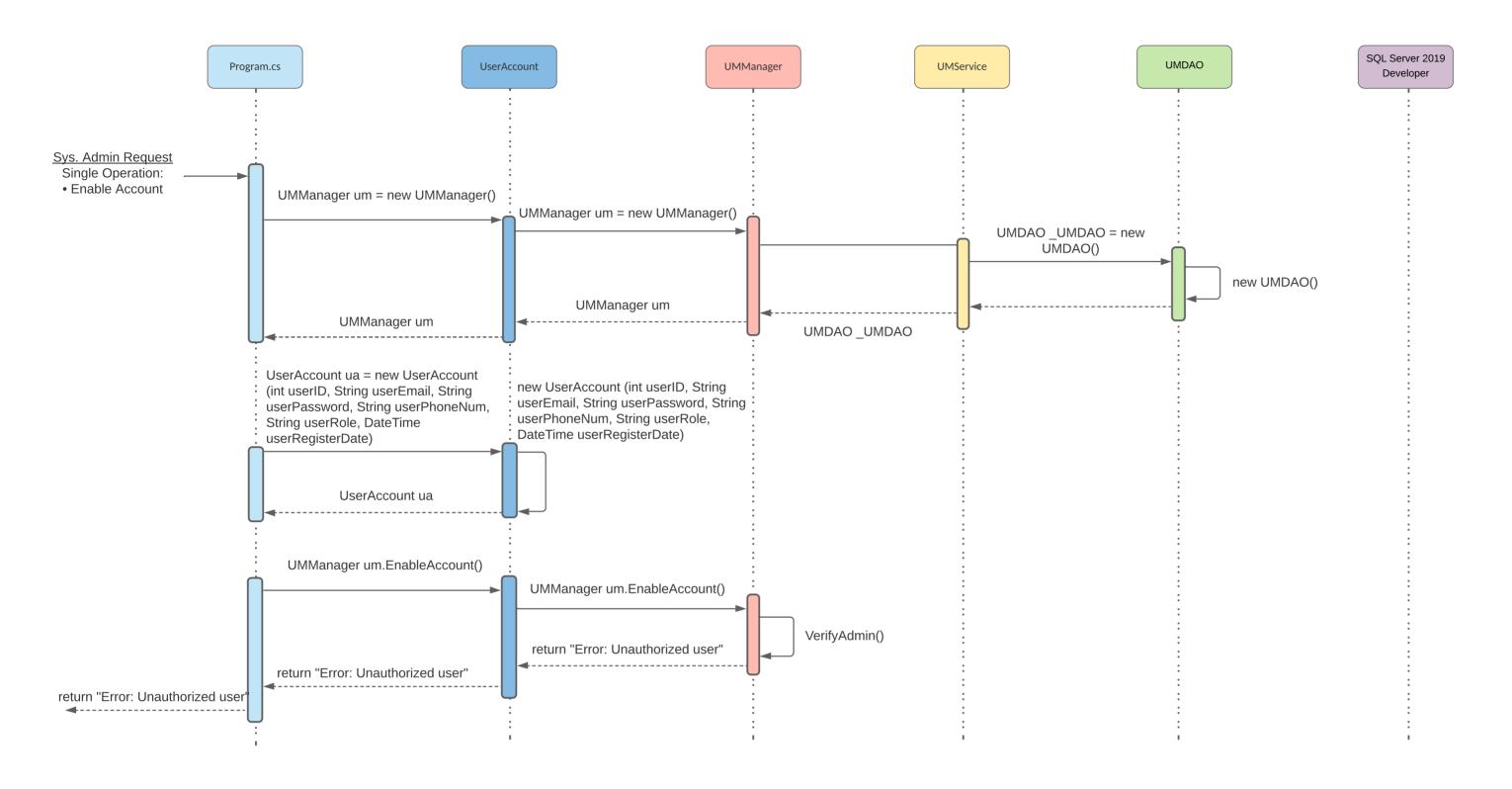




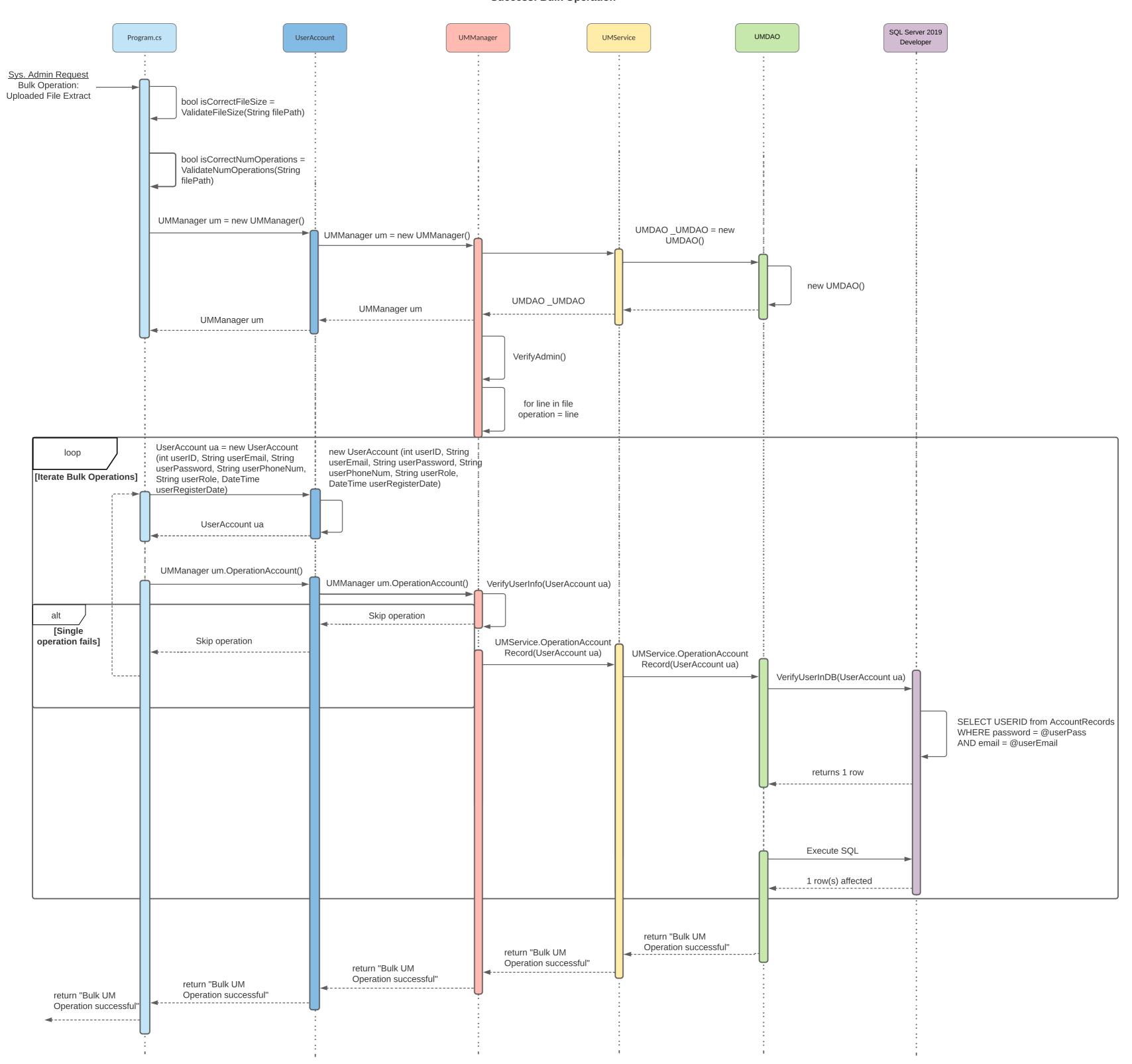




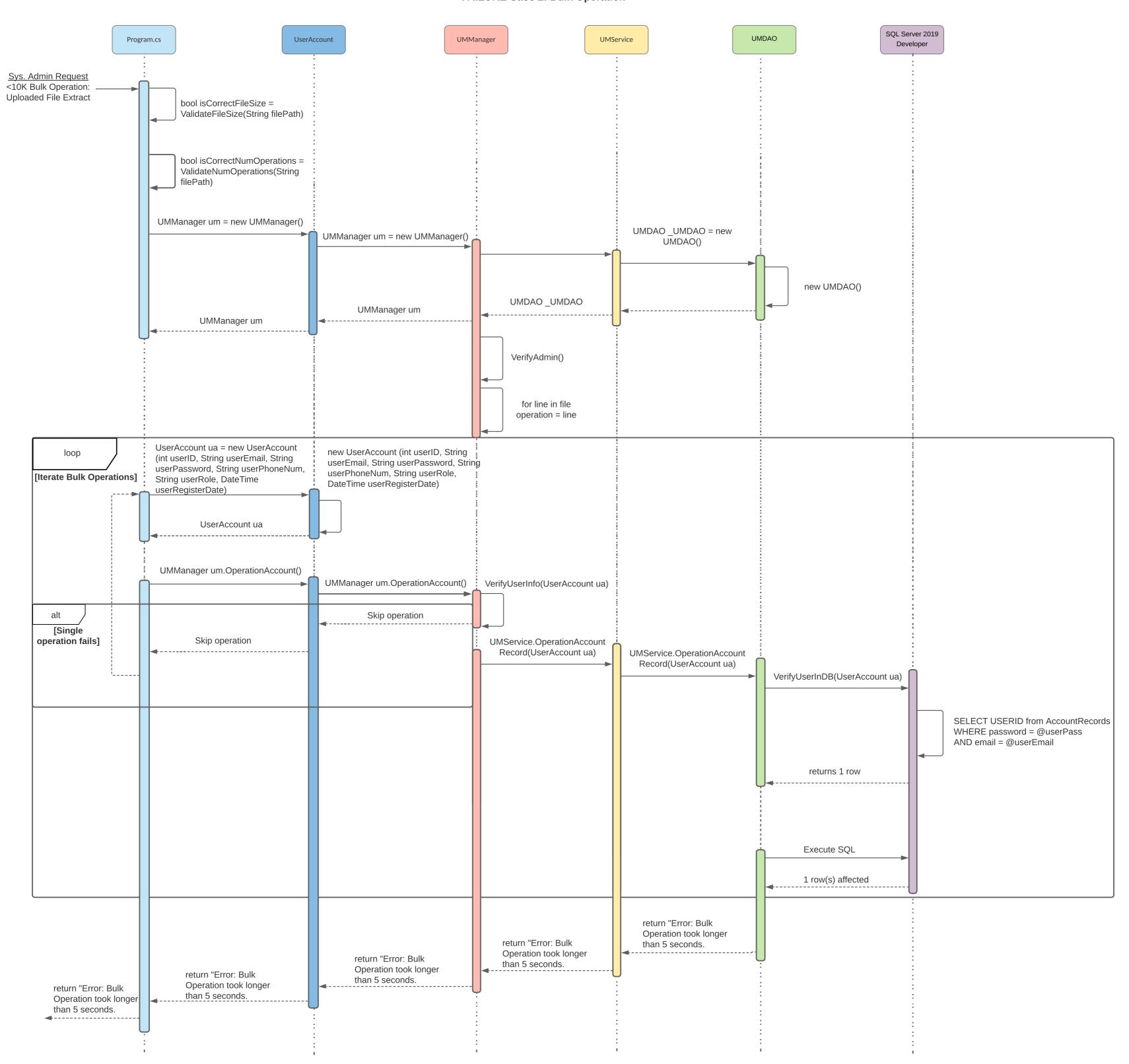


