

Unnormalized	1st Normal Form	2nd Normal Form	3rd Normal Form	Jake Shay
Customer Record	Customer Record	Customer Record	Customer	CSCI 3287 HW1
Name	Customer ID	Customer ID	Customer ID	
Address 1	Name	Name	Name	
Address 2	Address 1	Address 1	Address 1	Table Name
City	Address 2	Address 2	Address 2	Primary Key
State	City	City	City	Foreign Key
ZIP	State	State	State	
Phone 1	ZIP	ZIP	ZIP	
Phone 2	Phone 1	Phone 1	Phone 1	
Referred By	Phone 2	Phone 2	Phone 2	
Customer Since	Referred By	Referred By	Referred By	
Notes	Customer Since	Customer Since	Customer Since	
Mowing	Notes	Notes	Notes	
Landscaping	Mowing	Mowing	Mowing	
Other	Landscaping	Landscaping	Landscaping	
Customer Invoice	Other	Other	Other	
Invoice Date	Customer Invoice	Customer Invoice	Invoice	
Customer Name	Customer Invoice ID	Customer Invoice ID	Customer Invoice ID	
Customer Address	Customer ID	Customer ID	Customer ID	
Customer City	Invoice Date	Service_Material ID	Service_Material ID	
Customer State	Service_Material Date	Invoice Date	Invoice Date	
Customer Zip	Service_Material	Service_Material	Service_Material	
Customer Phone	Charges	Service_Material ID	Service_Material ID	
Total Amount Now Due	Credits	Service_Material Date	Service_Material Date	
Amount Remitted		Service_Material	Service_Material	
Service_Material Date		Charges	Charges	
Service_Material		Credits	Credits	
Charges				
Credits				
Total Customer Charges				
Total Customer Credit				

Prior Balance				
Total New Charges				
Taxes				
Total Credits				
Total Amount Due				