**Task Notes**

1. Script for creating database, populating data, run tests and resulted stored procedure is “SQLDeveloperTest.publish.sql”
2. “SQL Developer Test.sln” is a SQL Server Database Project that used for creating the result.

My approach to verify correctness of the stored procedure and schema functionality was that:

1. After implementation some logical part of code I tested this code with different input parameters and checked results.
2. Test scripts were created for each function and procedure.
3. The stored procedure was called with different parameters and without optional parameters.
4. I used Actual Execution plan for improving queries performance. As a result, I changed function for filtering by the role(s) of the user.