

## Lab 1 – Get connected

### Deliverable

Word or PDF File containing screenshots of your work.

### Set up

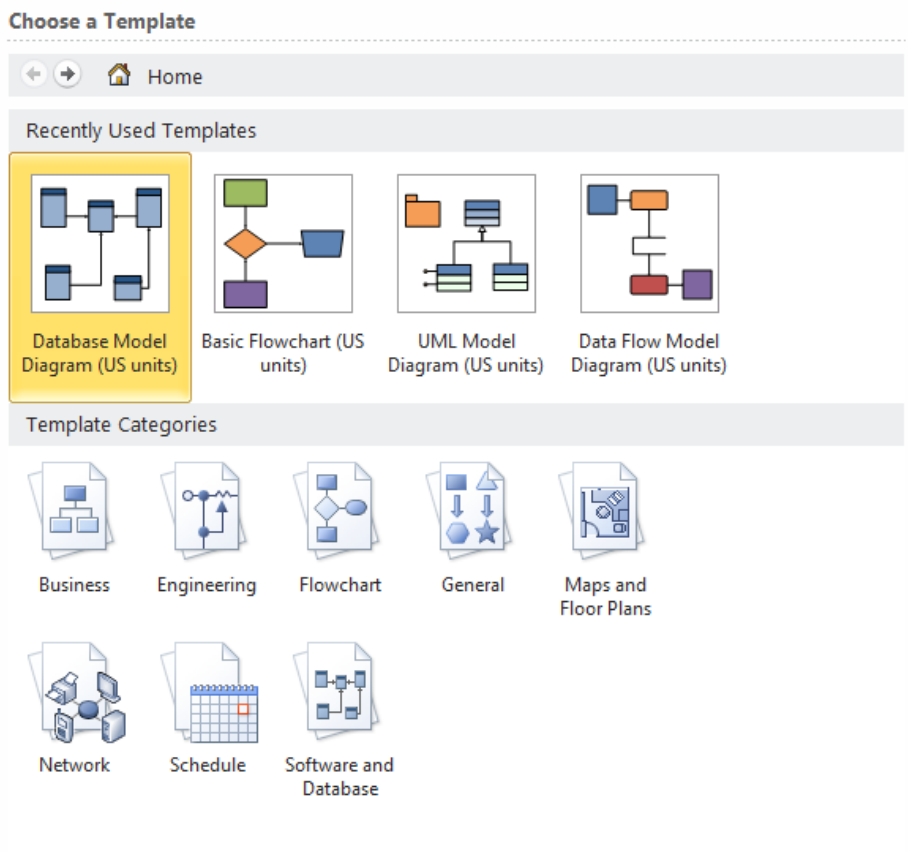
In this lab, you will connect to the iSchool Remote Lab and create a basic diagram

### Steps

Log into the iSchool website ([ischool.syr.edu](http://ischool.syr.edu)) and connect to the remote lab (see lecture videos for how to do this).

