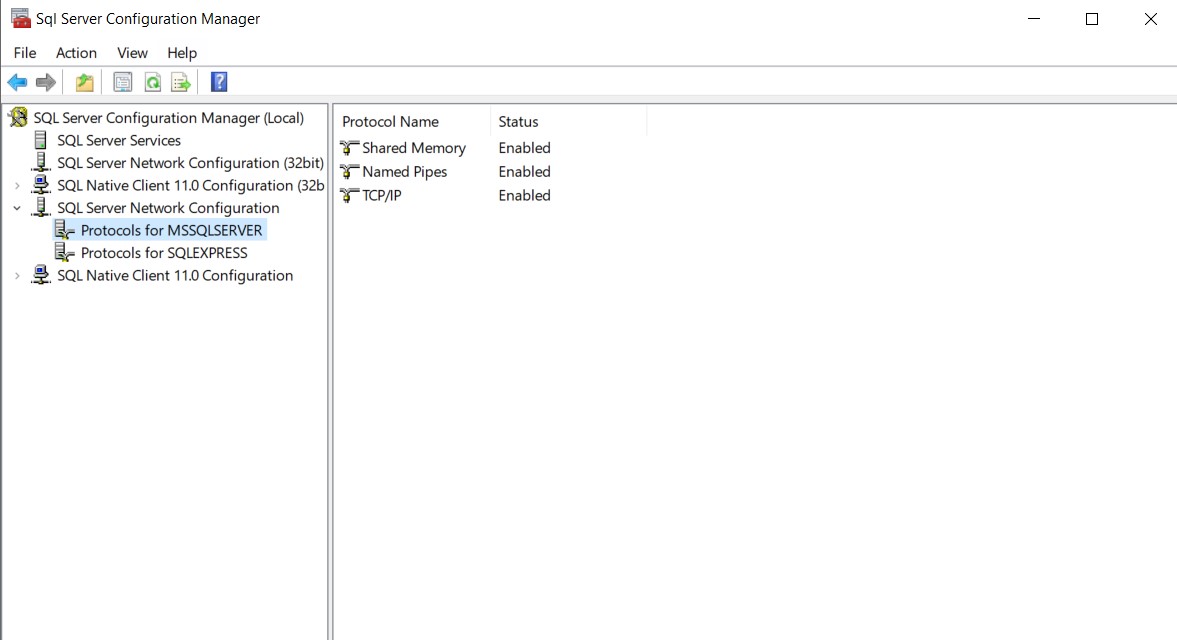
**NAME: RABIA BATOOL**

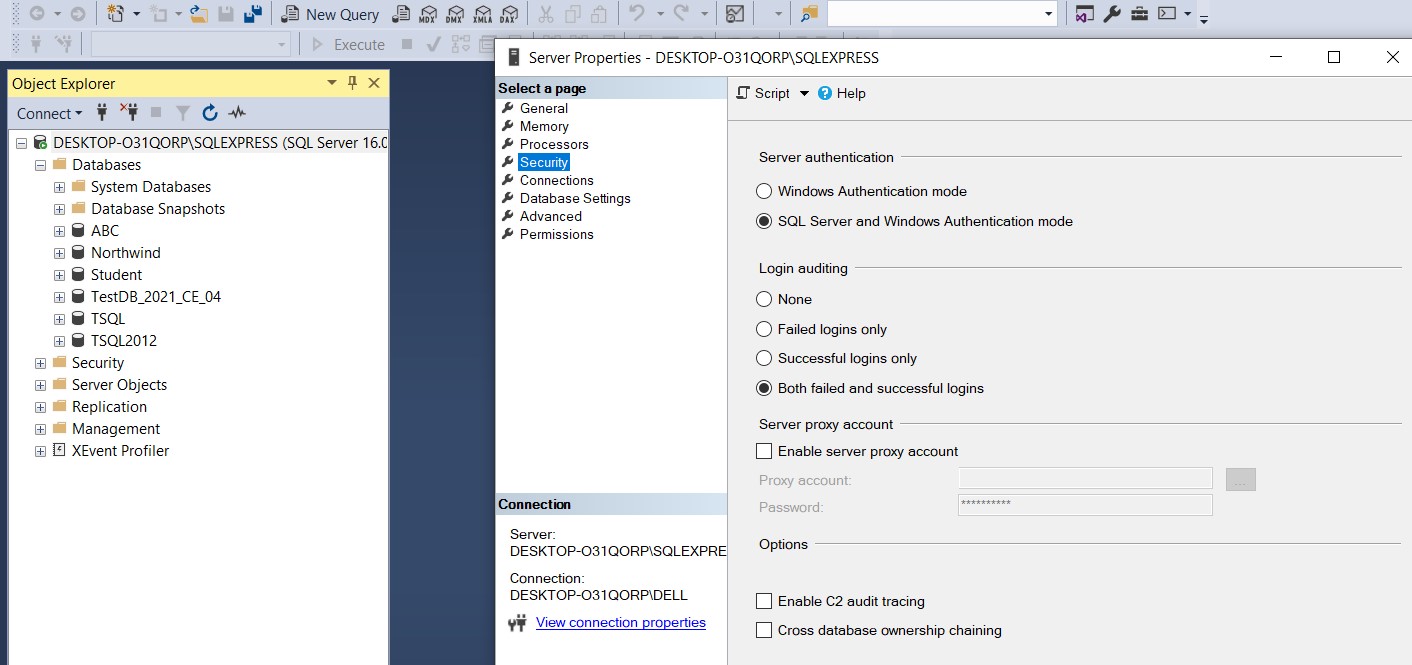
**DEPARTMENT: COMPUTER ENGINEERING**

**REG#: 2021-CE-04**

**SQL SERVER CONFIQURATION MANAGER SETTINGS**



**CHANGING THE AUTHENTICATION MODE TO SEQUAL SERVER AUTHENTICATION MODE**



**SCRIPT TO DO THE FOLLOWING:**

**--1. Create roles/groups for security in the database.**

CREATE ROLE SalesRole;

CREATE ROLE HRRole;

CREATE ROLE CEORole;

**--2. Modify access for those roles/groups.**

**-- Grant SalesRole the ability to view Orders and Customers table**

GRANT SELECT ON dbo.Orders TO SalesRole;

GRANT SELECT ON dbo.Customers TO SalesRole;

**-- Grant HRRole the ability to view Employee table**

GRANT SELECT ON dbo.Employees TO HRRole;