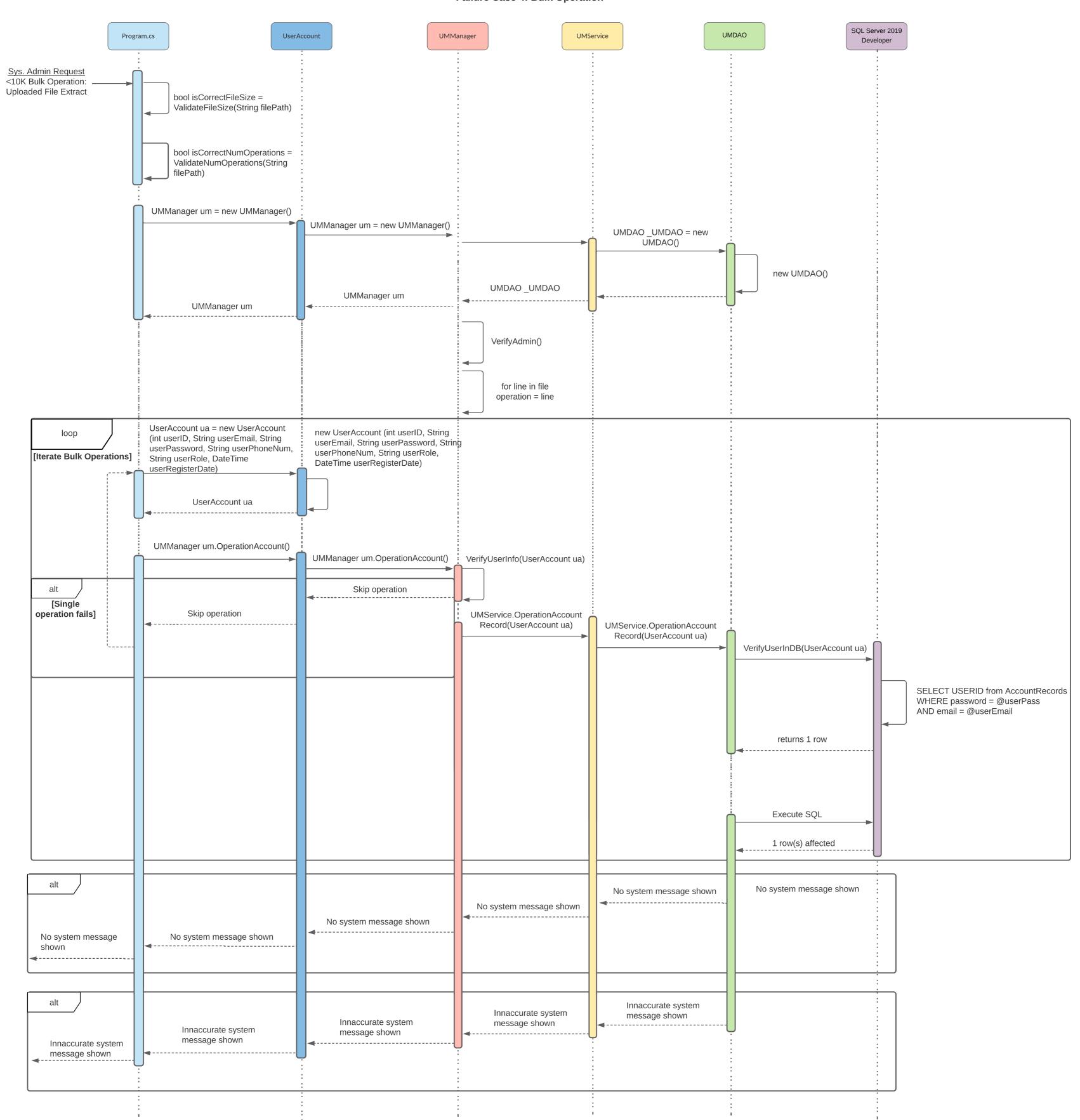


Success: Bulk Operation

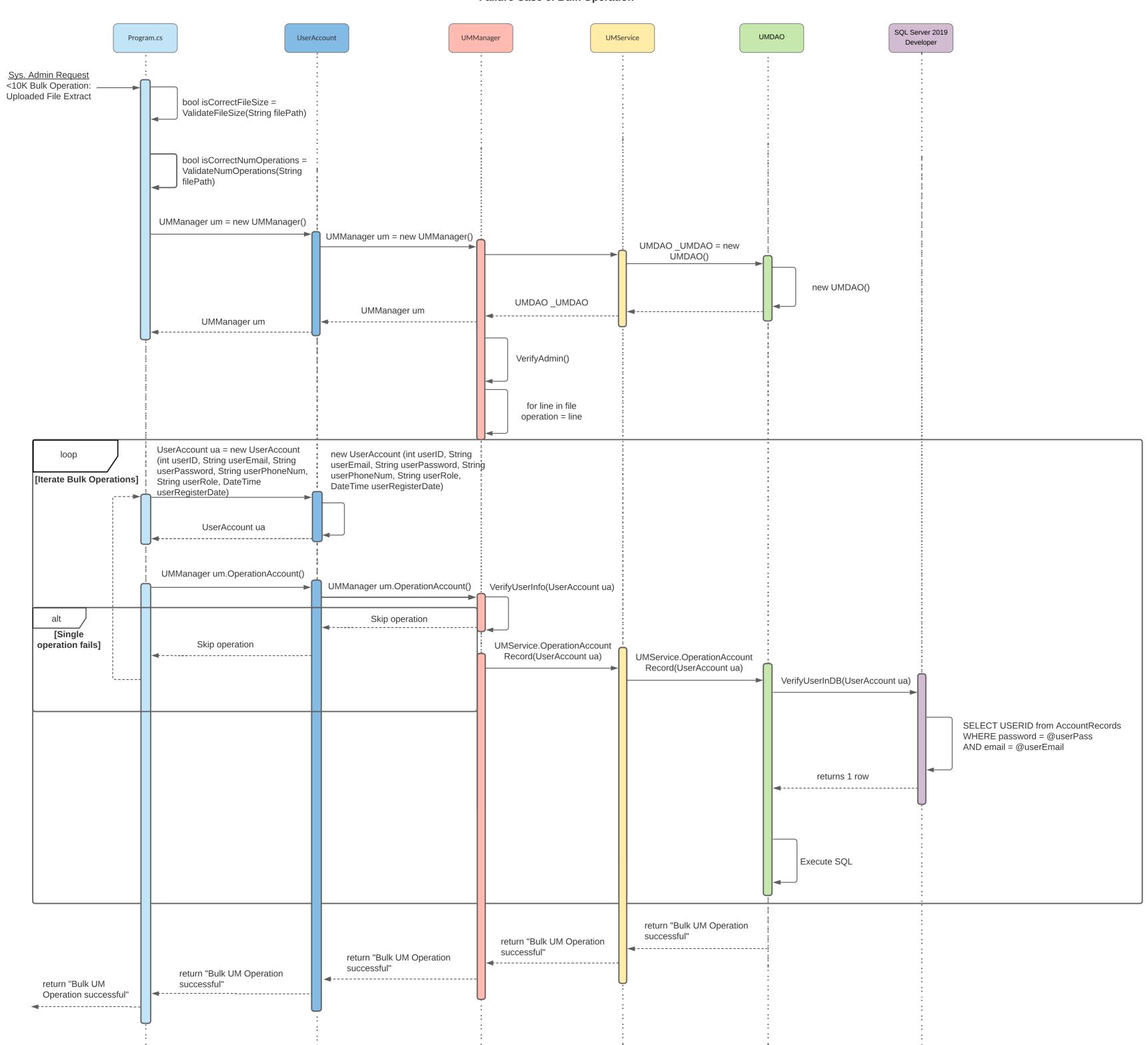


#### FAILURE Case 2: Bulk