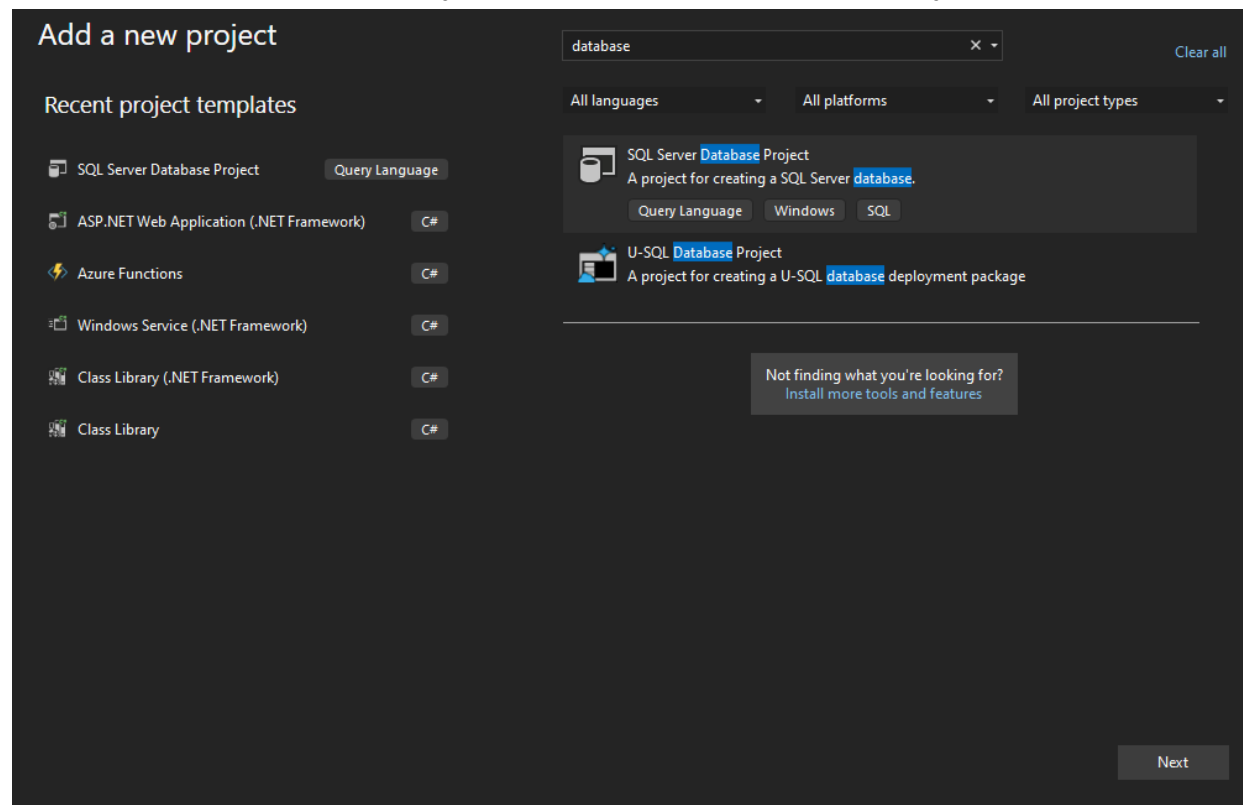
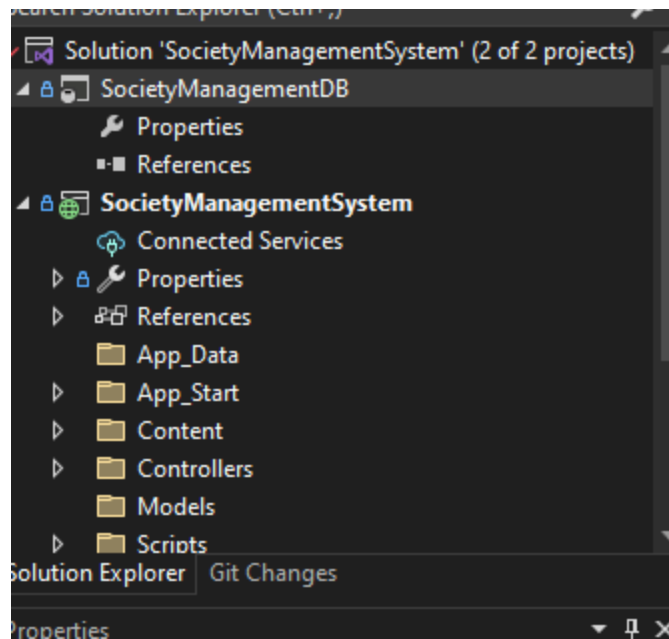