**-- Grant CEORole the ability to view Orders, Customers and Employee tables**

GRANT SELECT ON dbo.Orders TO CEORole;

GRANT SELECT ON dbo.Customers TO CEORole;

GRANT SELECT ON dbo.Employees TO CEORole;

**--3. Create three new database users:**

**--4. Add each user to the appropriate role\group.**

**-- Create new database users and add them to roles/groups**

Create User\_CEO and add to CEORole

CREATE LOGIN User\_CEO WITH PASSWORD = 'User\_CEO';

CREATE USER User\_CEO FOR LOGIN User\_CEO;

ALTER ROLE CEORole ADD MEMBER User\_CEO;

Create User\_HR and add to HRRole

CREATE LOGIN User\_HR WITH PASSWORD = 'User\_HR';

CREATE USER User\_HR FOR LOGIN User\_HR;

ALTER ROLE HRRole ADD MEMBER User\_HR;

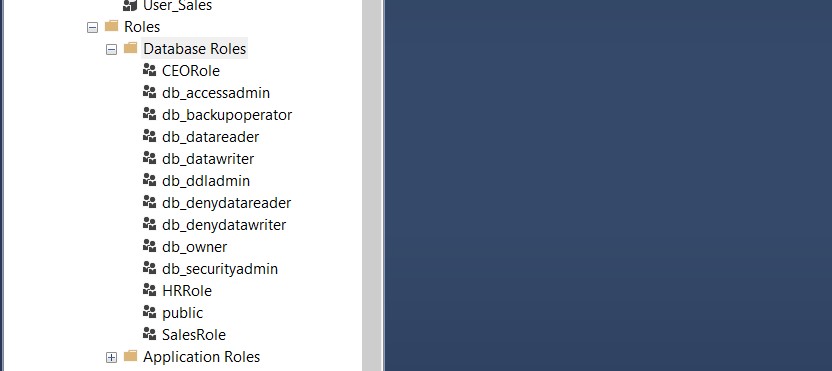
Create User\_Sales and add to SalesRole

CREATE LOGIN User\_Sales WITH PASSWORD = 'User\_Sales';

