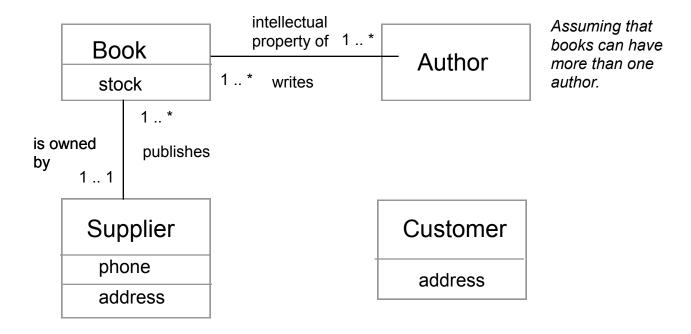
Kelly Garrett INF 385T: Data Wrangling Feb. 1, 2017

# ER Diagram for Bookstore

## ER Diagram for Bookstore

#### **ER Diagram**



A single book is the intellectural property of between one and many authors. A single author writes between one and many books. A single book is owned by a single supplier. A single supplier publishes between one and many books. Customer is not connected with book/supplier yet.

### **Relational Vocabulary**

Book has\_and\_belongs\_to\_many Author
Author has\_and\_belongs\_to\_many Book
Supplier has\_many Book
Book belongs\_to Supplier

#### **Relational Tables**

suppliers					
ıd	name	phone	address		
20	Simon & Schuster	800-162-3458	124 Sandcastle Lh		
30	HarperCollins	800-245-0956	489 Chisnoim Tri		
40	Penguin	800-784-9968	1289 Iopaz St		

autnors		
Ia	name	
50	John Green	
60	David Levitnan	
70	George Orwell	

customers				
Id	name	address		
80	Jennifer Hernandez	786 Sunshine Rd		
90	Justin wong	8764 E. EIM St		

books				
ıd	name	stock	supplier_id	
100	Will Grayson, Will Grayson	40	20	
110	1984	99	40	
120	Animai Farm	15	30	

authors_books		
author_id	book_id	
50	100	
60	100	
70	110	
70	120	

**Brainstorming some concrete instances:** *Will Grayson, Will Grayson* is a book written by John Green and David Levithan. Both *1984* and *Aminal Farm* were written by the same author George Orwell. Publishers for these books include Simon & Schuster, HarperCollins, and Penguin.

Two book store customers bought these books: Jennifer Hernandez and Justin Wong.