## Installation

1. Install SQL Server Express Edition 2019  
<https://www.microsoft.com/en-us/download/details.aspx?id=101064>
2. Install SQL Server Management Studio  
<https://learn.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16>
3. Follow the installation procedure for SQL Server Express Edition 2019 as instructed in this video till (5:12) <https://www.youtube.com/watch?v=UpvFwbe6lOs>
4. Install SQL Server Management Studio as per default installation
5. After Installation, open SQL Server Management Studio and create a connection.
6. After that, open project in Visual Studio 2022
7. Right click on solution -> Add -> New Project, Select SQL Server Database Project

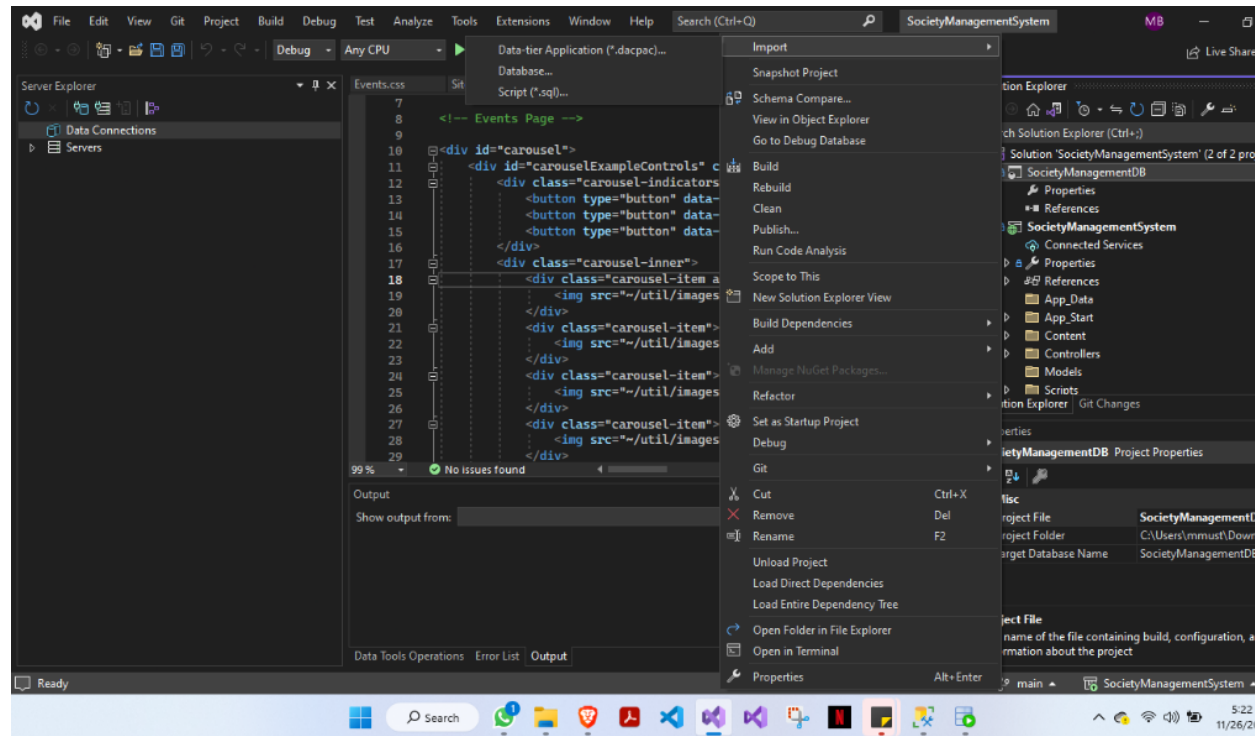


- a.
8. Enter Project Name "SocietyManagementDB". Press Create. Your solution Explorer will look like this.