CREATE USER User\_Sales FOR LOGIN User\_Sales;

ALTER ROLE SalesRole ADD MEMBER User\_Sales;

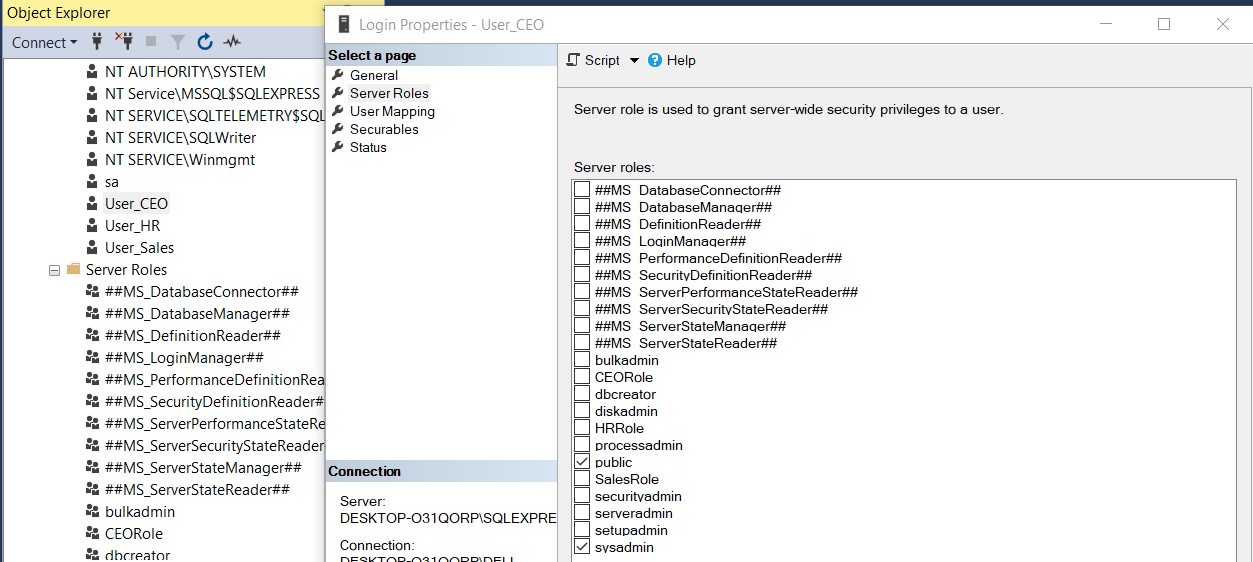
**Create roles/groups for security in the database**