Operation

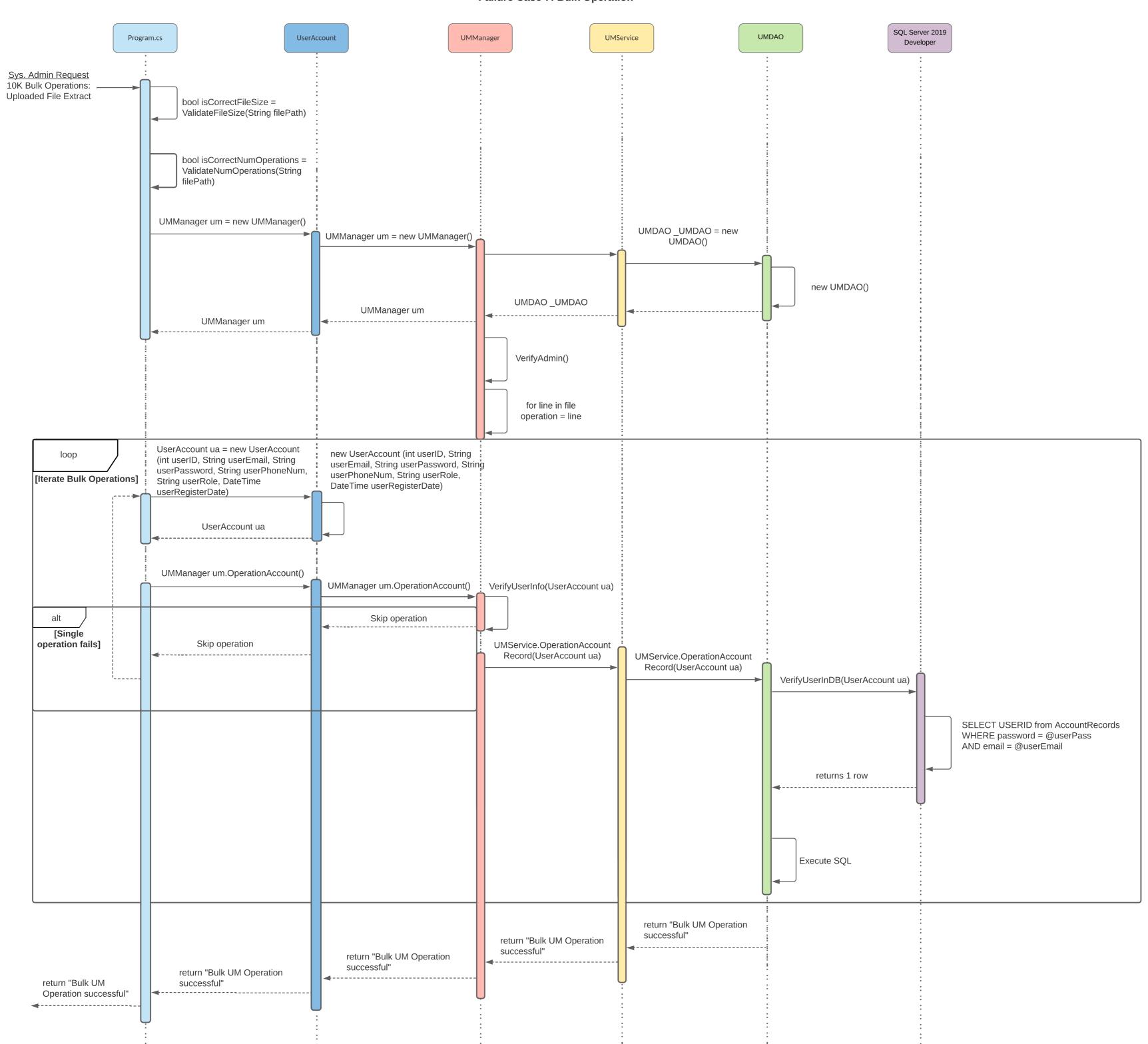




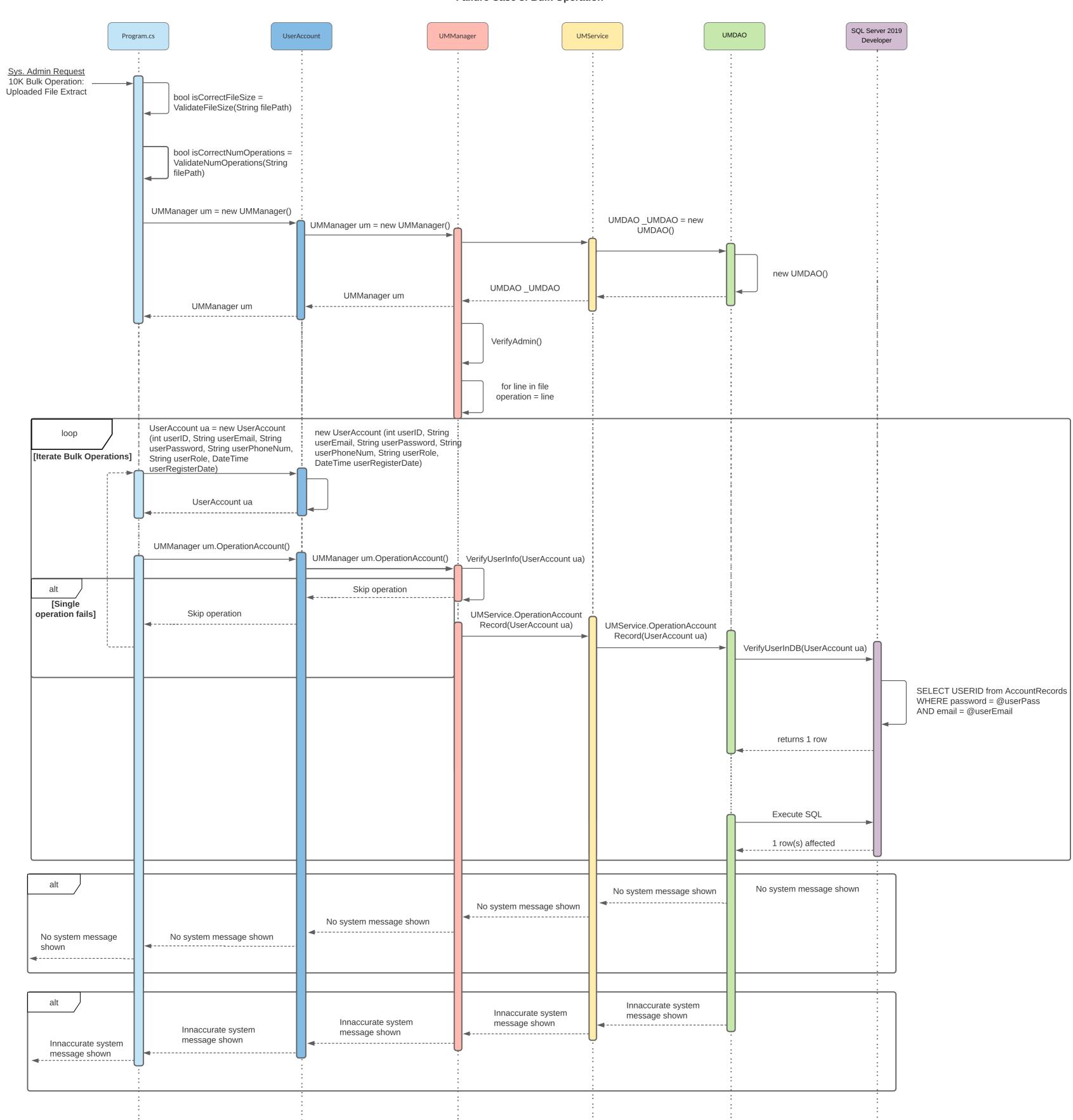
#### Failure Case 6: Bulk Operation