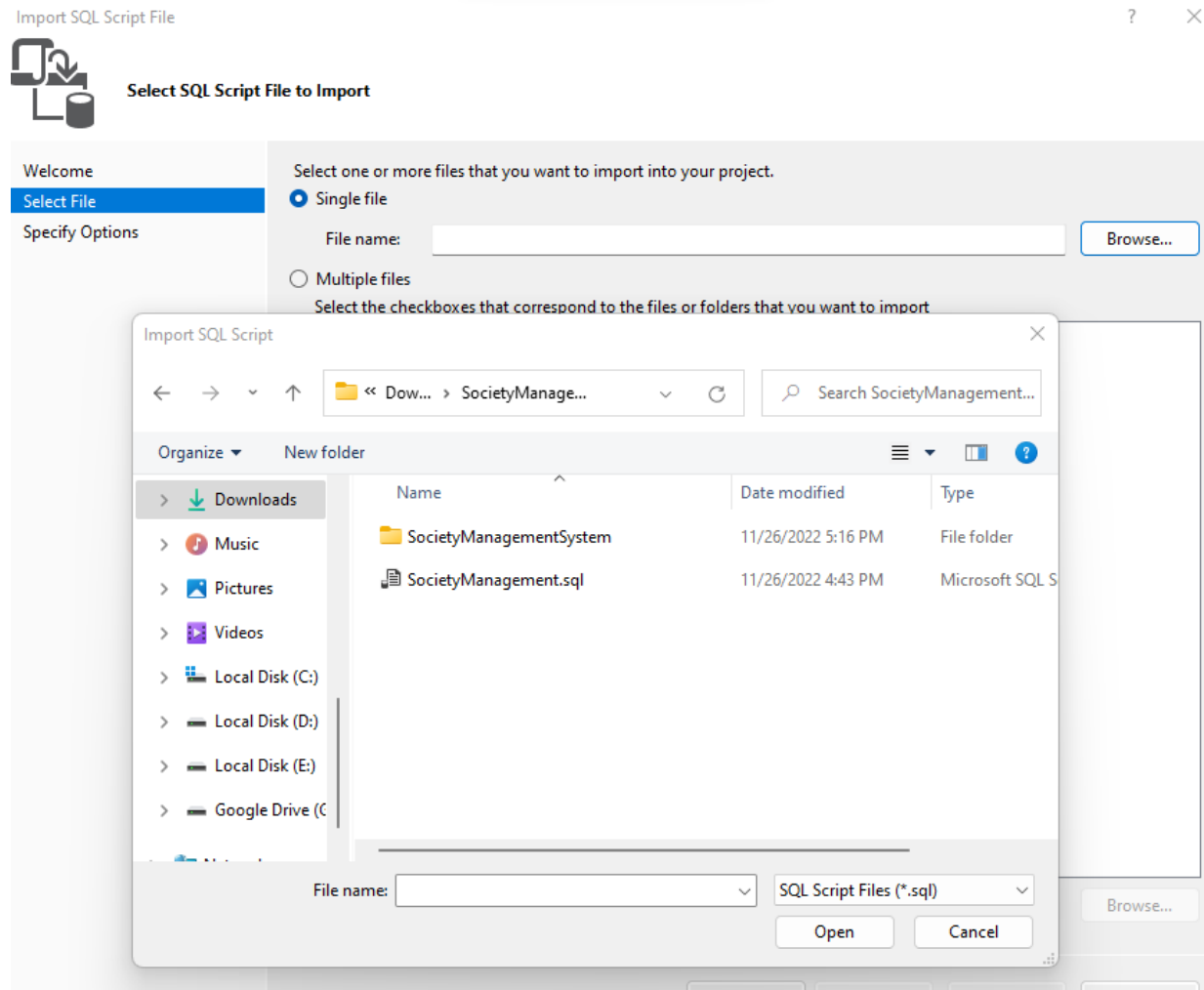
a. Properties

9. Right click on SocietyManagementDB -> Import -> Script (\*.sql). A window will appear as shown.



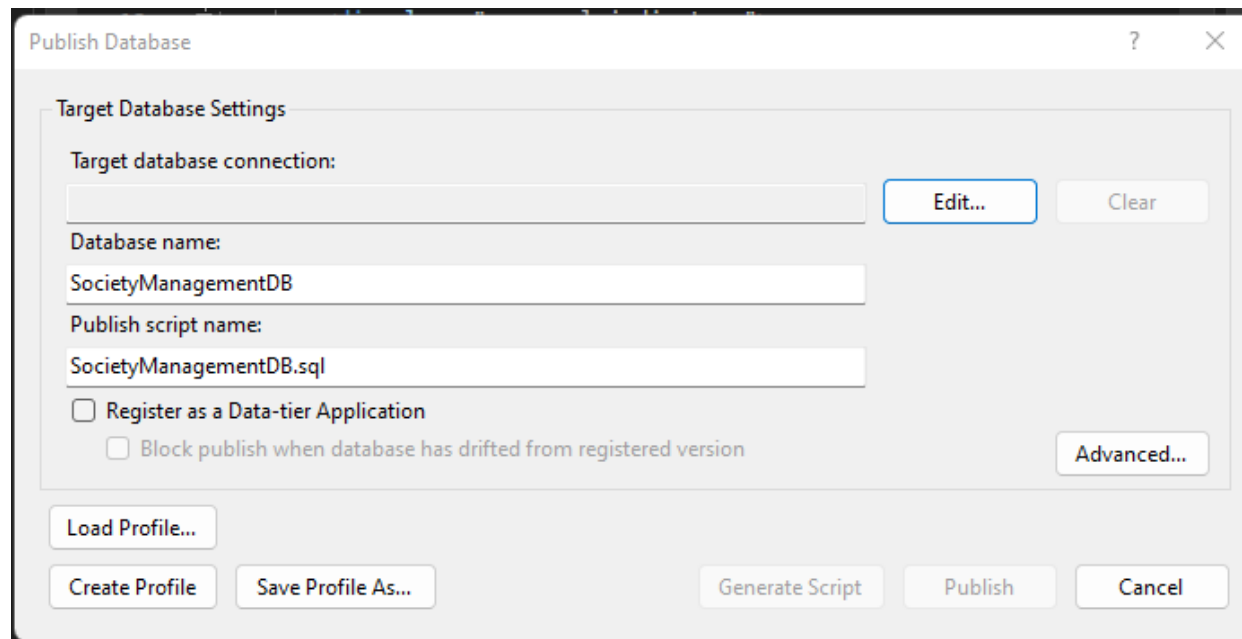
a.