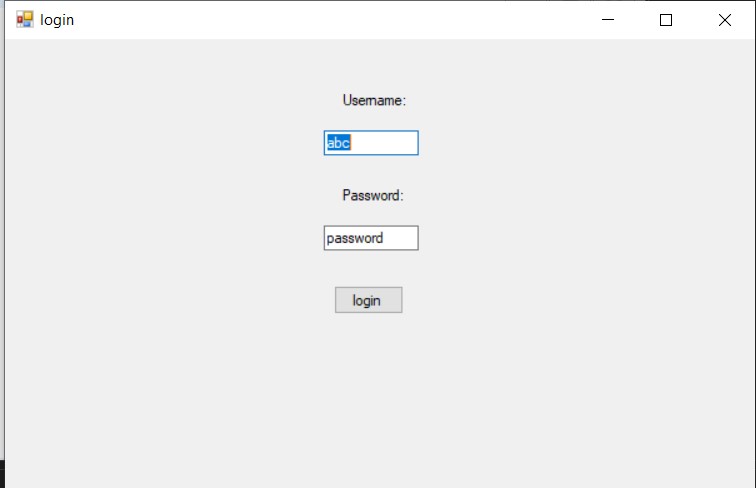
**Create three new database users**

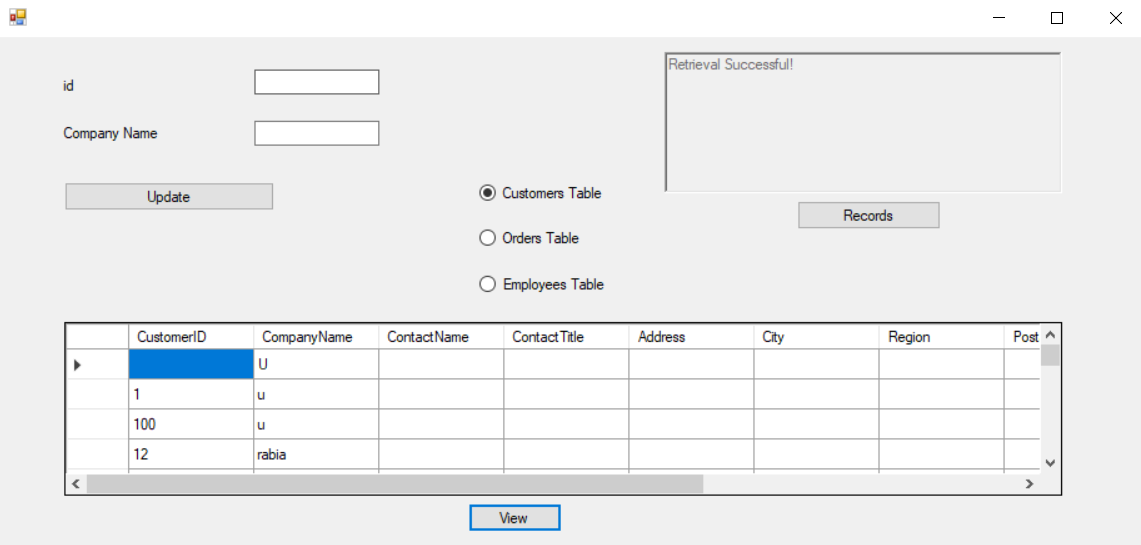
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**CREATING LOGINS**

