

29 October 2020
Lab 4

Part 1

Case Study 2

OrderItem (Order Num, Line, Item Number, Description, Qty Ordered, Price Each)

Would turn into:

OrderItem (Order Num, Line, Item Number, Qty Ordered)

Item (Item Number, Description, Price Each)

Case Study 2

1.

Publisher					
PublisherID	PublisherName	Click to Add			
1	Pearson				
BookID	BookTitle	Authors	PublishedYe	Click to Add	
2	Modern Database Management	Hoffer, Kamesh, Topi	2015		
3	Data Structures and Algorithm Analysis in C++	Weiss	2014		
*	(New)		0		
2	Addison Wesley				
BookID	BookTitle	Authors	PublishedYe	Click to Add	
1	Languages and Machines	Sudkamp	1997		
*	(New)		0		
*	(New)				

2. It is not in 3NF because it has multiple attributes in the "Author" field. You can go through the steps of making multiple entries for the same book, but just with a different author, but I think in the end you're just going to make a separate "Author" table with a surrogate key for Author Name, and then you can select multiple authors for each book.

Part 2

Video (VideoID, *User Name*)

User (*User Name*, *User Tier*)

VideoData (VideoID, Video Title, Stream Start, Video Duration, *Content Rating*)

Tier (*User Tier*, Min Tier Followers)

Rating (Content Rating, Rating Description)