10. Go to browse -> Project Folder -> SocietyManagement.sql, then click Next -> Next.



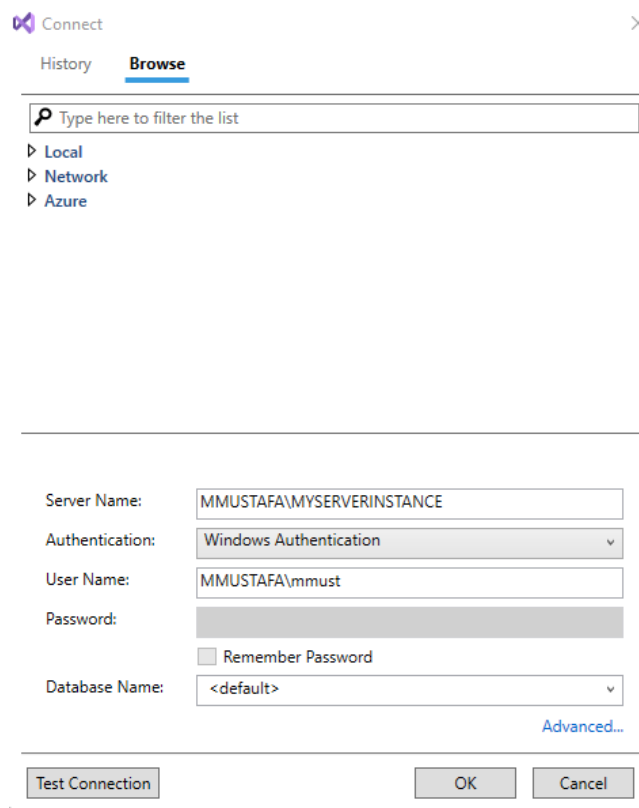
a.

11. Right click on SocietyManagementDB, Click on Publish.



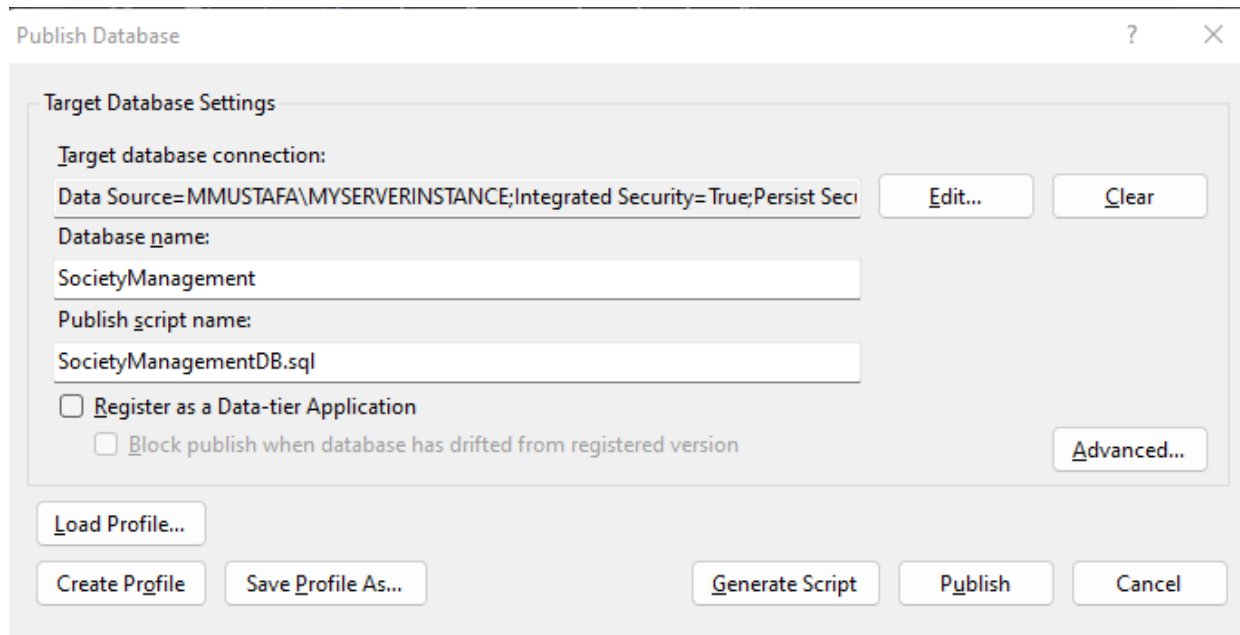
a.