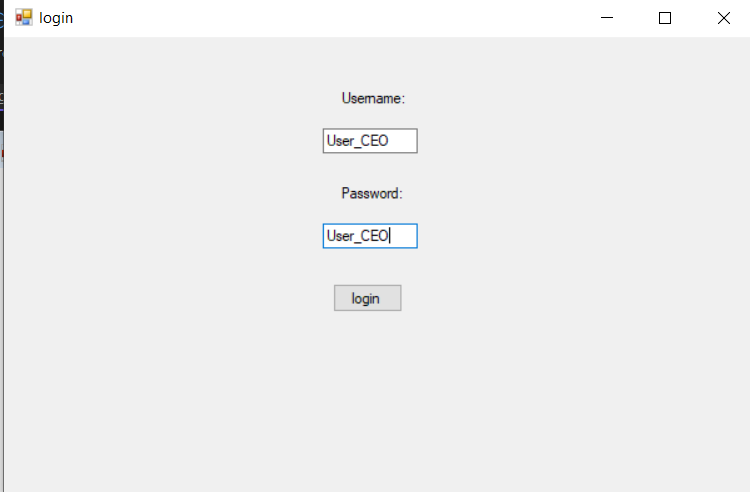
**CHANGING LOGINS SETTINGS SO THEY CAN ACCESS CERTAIN TABLES ONLY**

Testing App

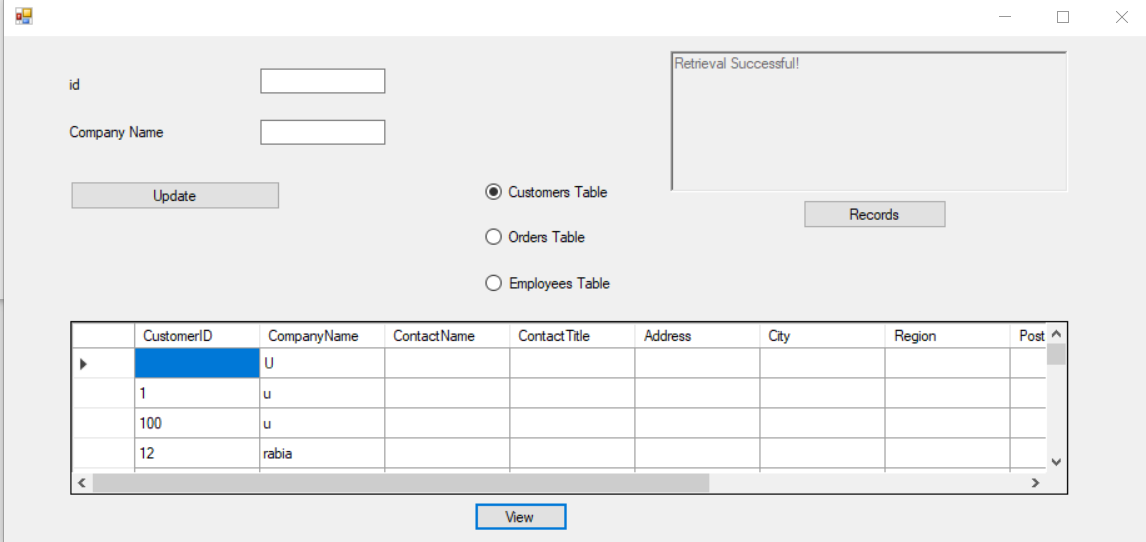
**LOGIN INTERFACE**

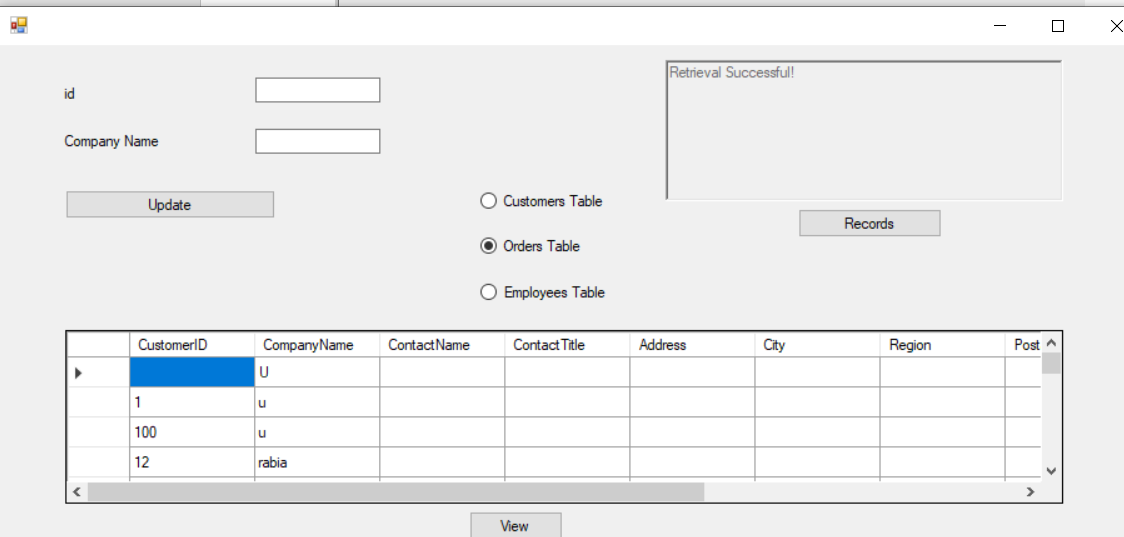
**CREATING FORM INTERFACE AFTER LOGGING IN**

