James Gallmeister

HW1: Normalization of Data

September 26, 2018

Unnormalized Form	1st Normal Form	2nd Normal Form	3rd Normal Form
PRODUCT SALES REPORT	PRODUCT SALES REPORT	PRODUCT SALES REPORT	PRODUCT SALES REPORT
prod_num	prod_num	prod_num	prod_num
prod_desc	prod_desc	prod_desc	prod_desc
inv_num			
invoice_date	PRODUCT INVOICE	PRODUCT INVOICE	PRODUCT INVOICE
cust_id	inv_num	inv_num	inv_num
cust_name	prod_num	prod_num	prod_num
prod_qty	invoice_date		
prod_price	cust_id	CUSTOMERINVOICE	CUSTOMER
	cust_name	inv_num	cust_id
CUSTOMERINVOICE	prod_qty	invoice_date	cust_name
inv_num	prod_price	cust_id	cust_addr
invoice_date		cust_name	
cust_id	CUSTOMERINVOICE	cust_addr	CUSTOMERINVOICE
cust_name	inv_num	invoice_total_qty	inv_num
cust addr	invoice date	invoice total price	invoice date
prod num	cust id		cust_id
prod_desc	cust_name	INVOICE DETAIL	invoice_total_qty
std_price	cust addr	inv num	invoice total price
disc code	invoice_total_qty	prod num	
disc price	invoice total price	prod desc	INVOICE DETAIL
prod_qty		std_price	inv_num
prod_price	INVOICE DETAIL	disc code	prod num
invoice total qty	inv_num	disc price	disc code
invoice_total_price	prod num	prod gty	prod gty
	prod desc	prod price	prod price
CUSTOMER DATA ENTRY SCREEN	std price		
cust_id	disc_code	CUSTOMER DATA ENTRY SCREEN	DISCOUNT
sales terr	disc price	cust id	disc code
warehouse	prod_qty	sales terr	disc price
cust name	prod price	warehouse	
cust addr		cust name	PRODUCT
disc code	CUSTOMER DATA ENTRY SCREEN	cust addr	prod_num
credit lim	cust id	disc code	prod desc
delivery_instr	sales terr	credit lim	std price
	warehouse	delivery_instr	
	cust_name		CUSTOMER DATA ENTRY SCREEN
	cust addr		cust id
	disc_code		sales terr
	credit lim		warehouse
	delivery_instr		disc code
			credit lim
			delivery_instr