12. Click on Edit -> Browse -> Enter Server Name same as shown in SQL Server Management Studio



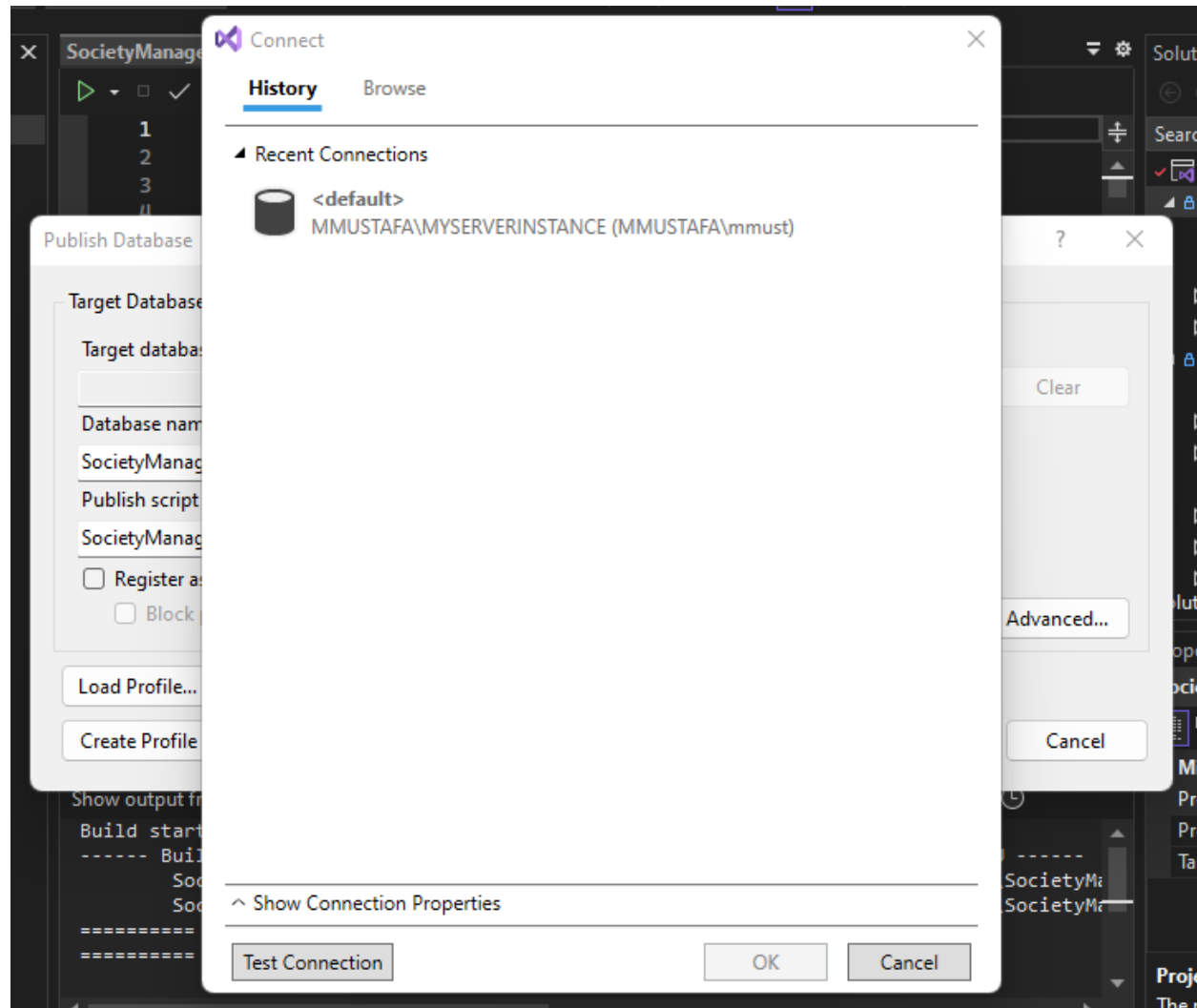
a.