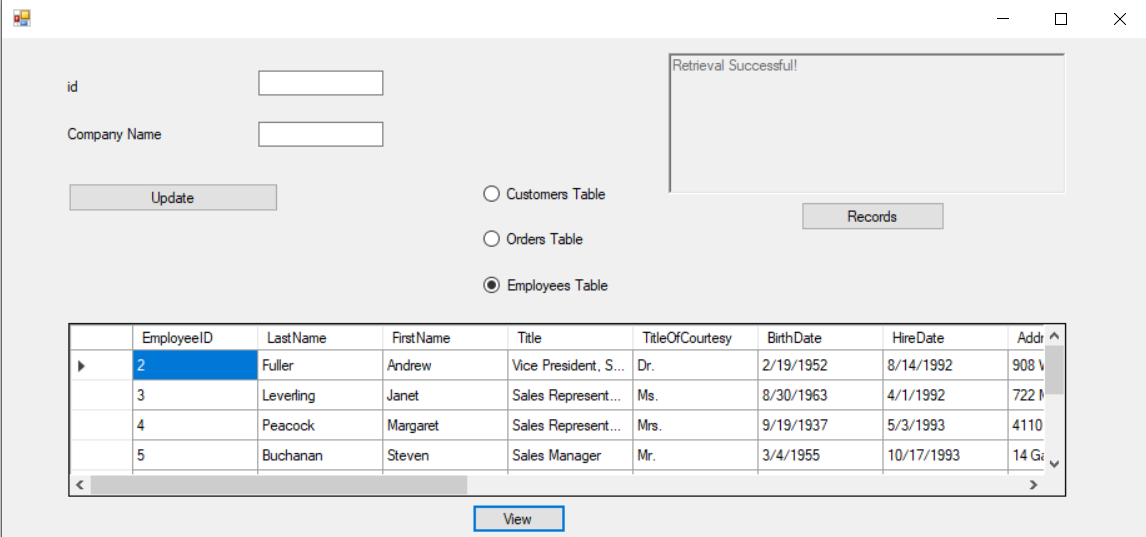
**WHEN LOGGING IN AS User\_CEO**

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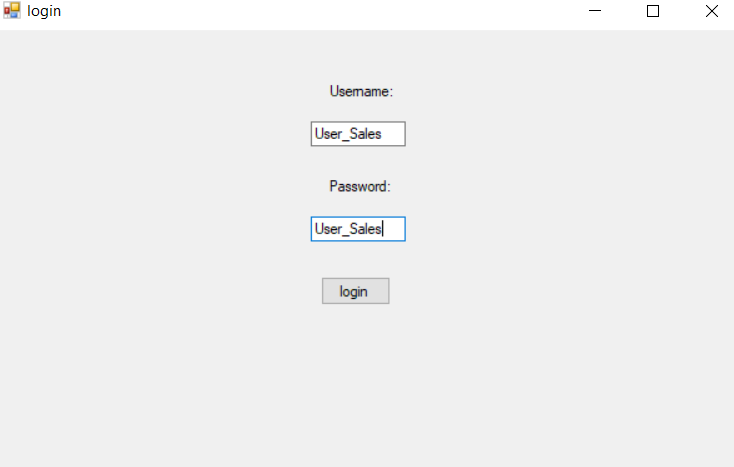
**TABLES ACCESSED BY User\_CEO**

