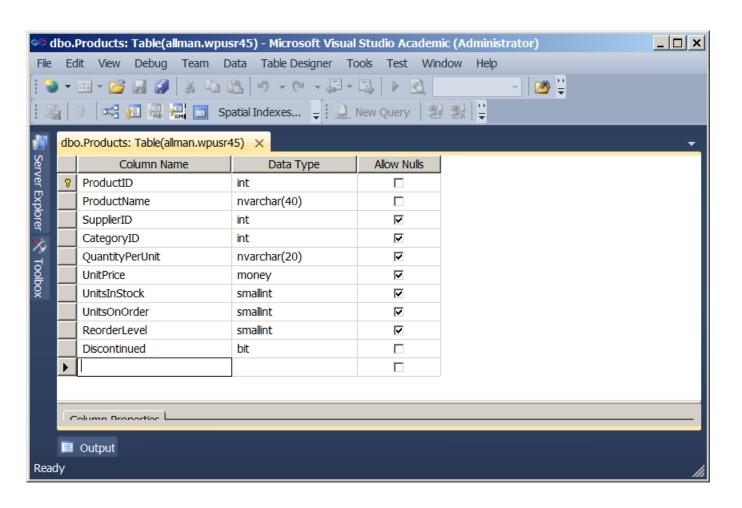


Project 7: Entity Framework

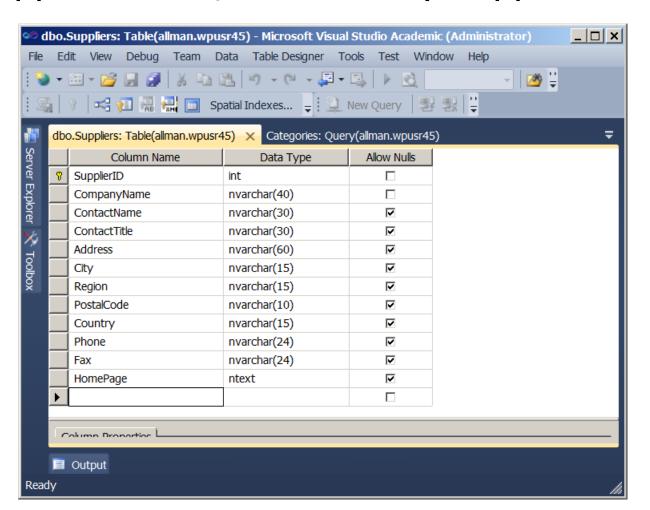
Products Table

All products sold by Northwind Traders are in the Products table.

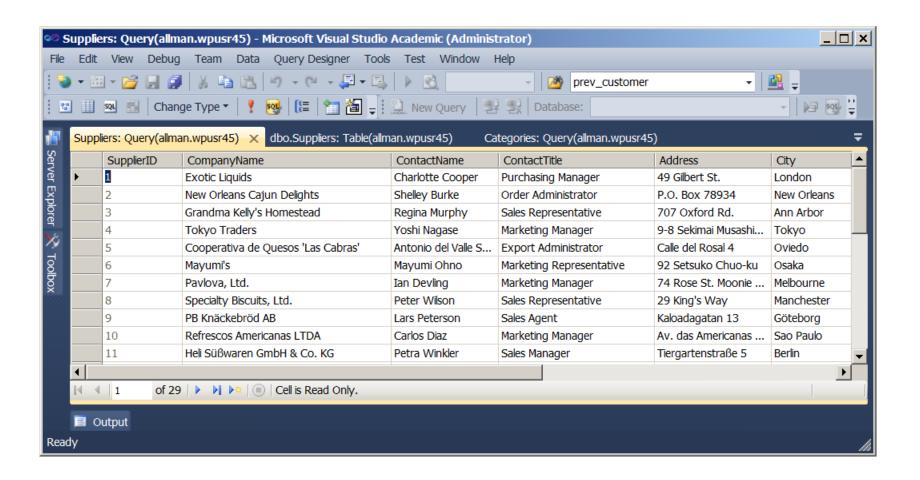


Suppliers

Each product has a single supplier in the Suppliers table, identified by SupplierID.