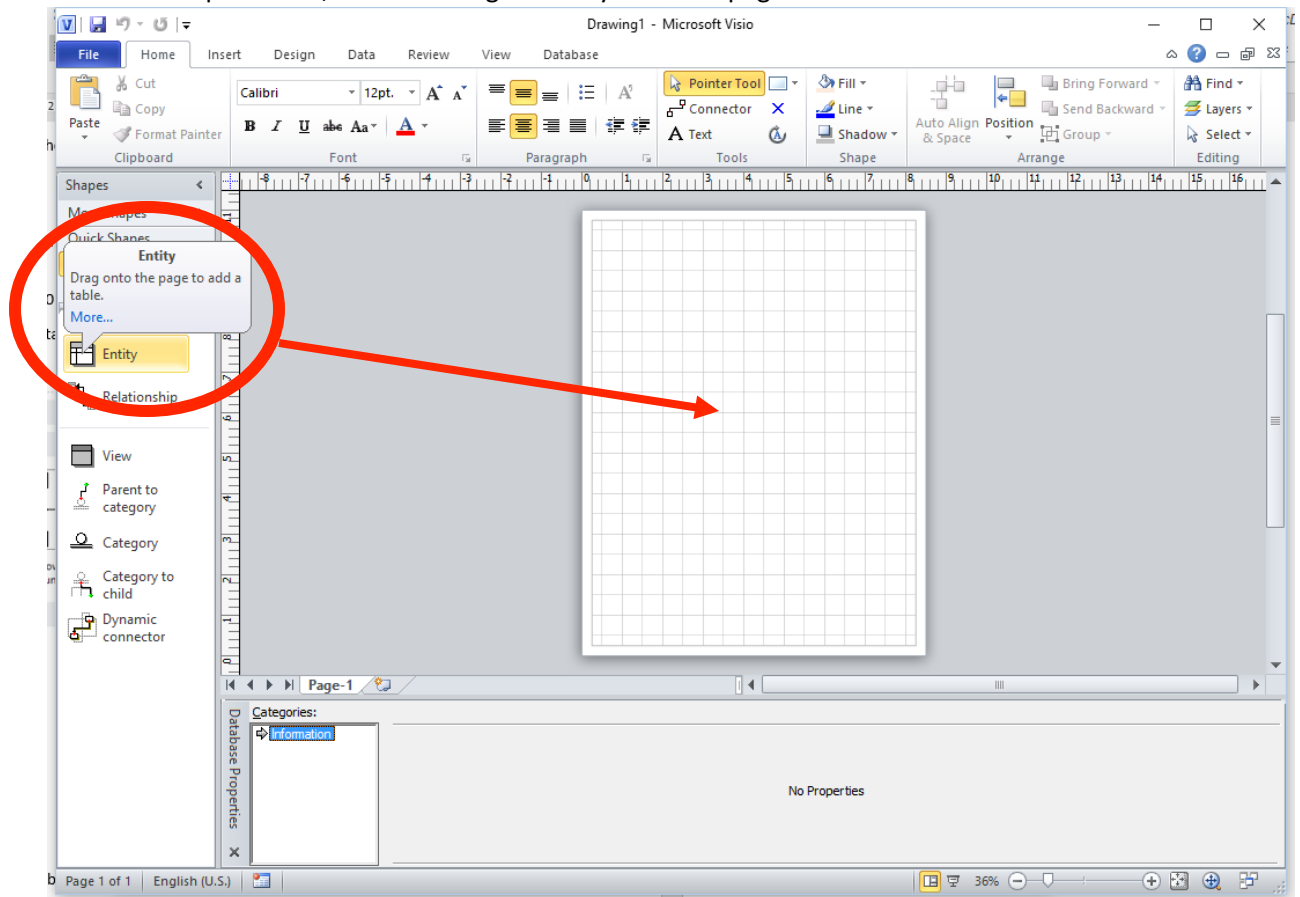
Once in, open Microsoft Visio 2010 (ensure you're using version 2010) and follow these steps:

1. In the first screen, if Database Model Diagram is not available in Recently Used Templates, click Software and Database

