

```
-- Drop the stored procedure if it exists
IF OBJECT_ID ('spNewSessionID') IS NOT NULL
    DROP PROCEDURE spNewSessionID
GO

USE MLogger
GO

-- Creates a new session ID and stores it in the Session table
-- Returns: Session ID
CREATE PROCEDURE spNewSessionID(@userName varchar(50)) AS
    DECLARE @sessionID INT
    DECLARE @userID INT

    -- Grab the user's ID
    SELECT @userID = userID FROM tblUsers WHERE userName = @userName

    -- Set the new session ID
    SELECT @sessionID = ABS(CAST(CAST(NEWID() AS VARBINARY) AS INT));

    -- Clear all previous sessions for the user
    DELETE FROM tblSessions WHERE userID = @userID

    -- Insert the new userID/session ID pair into the table with a 2-hour expiration
    INSERT INTO tblSessions(userID, sessionID, expiration) VALUES(@userID, @sessionID,
    DATEADD(hh, 2, GETDATE()))

    -- Returns the session ID
    RETURN @sessionID
GO
```