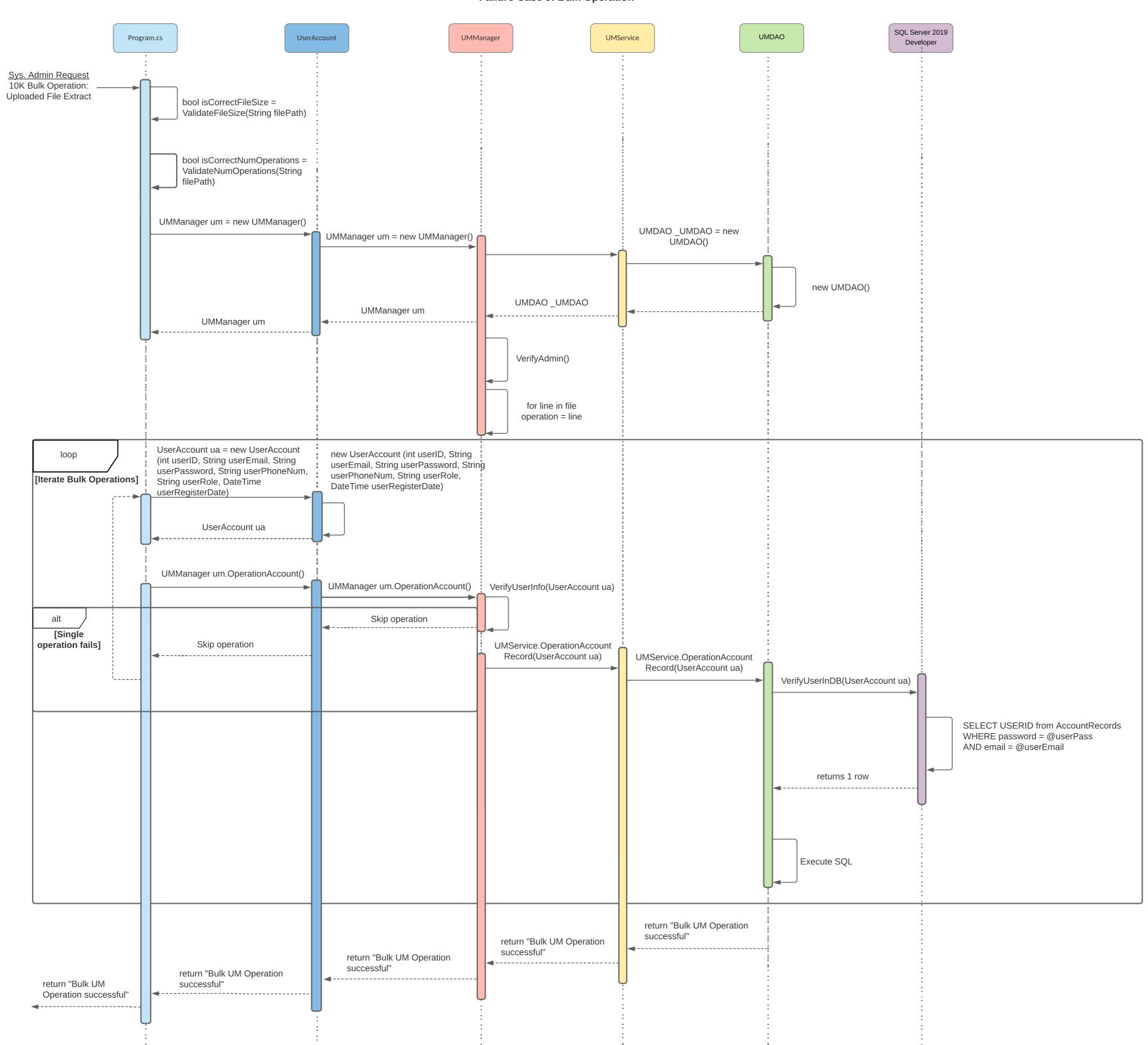
#### Failure Case 7: Bulk Operation



#### Failure Case 8: Bulk Operation

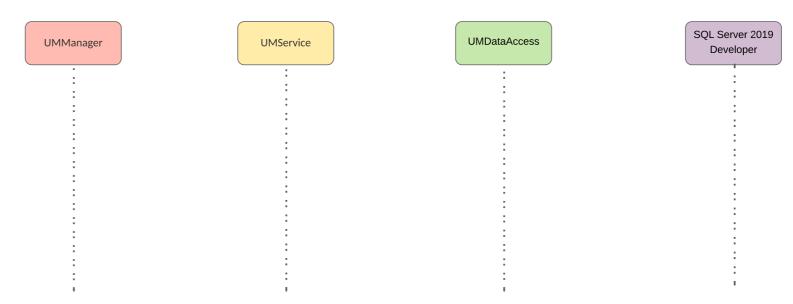