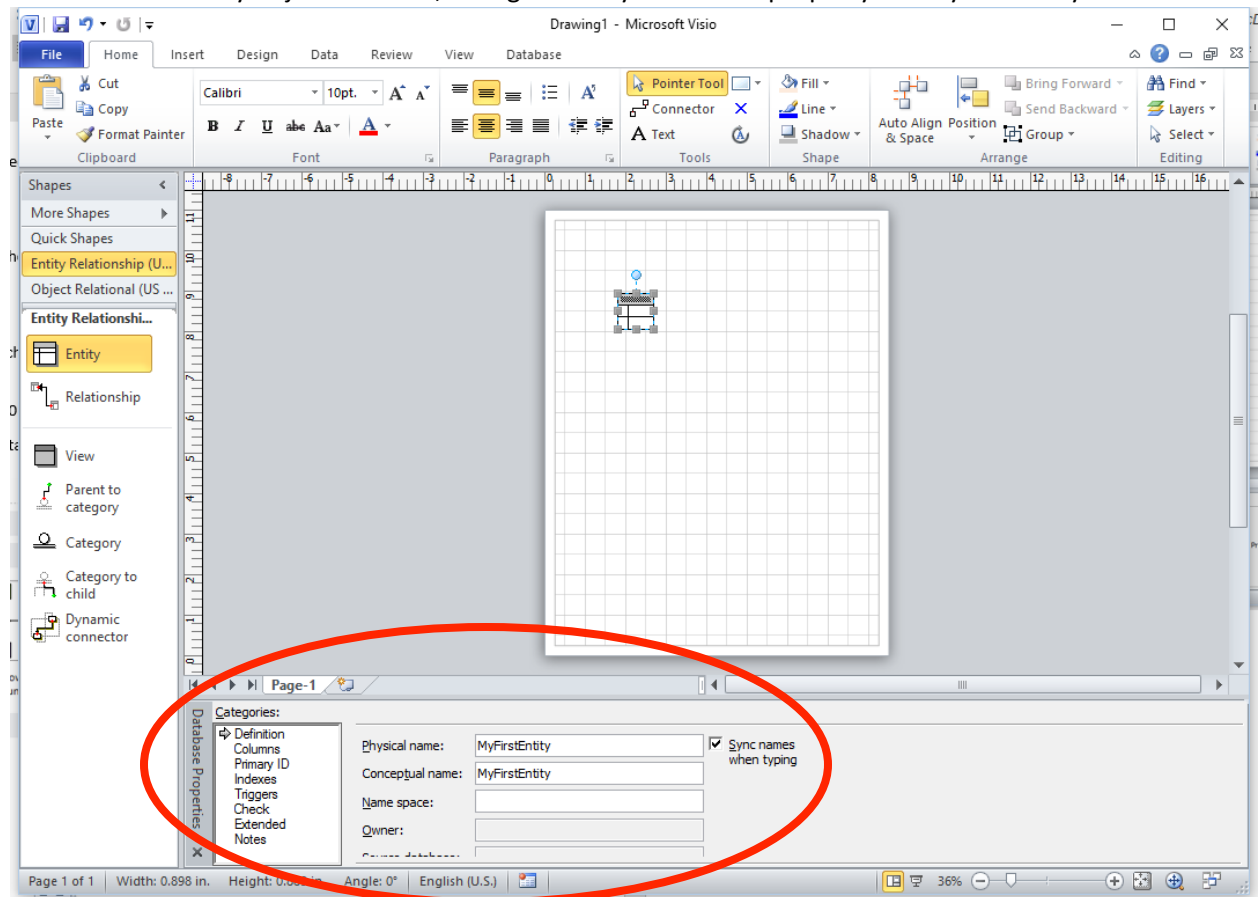


2. Then, double-click Database Model Diagram to create a new document.

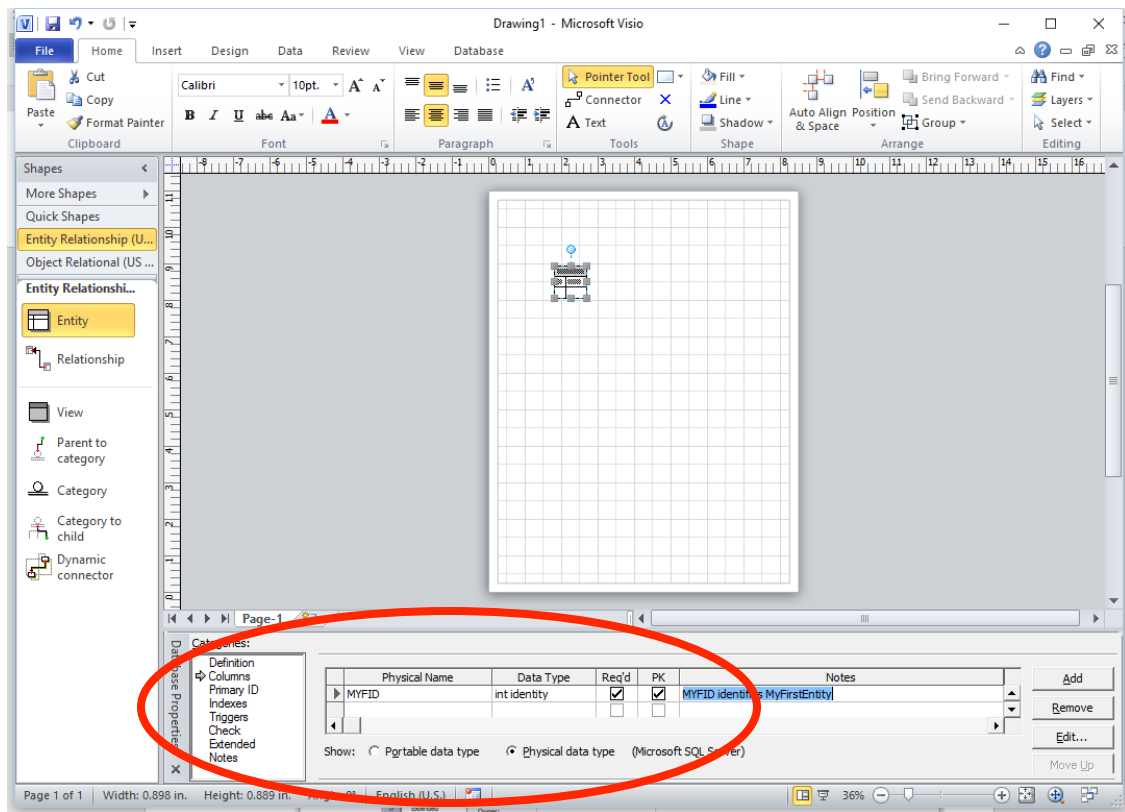
3. From the Shapes menu, click and drag an Entity onto the page.



