

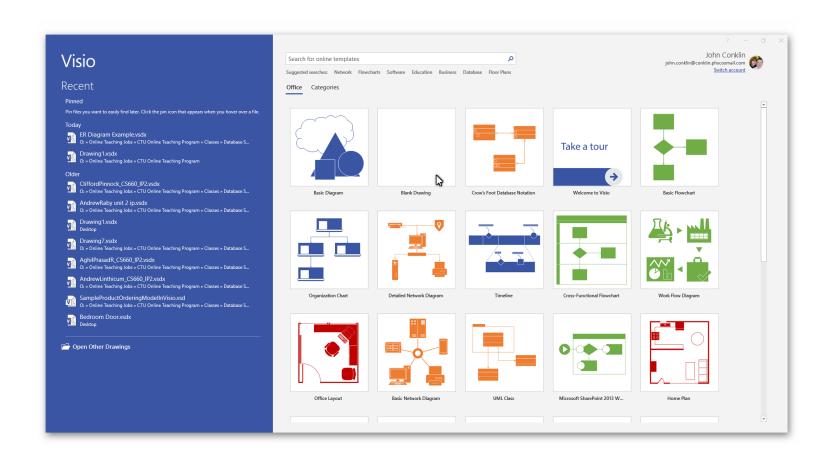
Colorado Technical University

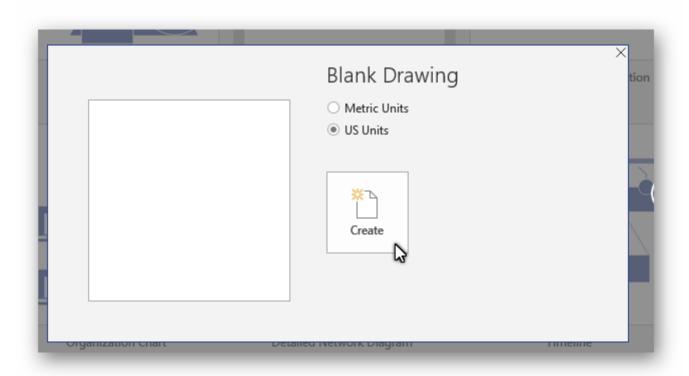
CS 660 – Database Systems

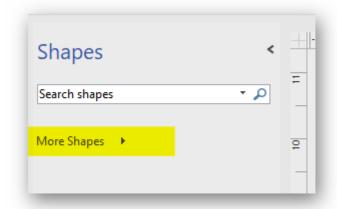
Colorado Technical University Instructor: Dr. John Conklin Visio ER Diagram Creation

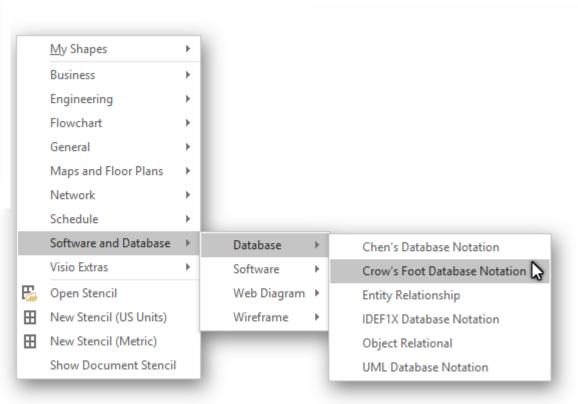
Start Visio

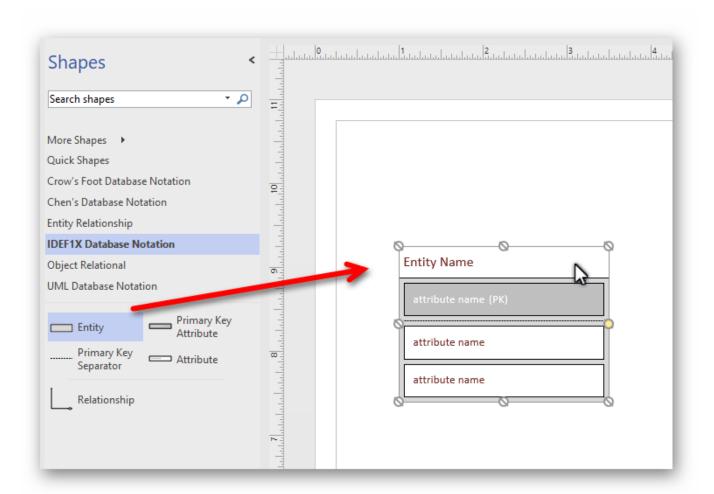
If you have an icon on your desktop click on that.