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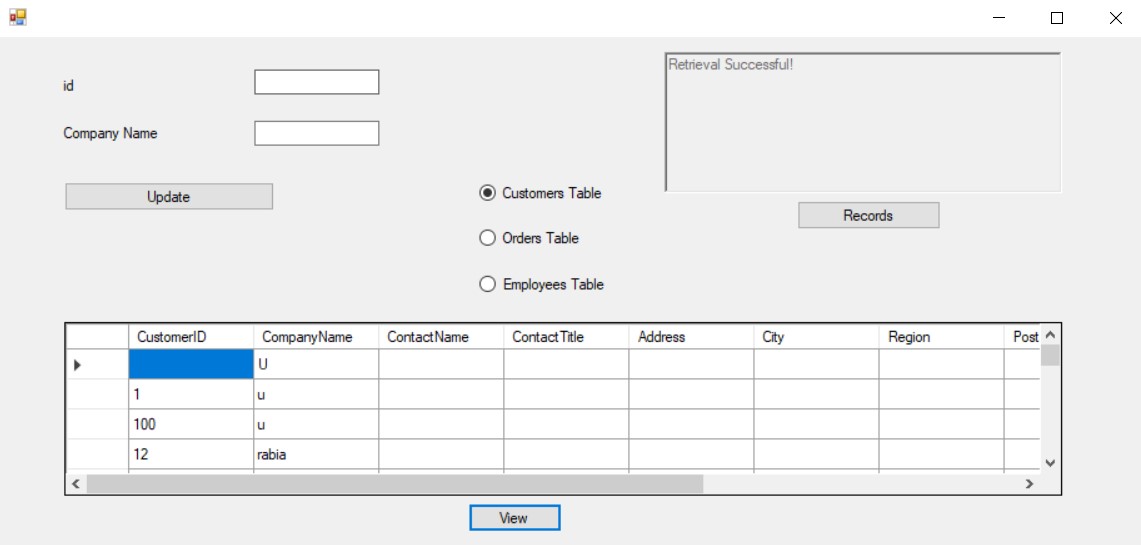
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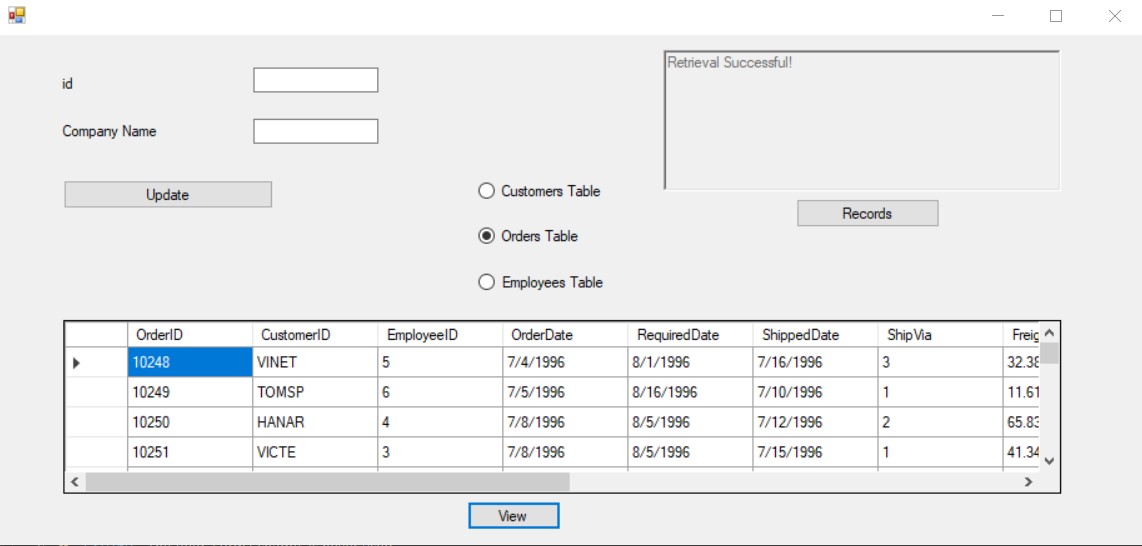
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**WHEN LOGGING IN AS User\_Sales**

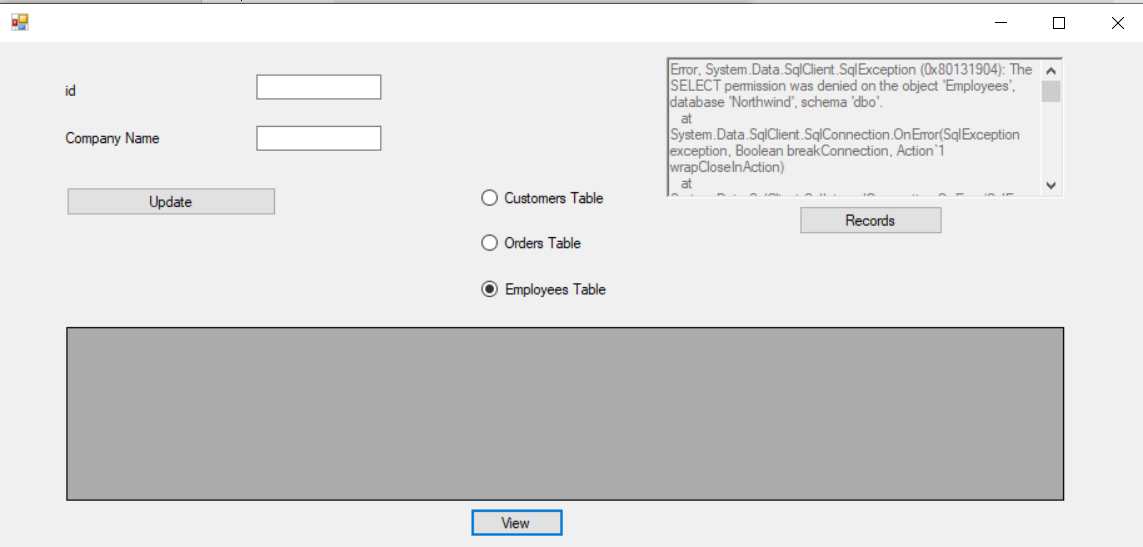
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**TABLES ACCESSED BY USER\_Sales**