13. Enter database name "SocietyManagement" as shown in figure. Then click "Generate Script"



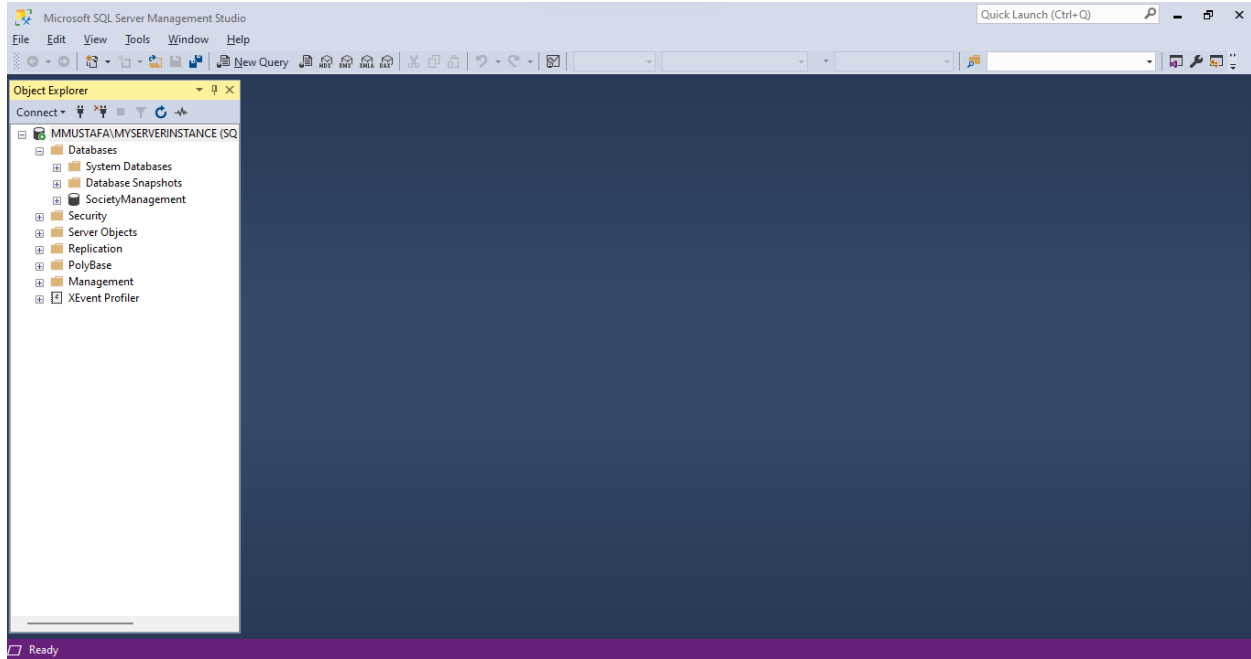
a.

14. Again right click on SocietyManagementDB, Click on Publish. Then go to Edit, this time stay on History and select your <default>.



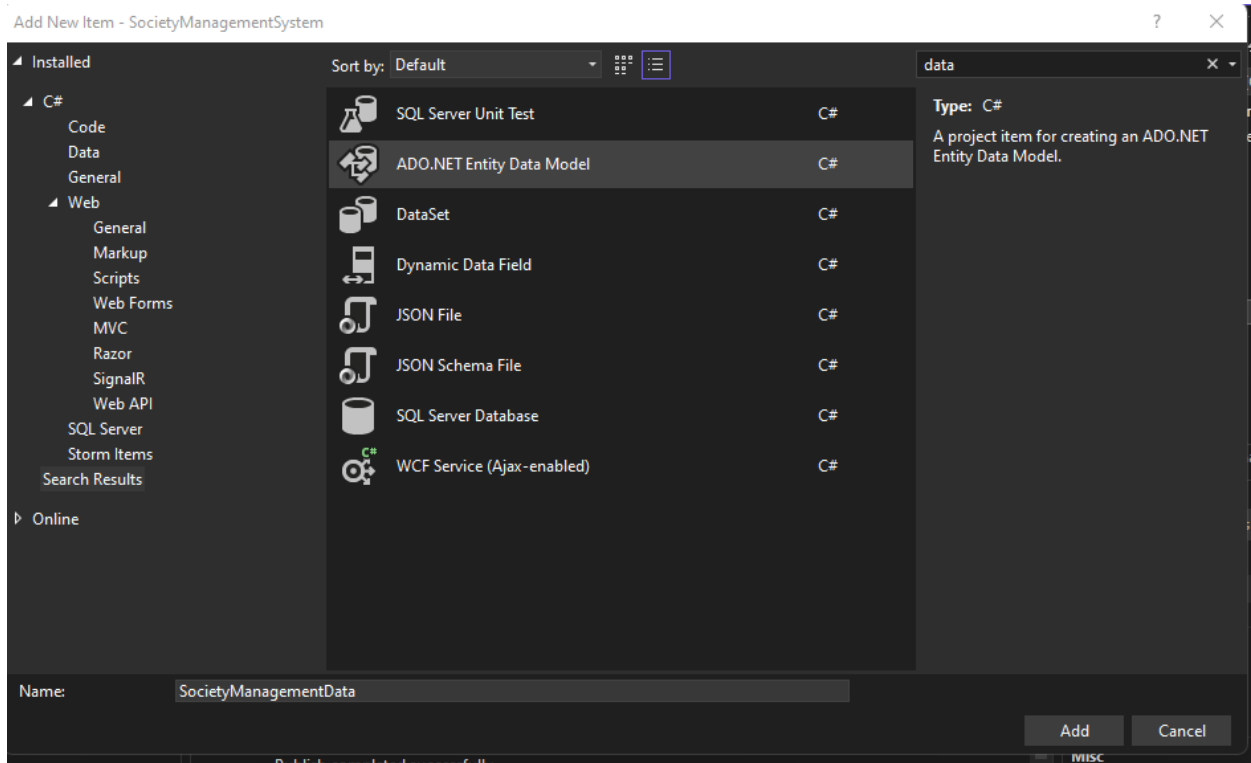
a.