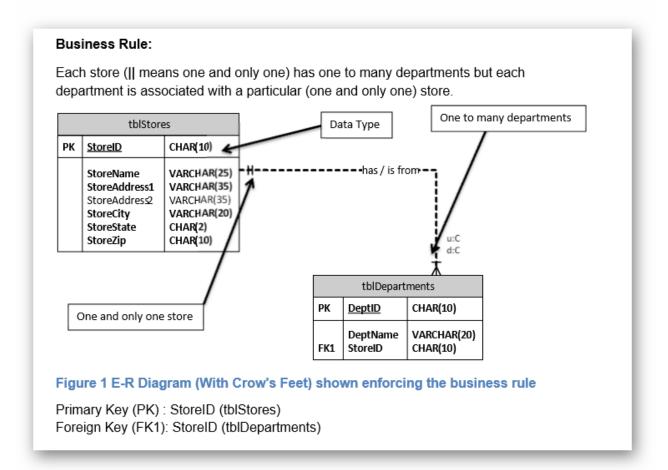








Example

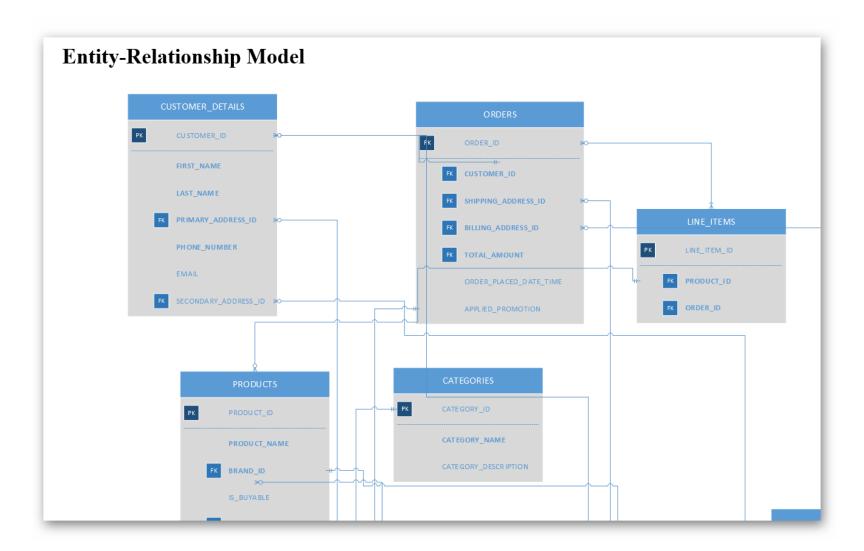


Entity Table Representation

▲ 2.2. Entitles, Attributes, Relationships & Cardinality Constraints

Entities	Attributes	Relationships	Cardinality
(Tables)	(Rows)		Constraints
Customers	CustomerID (PK) (Char10)	Has Membership	1:1
	Customer Name (Varchar50)		
	LocationID (Char10)	Has a Location	One Location may have multiple customers
	MembershipID (Char10)	Directly associated to Unique Customer	1:1
	Contact eMail (VarChar200)		
	Contact Phone (Int10)		
Store	StoreID (Char10)	Can Sponsor Events Can Create Orders	1:Many 1:Many
		Has a Location Has Employees	1:1 1:Many
	Store Name (Varchar50)		
	LocationID (Char10)	Has a Location	1:1
	OpenTimes (Varchar500)		
Employee	EmployeeID (Char10)	Associated to a Store Can Create Orders	1:1 1:Many
	Employee Type (Varchar25)		
	Employee Name (Varchar50)		
	LocationID (Char10)	Has a Location	One Location may have multiple Employees
	StoreID (Char10)	Is associated to a Store	1:1
	PayRate (Decimal 8,2)		
	Pay Frequency (Varchar20)		
	1 1 10 (01 10)	·	

ER Diagram Example



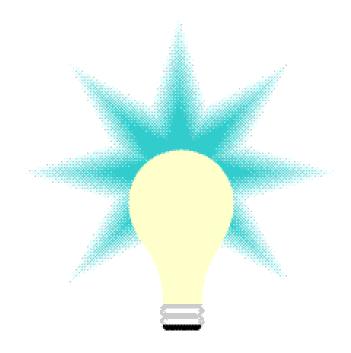
Example

Now lets open Visio and show a live demo of how to create a diagram.



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Questions / Comments



(Ideas/Think Web Graphics, 2019).

Contact Information

- My e-mail address- JConklin@coloradotech.edu
- Office Hours Wednesday 6:00 P.M. 7:00 P.M. CST
 Saturday 11:00 A.M. 12:00 P.M. CST
- Live Chats Thursday 7:00 P.M. 8:00 P.M. CST
- * Please note that only one live chat session per week is required for this course. However, optional live chat sessions may be held sporadically throughout the course.