#### Failure Case 9: Bulk Operation

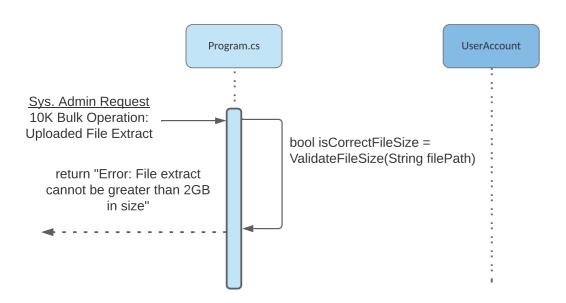


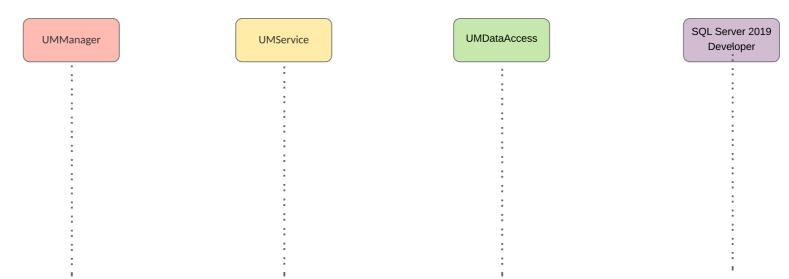
# Sys. Admin Request 10K Bulk Operation: Uploaded File Extract bool isCorrectFileSize = ValidateFileSize(String filePath) return "Error: Exceeded maximum number of operations (10k)" bool isCorrectNumOperations = ValidateNumOperations(String filePath)

# Error Case Overloaded Request: Bulk Operation



# Error Case Oversized File Extract: Bulk Operation





#### **Error Case Authentication: Bulk Operation**