15. Again enter database name "SocietyManagement", and click "Publish".
16. Once it is published, go to Sql Sever Management Studio. Click on Refresh icon. Go to Databases, SocietyManagement should appear there as shown in figure.



a.

17. Now go to SocietyManagementSystem project, right click on Models -> Add -> New Item. Select "ADO .NET Entity Data Model", rename it as SocietyManagementData. Click Add



a.

18. Click on the first option "EF Designer from databases".



## Choose Model Contents

## What should the model contain?

EF Designer  
from data...Empty EF  
Designer  
modelEmpty Code  
First modelCode First  
from  
database

Creates a model in the EF Designer based on an existing database. You can choose the database connection, settings for the model, and database objects to include in the model. The classes your application will interact with are generated from the model.

&lt; Previous

Next &gt;

Finish

Cancel

a.

19. Click on New Connection. Click on Change.

**Choose Your Data Connection**

**Which data connection should your application use to connect to the database?**

[New Connection...](#)

This connection string appears to contain sensitive data (for example, a password) that is required to connect to the database. Storing sensitive data in the connection string can be a security risk. Do you want to include this sensitive data in the connection string?

- ☐ No, exclude sensitive data from the connection string. I will set it in my application code.
- ☐ Yes, include the sensitive data in the connection string.

**Connection string:**

☒ Save connection settings in Web.Config as:

[< Previous](#)[Next >](#)[Finish](#)[Cancel](#)

a.





## Connection Properties

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source:

Microsoft SQL Server Database File (SqlClient)

Change...

Database file name (new or existing):

Browse...

Log on to the server

☒ Use Windows Authentication

☐ Use SQL Server Authentication

User name:

Password:

☐ Save my password

Advanced...

