

REQUIREMENTS

Lou's Request

We have been asked by Lou, owner of three local pizza shops, to set up a simple database he can use to run his business.

Lou's Goal

I want to track my customer's pizza orders to ensure my staff completes and delivers the best pizza. In doing so, I want to set up better tracking of my shop's sales.



Lou's Description

Customers order pizzas and either pick them up or have them delivered.

Several shops take orders for pizzas.

Lou tracks sales by store, date, time, and coupon.

Pizzas are either delivered or picked up at the store.

Store	Employee	Name	Street	Phone	Date	Discount	Order	Amount	Instructions
Main Street	Sawyer	Duffy	120 Magnolia	249-124-4223	2022-03-03		Medium Pizza,Extra Pepperoni,2 Liter Coke	17.99	
Main Street	Tedford	Bradley			2022-03-03		Small Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	20.89	
Main Street	Tedford	Raheem	121 Elm		2022-03-03		Smelt Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	46.48	
Main Street	Tedford	Wood			2022-03-03		Smelt Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	43.97	
Main Street	Washington	Dempsey	325 Box Wood	249-424-7238	2022-03-03	10	Medium Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	24.49	We are in the upstairs unit.
West Side	Sara	Brown	2945 Maple	249-424-4723	2022-03-03		Pan Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	25.89	
West Side	Sara	Galvin	345 Beech	249-124-4323	2022-03-03	15	Medium Pizza,Extra Pepperoni,2 Liter Coke	38.98	
West Side	Sara	McArthur			2022-03-03		Large Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	53.78	
West Side	Sara	Sullivan			2022-03-03		Small Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	30.78	
West Side	Saunders	Miller		249-124-4323	2022-03-03		Large Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	27.89	Knock hard, door bell is broken
West Side	Saunders	Salavaria	374 Oak	249-424-4323	2022-03-03		Pan Pizza,Delivery,Extra Pepperoni,2 Liter Diet Coke	25.89	

Lou's Spreadsheet

Organizing Requirements

I want to track my customer's pizza orders to ensure my staff completes and delivers the best pizza. In doing so, I want to set up better tracking of my shop's sales.


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				Date	Discount	Order	Amount	Instructions
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West Side	Sara	Galvin	2945 Maple	249-424-4723	2022-03-03	Small Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	20.89	
West Side	Sara	McArthur	345 Beech	249-124-4323	2022-03-03	Smelt Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	46.48	
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West Side	Sara	Miller			2022-03-03	Medium Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	24.49	We are in the upstairs unit.
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West Side	Sara			249-424-4323	2022-03-03	Medium Pizza, Extra Pepperoni, 2 Liter Diet Coke	38.98	
West Side	Sara				2022-03-03	Large Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	53.78	
West Side	Sara				2022-03-03	Small Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	30.78	
West Side	Sara				2022-03-03	Large Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	27.89	Knock hard, door bell is broken
West Side	Sara				2022-03-03	Pan Pizza, Delivery, Extra Pepperoni, 2 Liter Diet Coke	25.89	



When Designing a Database There are Many Details to Consider

So, we don't get overwhelmed, we'll take a top-down approach.

Regarding Lou's requirements, we'll keep it simple and simply organize them as a set of statements alongside the spreadsheet.

We then reference back to this as we build out the database step-by-step.

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Simple Requirements List

- Lou, “I want to track my customer’s pizza orders to ensure my staff completes and delivers the best pizza. In doing so, I want to set up better tracking of my shop’s sales.”
- Customers order pizzas and either pick them up or have them delivered.
- Several shops take orders for pizzas.
- Lou tracks sales by store, date, time, and coupon.
- Pizzas are either delivered or picked up at the store.