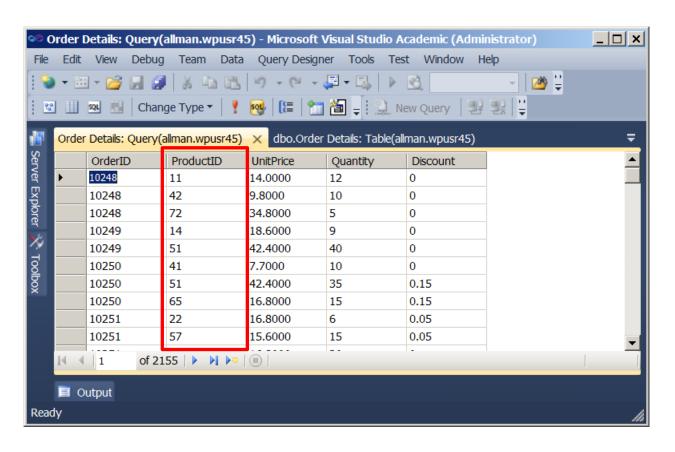


Suppliers

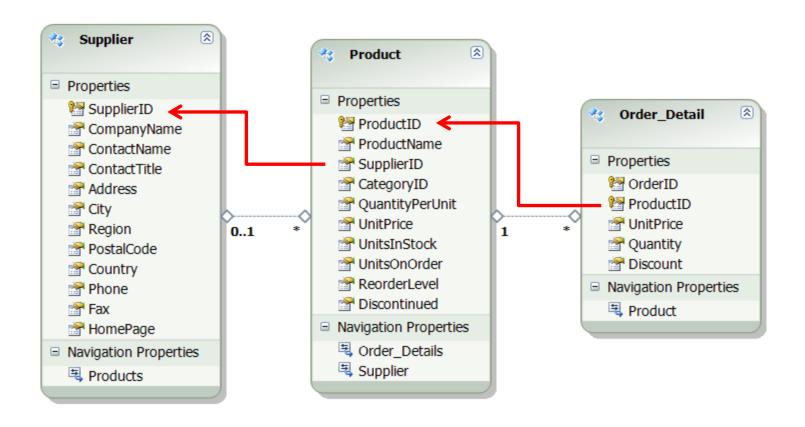


Orders

- We have already seen that each Order has a collection of Order Details.
- Each Order Detail includes a ProductID.



Associations





Assignment

 Write a web application that permits users to determine the total value of all order items for a specified supplier.

Requirements

- User the Entity Framework to define classes.
- Use Ling to perform database queries.

- Query parameters are not applicable to Linq.
- Do not use stored procedures.

User Interface

 Provide a dropdown list with all suppliers' company names.

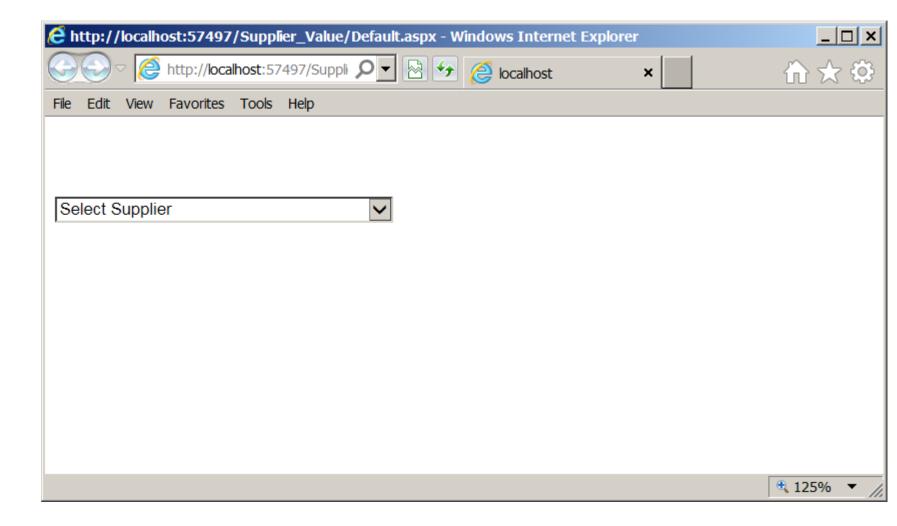
- When the user selects an item from the list, display the number of order items for products supplied by that supplier, and their total value.
 - (UnitPrice * Quantity) * (1.00 Discount)
 - Refer to Project 6 assignment for details.

