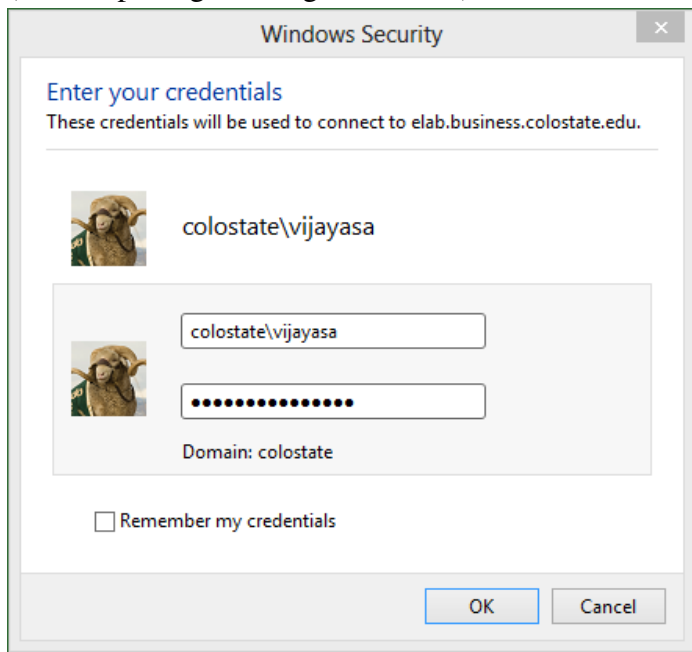
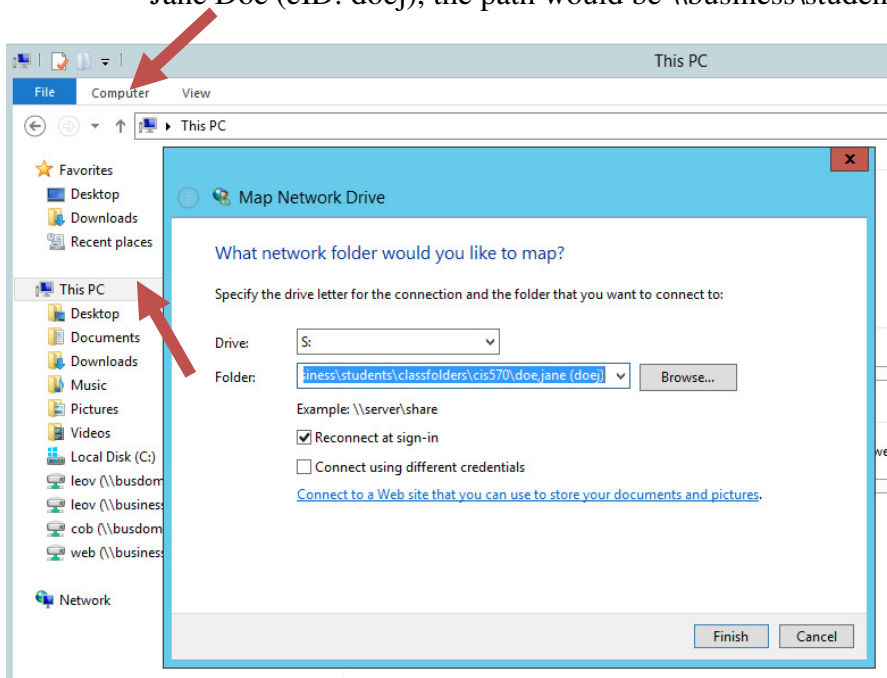


## Hands-on-Exercise for Data Mart - Part 2

- Log on to elab (instructions are on Canvas: Modules → Course Information) using your eID credentials (see sample login dialog box below).



- Open File Explorer.
- Check if a Network location to \\business\students\classfolders\CIS570\ is already mapped. If it is, skip to the next section. If it is not, map the location with the following steps:
  - Click on “This PC” on the left-side of the window.
  - Select Computer → Map network drive → Map network drive from the menu.
  - In the Map Network Drive dialog box, choose S: for Drive and type the following path in the Folder textbox: \\business\students\classfolders\cis570\lastname,firstname (eID). Example - For student, Jane Doe (eID: doej), the path would be \\business\students\classfolders\cis570\doe,jane (doej).



