# SQL Trigger Documentation

## TR\_Users\_Log

\*\*Table:\*\* Users

\*\*Operations:\*\* AFTER INSERT, UPDATE, DELETE

This trigger logs all operations performed on the Users table. When a user record is inserted, updated, or deleted, the trigger inserts an entry into the UserLogs table capturing the UserID, action type, timestamp, and details.

\*\*Log Table:\*\* UserLogs

### Example SQL Code

CREATE TRIGGER [dbo].[TR\_Users\_Log]  
ON [dbo].[Users]  
AFTER INSERT, UPDATE, DELETE  
AS  
BEGIN  
 SET NOCOUNT ON;  
  
 INSERT INTO [dbo].[UserLogs] (UserID, ActionType, ActionTime, Details)  
 SELECT UserID, 'INSERT', GETDATE(), 'New user created'  
 FROM inserted  
  
 UNION ALL  
  
 SELECT UserID, 'UPDATE', GETDATE(), 'User updated'  
 FROM inserted  
  
 UNION ALL  
  
 SELECT UserID, 'DELETE', GETDATE(), 'User deleted'  
 FROM deleted;  
END;

## TR\_UserDocuments\_Log

\*\*Table:\*\* UserDocuments

\*\*Operations:\*\* AFTER INSERT, UPDATE, DELETE

This trigger monitors all document-related changes for users. When a document (like profile picture or ID proof) is added, updated, or removed, it records the activity in the UserDocumentsLog table with a timestamp and description.

\*\*Log Table:\*\* UserDocumentsLog

### Example SQL Code

CREATE TRIGGER [dbo].[TR\_UserDocuments\_Log]  
ON [dbo].[UserDocuments]  
AFTER INSERT, UPDATE, DELETE  
AS  
BEGIN  
 SET NOCOUNT ON;  
  
 INSERT INTO [dbo].[UserDocumentsLog] (UserID, DocumentType, DocumentURL, ActionType, ActionTime)  
 SELECT UserID, DocumentType, DocumentURL, 'INSERT', GETDATE() FROM inserted  
  
 UNION ALL  
  
 SELECT UserID, DocumentType, DocumentURL, 'UPDATE', GETDATE() FROM inserted  
  
 UNION ALL  
  
 SELECT UserID, DocumentType, DocumentURL, 'DELETE', GETDATE() FROM deleted;  
END;