4. With the new Entity object selected, change the Physical Name property to “MyFirstEntity”

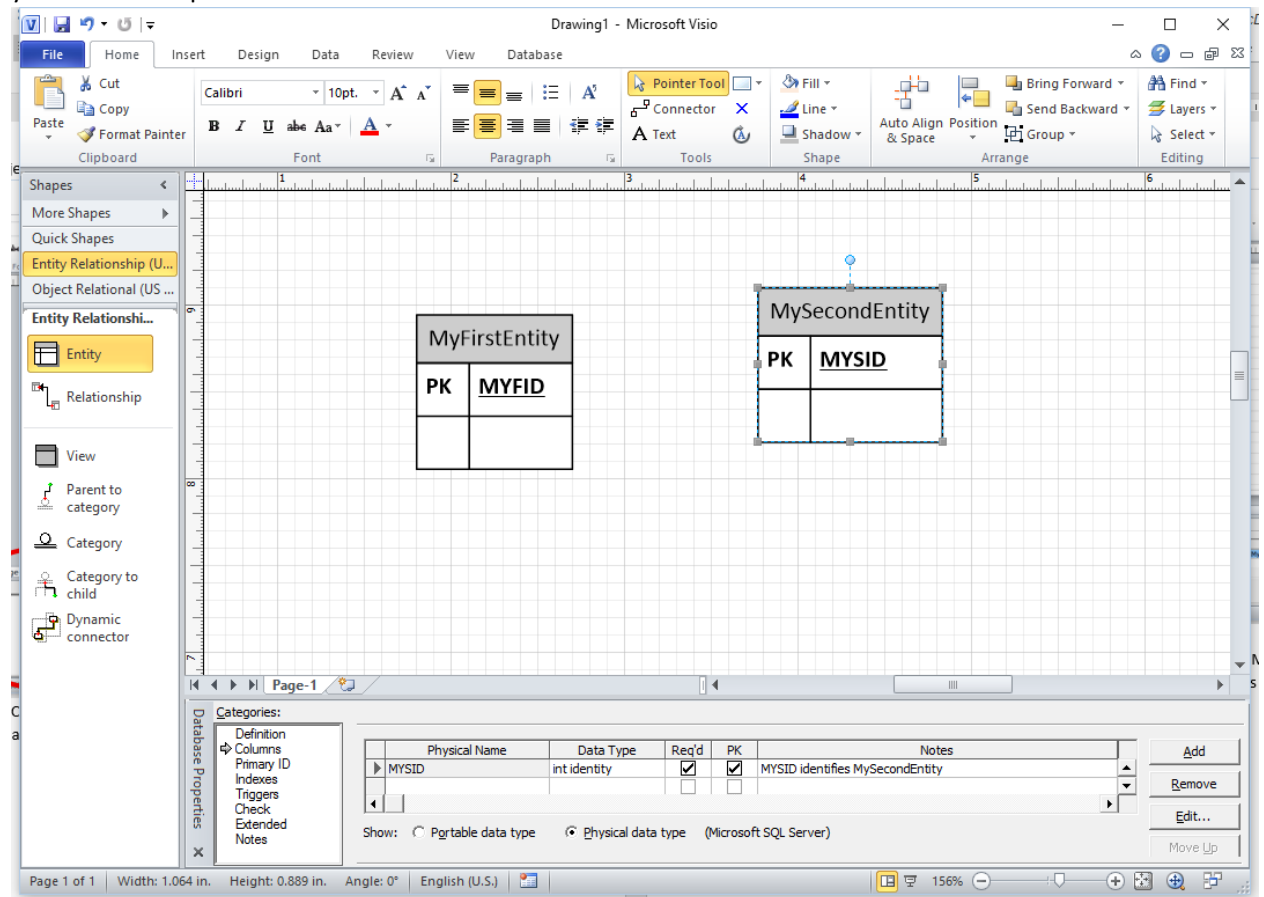


5. Under Categories, click Columns. In the first row of the Columns listing, add a column by typing MYFID in the Physical Name column, int identity in the Data Type column, and check the Req'd and PK boxes.