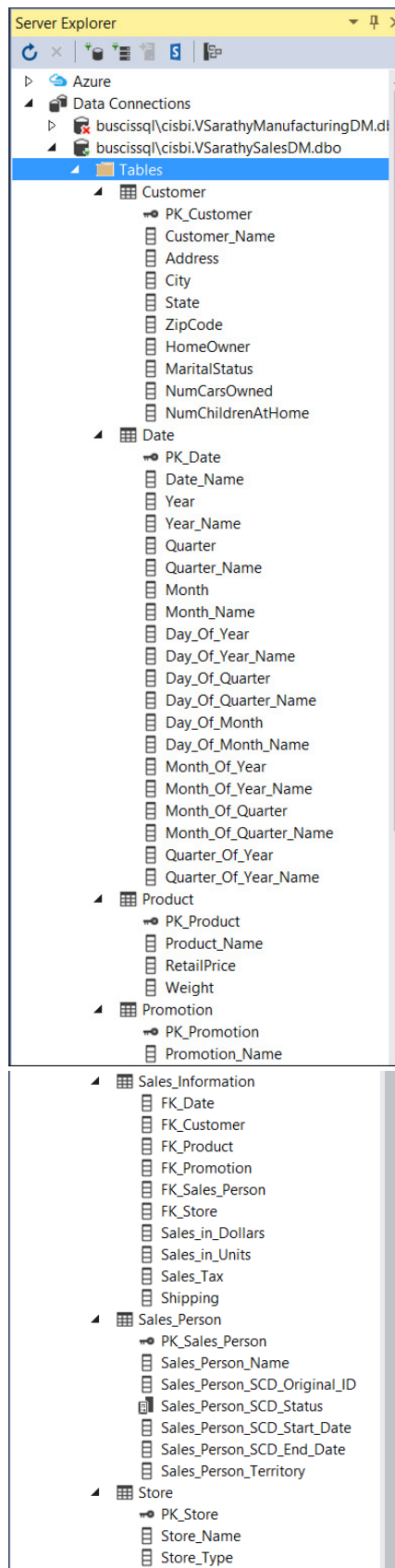
- Check “Reconnect at sign-in” and click Finish.

## Learn by Doing – Creating the Maximum Miniatures Sales Data Mart Using SQL Server Data Tools (Larson – Chapter 6, Pages 116-128)

- **Ignore Steps 1-3.**
- Start Visual Studio 2017 (**Note:** You will be using Visual Studio 2017 (VS2017) instead of SQL Server Data Tools for this exercise. The two products are similar and the functionalities of SQL Server Data Tools have been incorporated into VS 2017).
- Complete steps 4-6 (**Save your project in your class folder for CIS 570 (i.e., “S: drive”)**)
- Complete steps 7-45.
- **For step 46 – enter buscissql\cisbi for server name:**
- Complete step 47.
- **For step 48 – Select you database (e.g., if your last name is Smith, your database will be called SmithSalesDM) from the Select or Enter the Database Name drop-down list.**
- Complete steps 49-50.
- **For step 51 – enter your eID (e.g., if your eID is smithj, enter colostate\smithj) in the User name text box and your eID password in the Password text box).**
- Complete steps 52-58. You now have a Sales data mart along with an Analysis Services cube built on that data mart. Your screen should look similar to Figure 6-35 (Larson book). If you wish, you can close your MaxMinSalesDM project (File → Close Solution).
- **Ignore steps 59-61.**
- Beyond the basic tables created for us in the Sales data mart, we need to add some fields to hold additional information coming from our data sources. We will add these fields directly to the tables in the data mart.
- In VS2017, click View → Server Explorer.
- The Server Explorer window will display either on the left or right edge of your screen.
- Right-click on Data Connections and Choose Add Connection from the context menu.
- Select “Microsoft SQL Server” in Choose Data Source window → click Continue (Note: This window will appear the first time you create a new data connection. After that, you may not see this window).
- In the Add Connection window, a) type **buscissql\cisbi** for Server name; b) from the Select or enter a database name drop-down choose **your database** (e.g., if your last name is Smith, your database will be called SmithSalesDM), and c) click OK. You should see your database displayed under Data Connections in the Server Explorer window.
- In the Server Explorer window, expand your database connection. Expand the Tables folder.
- **For step 62 – in the context menu select Open Table Definition (instead of Design).**
- Complete step 63.
- Ignore step 64. Instead, click the Update button on the top left of the Table Design Window. In the “Preview Database Updates” dialog box, click “Update Database”. Confirm that the update was completed successfully in the Data Tool Operations window. Close the Data Tool Operations window (click the X). Click the Close button (the X on the dbo.Customer [Design] tab).
- **For step 65 – in the context menu select Open Table Definition (instead of Design).**
- Complete step 66.
- Ignore step 67. Instead, click the Update button on the top left of the Table Design Window. In the “Preview Database Updates” dialog box, click “Update Database”. Confirm that the update was

completed successfully in the Data Tool Operations window. Close the Data Tool Operations window (click the X). Click the Close button (the X on the dbo.Product [Design] tab).

- **For step 68 – in the context menu select Open Table Definition (instead of Design).**
- Complete steps 69.
- Ignore step 70. Instead, click the Update button on the top left of the Table Design Window. In the “Preview Database Updates” dialog box, click “Update Database”. Confirm that the update was completed successfully in the Data Tool Operations window. Close the Data Tool Operations window (click the X). Click the Close button (the X on the dbo.Sales\_Person [Design] tab).
- **For step 71 – in the context menu select Open Table Definition (instead of Design)**
- Complete steps 72.
- Ignore step 73. Instead, click the Update button on the top left of the Table Design Window. In the “Preview Database Updates” dialog box, click “Update Database”. Confirm that the update was completed successfully in the Data Tool Operations window. Close the Data Tool Operations window (click the X). Click the Close button (the X on the dbo.Store [Design] tab).
- Your Server Explorer window should resemble the figure below (make sure that you have refreshed the Tables folder, and expanded each of the tables).



You can close VS2017 by selecting File → Exit from the main menu.