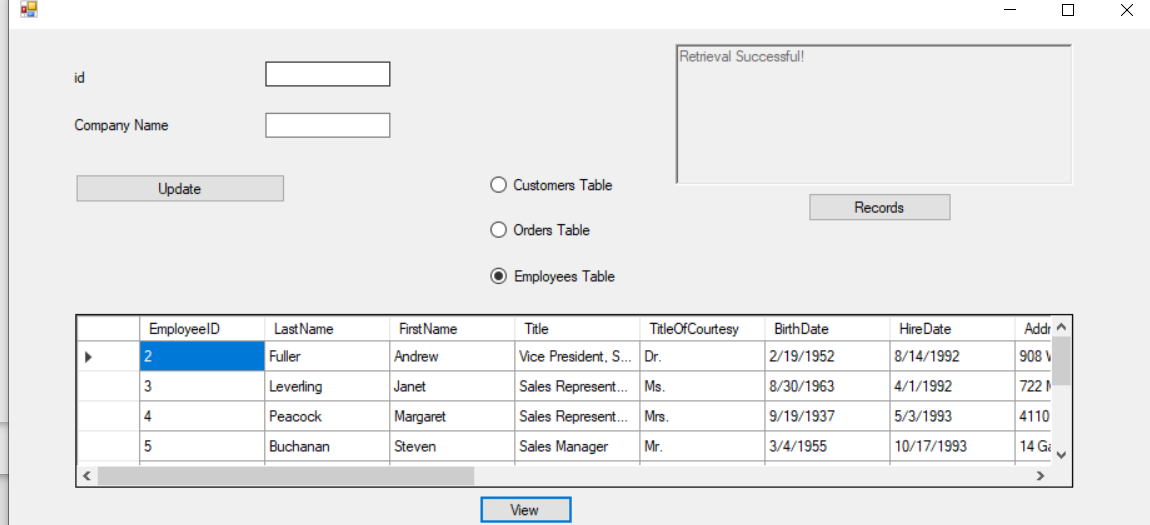
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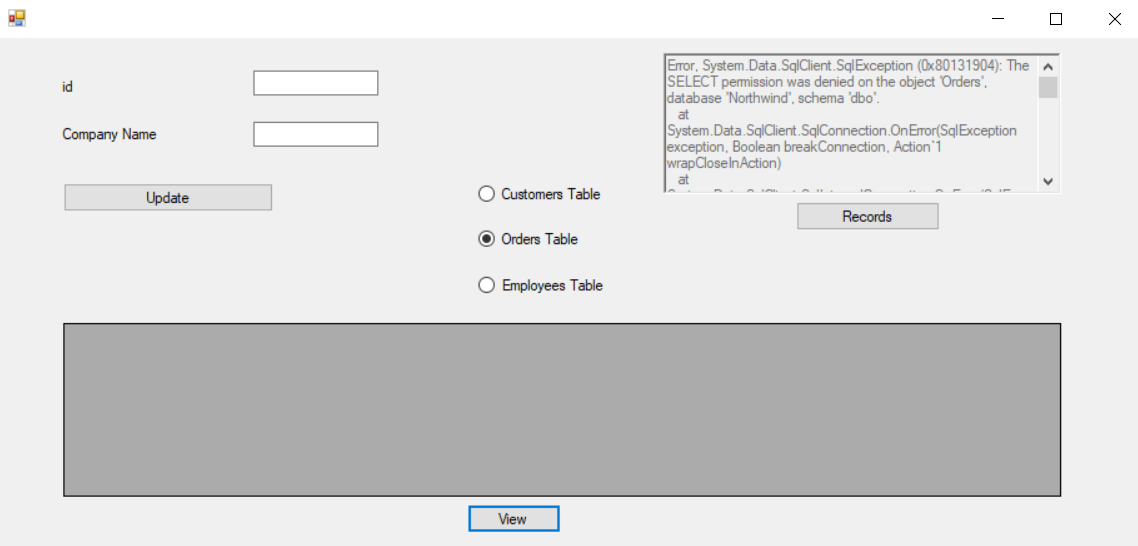
Access Granted + Denied

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**WHEN LOGGING IN AS User\_HR**

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Access Granted + Denied

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The app is working as per requirements.