User Interface

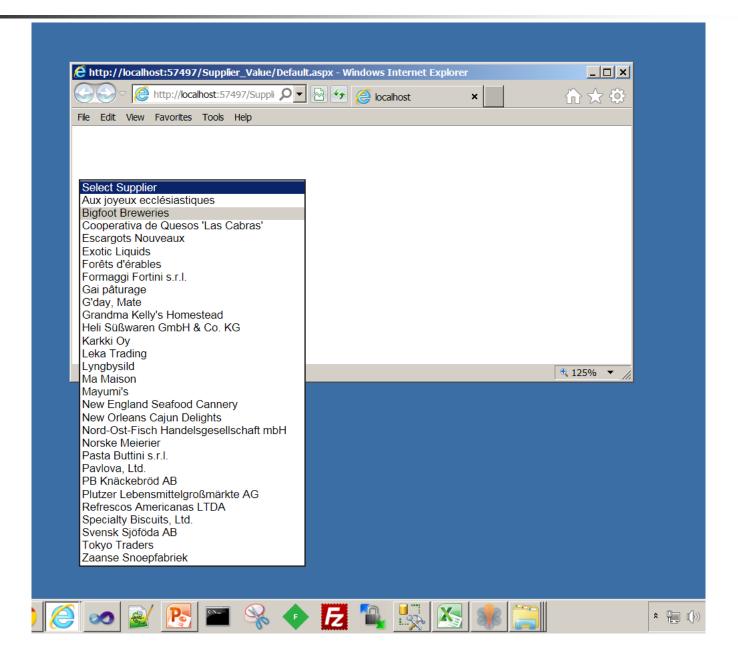
- Format the total value as currency, with two decimal places.
 - Dollars and cents.

total_value.ToString("C2")

