

Assignment

MS SQL Database-1



General Instruction: Please read “SQL Coding Standards and Best Practices” document before you start work on this assignment.

[SQL Server Naming Conventions and Standards \(dotnettricks.com\)](https://www.dotnettricks.com/SQL-Server-Naming-Conventions-and-Standards)

[sqlserver-kit/SQL Server Name Convention and T-SQL Programming Style.md at master · ktaranov/sqlserver-kit \(github.com\)](https://github.com/ktaranov/sqlserver-kit/blob/master/SQL%20Server%20Name%20Convention%20and%20T-SQL%20Programming%20Style.md)

Definition

Create a web portal like Facebook/Instagram, where all company employees can post and react to those posts. Posts could be of any group, like, Entertainment, Technical, Technology, Books corner, Art & Craft etc. And these groups will be followed by sub groups. For example, Entertainment could be of Movie review/Netflix series suggestion/Play review. Technical sub groups could be, .net/react/Android/Design/Quality etc.

Prepare SQL script for all below modules and later those script will be used in stored procedures in advance database part.

➤ “Create table” scripts for:

1. City (name)
2. Roles (name)
3. Users (First name, Last name, role, email id, password, phone number, photo, birth date, address, city, Joining date, created date, photo, active)
4. Groups (Name, Description, Active, Created date, Created by)
5. Sub Groups (Name, Group, Description, Active, Created date, Created by)
6. Group Posts (Posted by, Title, Content, Image 1, Image 2, Reference, Like count, Created date)

➤ Create script to insert data in the above tables.

➤ Create script to select

1. All the cities
2. All roles
3. All Users
4. All Groups

5. “All” Users (First Name + Last Name, Role name, Email id, Phone number, Birth Date, City) – and users - role wise
 6. “All” Sub Groups – and Sub groups – group wise
 7. Select Users whose birthdate is today
 8. Select posts of last 2 days – latest on top
 9. Select posts of particular active user (First name + Last Name, Role, Post Title, Reference, Likes count, Post creation date)
 10. Select posts of employee who had joined company first.
- Update/Delete scripts for all the above tables.
 - Update/Delete scripts for below scenarios.
 1. Update joining date of an employee
 2. Delete groups created by role say ‘HR’
 3. Update description and active status of particular group