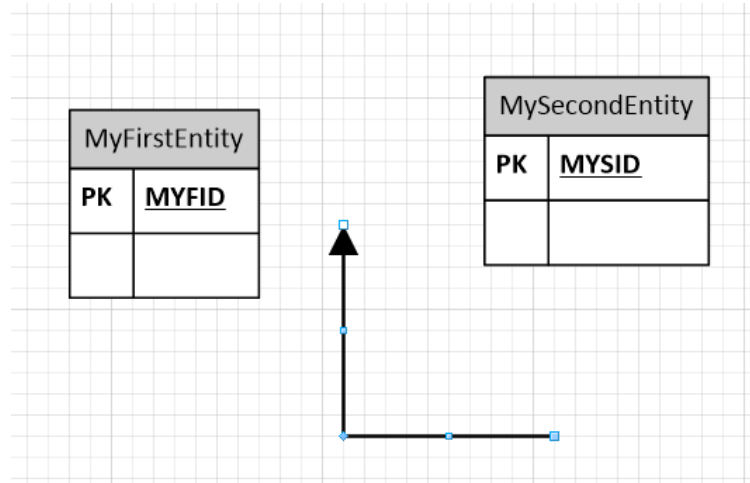


- Perform steps 3 through 6 again creating a second entity called MySecondEntity, adding a column with a Physical Name of MYSID (all other options for this column should be the same as

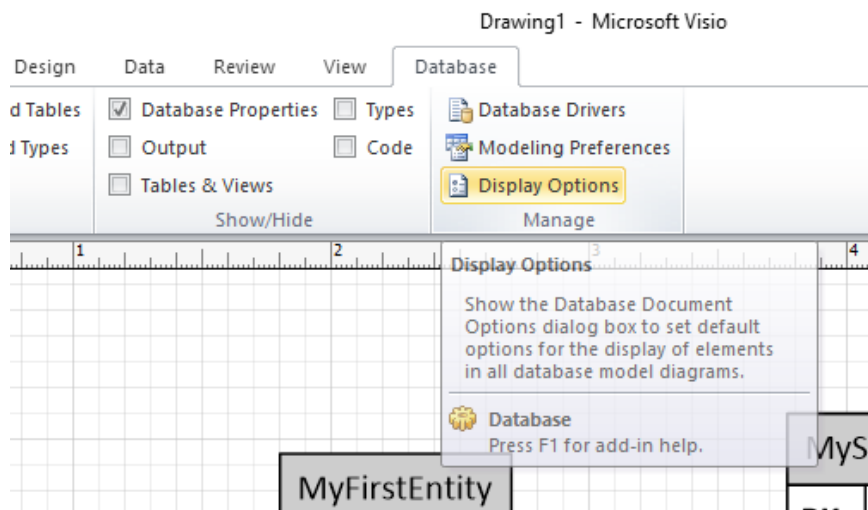
you used in step 5.