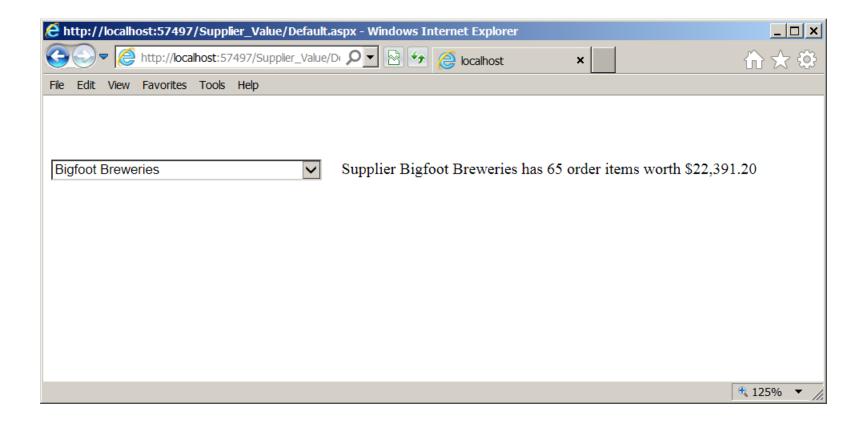
Example



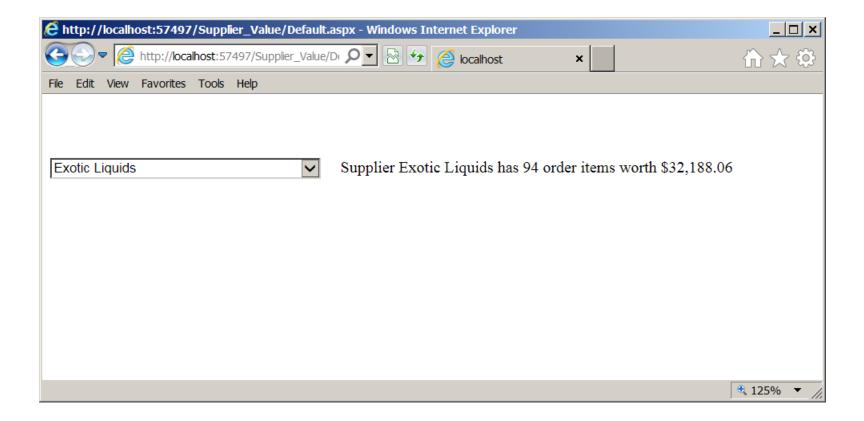
User selects a supplier



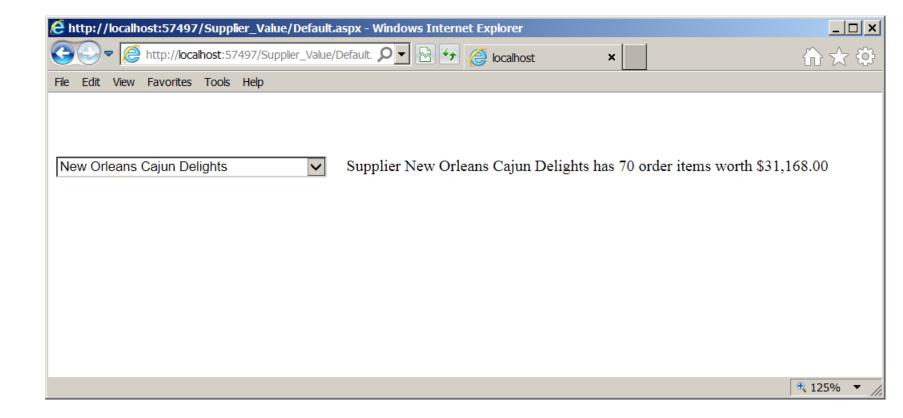
App displays query result



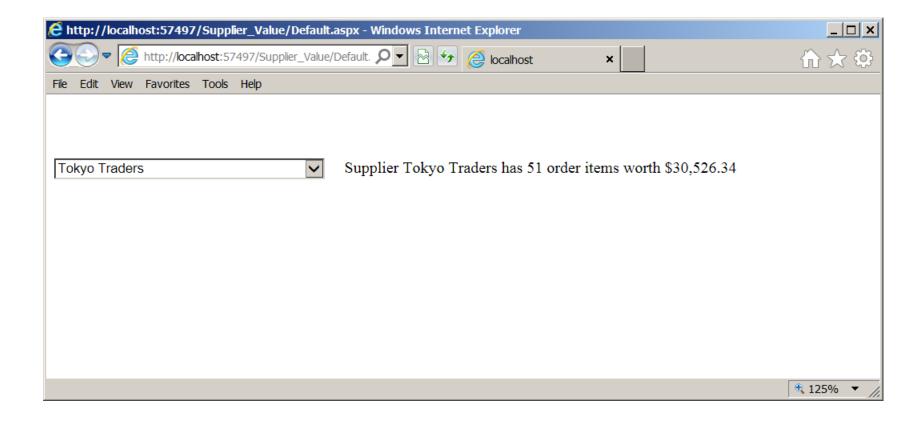
More Examples

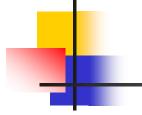


More Examples



More Examples





Implementation Tips

 Build on what you have seen and done previously.

- Work in tiny steps.
 - Start with a stub.
 - Get each small step working before adding more code.

Compare your final results to examples in this presentation.



Deployment

 We cannot deploy this project to scorpius, because scorpius does not have Version 4 of the Dot Net Framework.

Ground Rules

- You may work with one or two other students.
 - OK to work alone if you prefer.
- If you do collaborate
 - All group members are expected to contribute.
 - Only one group member should submit the website files in Canvas.
 - Include a comment with the names of all group members.
 - Other group members submit just a comment with the names of all group members.

Submission

- Submit your web site folder via Canvas Assignments.
- Zip your web site folder using the Windows "Send to Compressed Folder" command.
- Submit the .zip file
 - Do not submit any other form of compressed file.

Ground Rules



- Before or after submitting the project.
- OK to discuss the project.
- OK to look at others' web sites with a browser.
- Do not copy any other student's code.
 - Or even look at it.
- Do not let anyone copy or examine your code.

Ground Rules

Except for code posted on the class web site

- Do not copy code from the Internet
 - or any other source.

Write your own code.

Due Date

- Project is due by 11:59 PM, Sunday, Nov. 16.
 - Project submitted after the deadline will be subject to a penalty of 10 points per hour.

End of Presentation 23