Test Connection

OK

Cancel

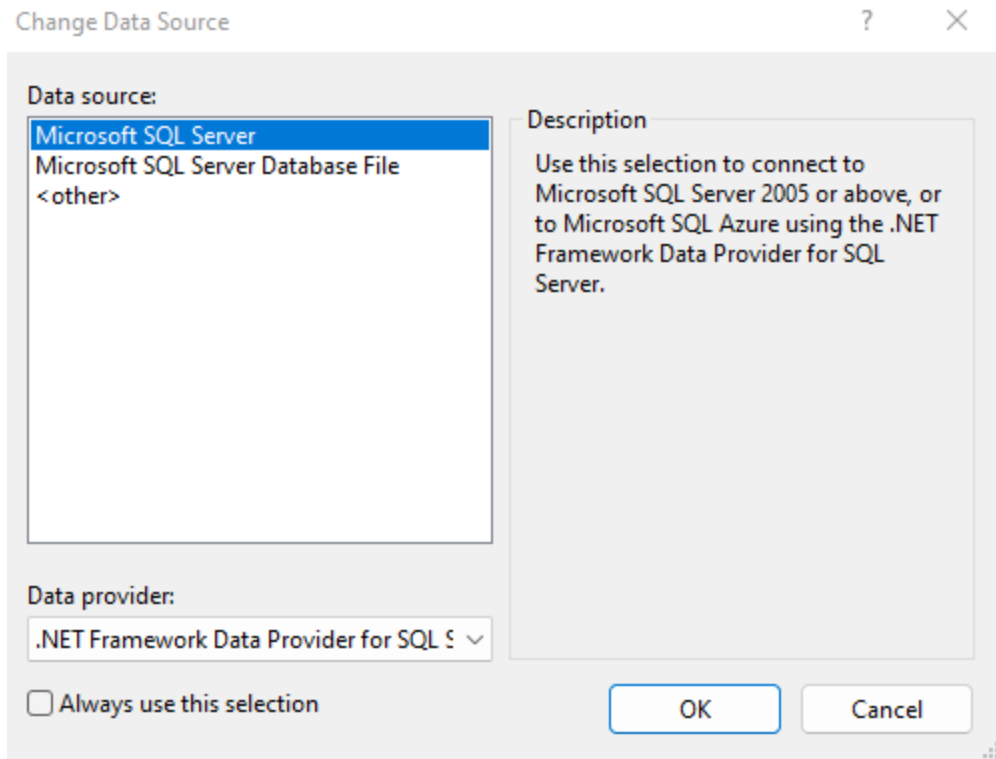
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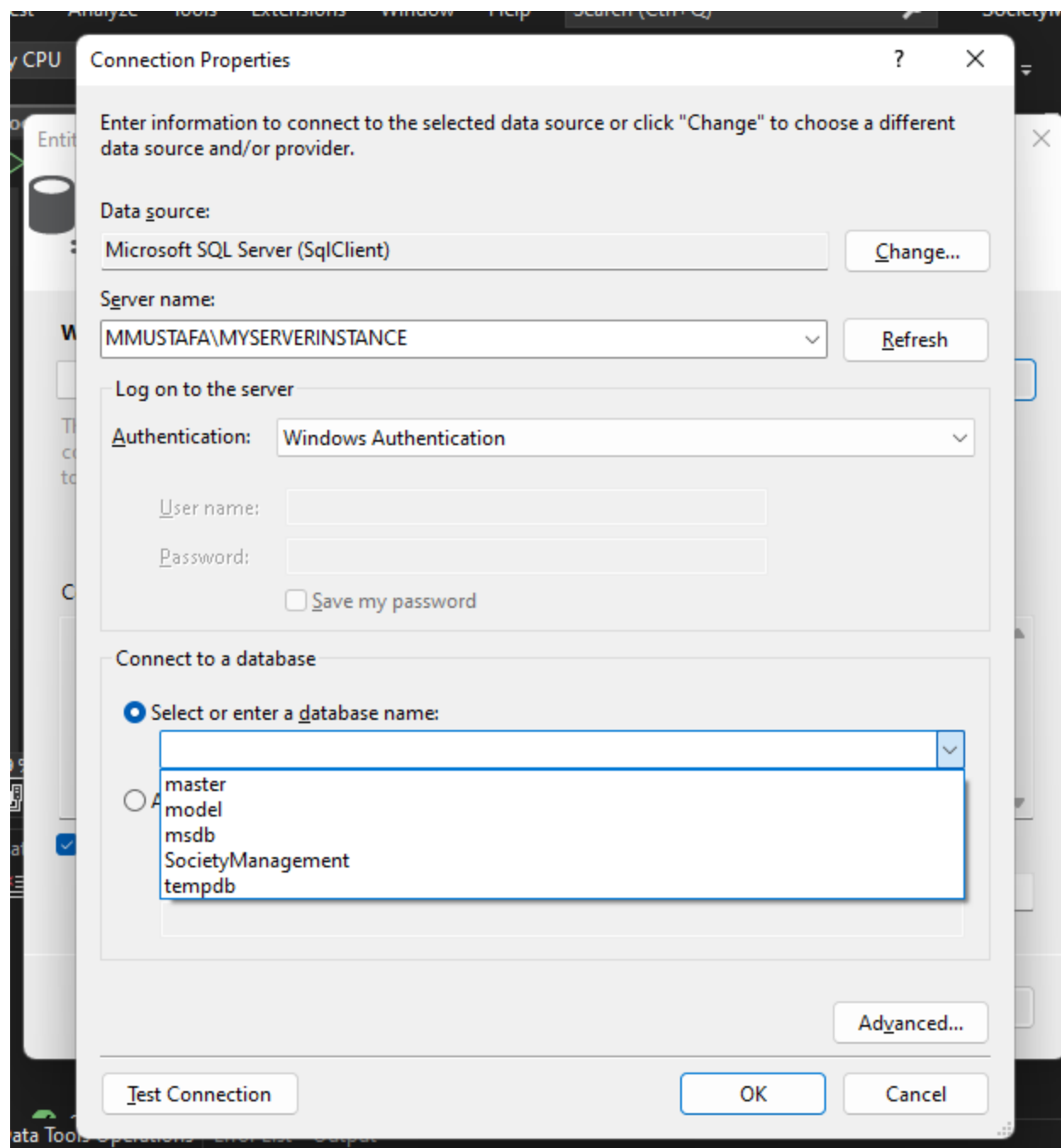
Cancel

- b.
20. Select Microsoft SQL Server. Press OK



a.

21. Enter Server Name same as in SQL Server Management Studio. Click on Drop down of "Select or enter a database name". Click on SocietyManagement. Press OK.



a.

22. On consecutive Nexts, this window will appear. Check mark on Tables, Remove check from Pluralize option and press Finish



## Choose Your Database Objects and Settings

**Which database objects do you want to include in your model?**

- ☒ Tables
- ☐ Views
- ☐ Stored Procedures and Functions

- ☐ Pluralize or singularize generated object names
- ☒ Include foreign key columns in the model
- ☐ Import selected stored procedures and functions into the entity model

**Model Namespace:**

&lt; Previous

Next &gt;

Finish

Cancel

a.

23. Follow this documentation for CRUD operations.

<https://learn.microsoft.com/en-us/aspnet/mvc/overview/older-versions-1/models-data/creating-model-classes-with-the-entity-framework-cs>