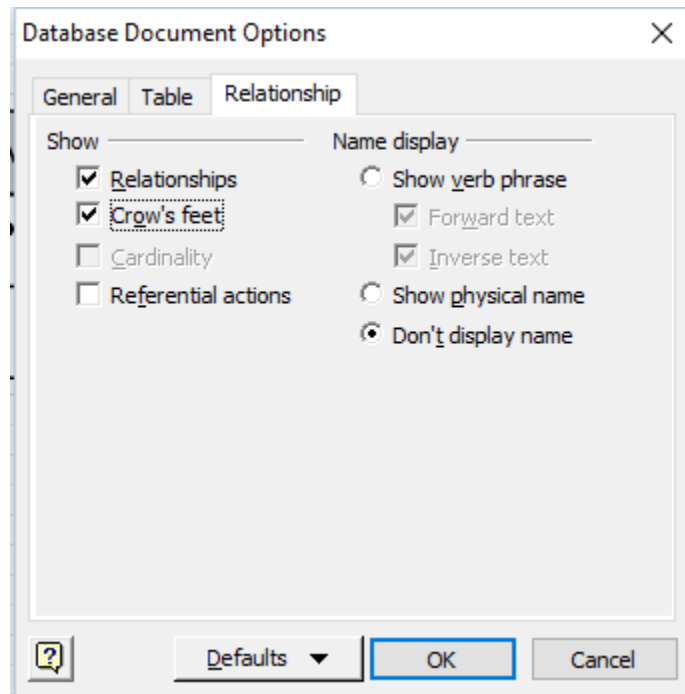
7. From the Shapes menu, click and drag a relationship onto the page (not connected to anything)



8. Click the Database ribbon at the top of the screen and click Display Options.

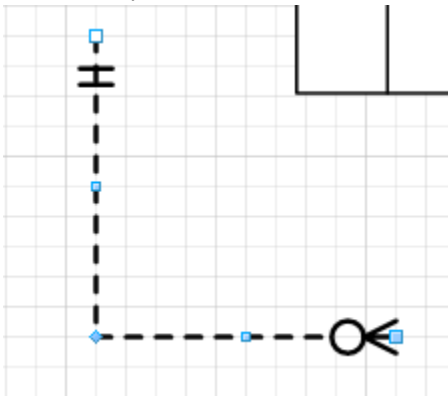


9. On the Relationships tab of the Database Document Options dialog box, check Crow's Feet and click OK.

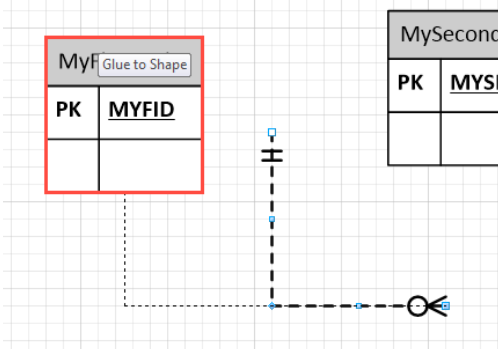


10. The relationship will change in appearance from an arrow to Crow's Foot notation (we'll cover this later). Click the relationship to select it. Blue/white boxes will appear at the ends of the

relationship.

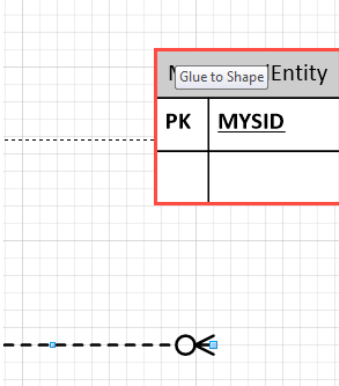


11. Click and drag the box at the end with the || (the one side) and drag it over top of MyFirstEntity until the entity outline turns Red and let go of the mouse button. This will Glue the relationship to the sape.



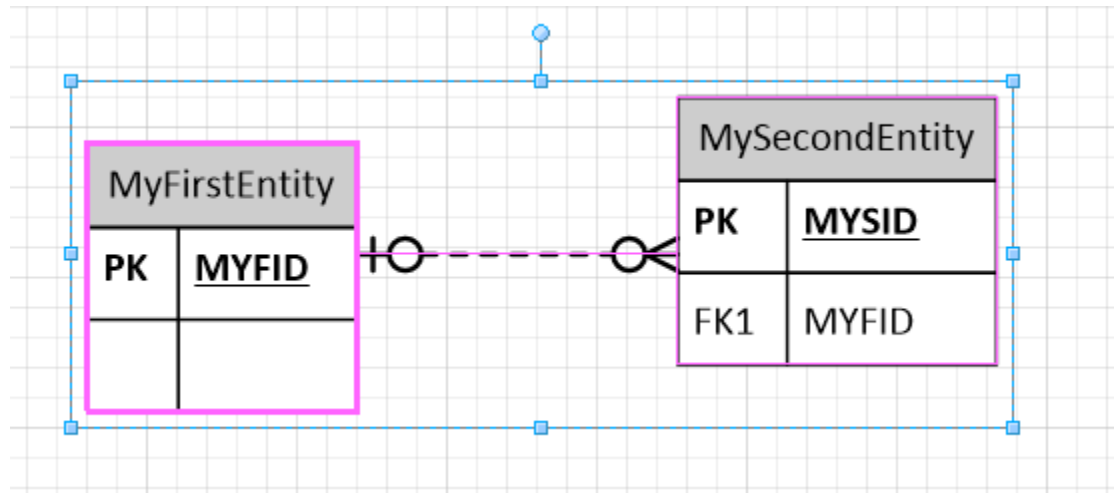
Try clicking and dragging the entity shape around and see how the relationship moves with the shape.

12. Repeat steps 10 and 11 for the other end of the relationship, gluing it to MySecondEntity.



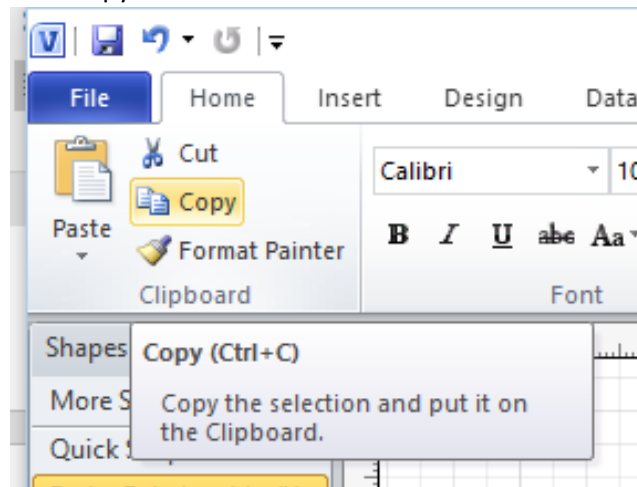
13. Notice that the software added a Foreign Key to MySecondEntity with the same as the Column we added to MyFirstEntity. We will cover what this means later.
14. Highlight all 3 objects (MyFirstEntity, MySecondEntity, and the relationship between them) in one of the following ways:
  - a. Holding the Ctrl key on the keyboard, press A on the keyboard. Ctrl-A is a way to “select all”
  - b. Drag a box around all of the objects on the page.

- c. Hold the Ctrl key on the keyboard and click each object in turn until all 3 objects are selected.



15. Copy these objects to the clipboard in one of these ways:

- a. Press Ctrl-C on the keyboard
- b. Click Copy on the Home ribbon



16. Open Microsoft Word and, in a blank Word document, click Paste. Put your name at the top of the document and save and submit this document.