

# INVENTORY MANAGEMENT SYSTEM FOR HAKUNA MATATA ROOFING MATERIALS

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# Project Context

- ▣ Hakuna Matata Roofing Materials is a company that provides roofing materials like tiles and steel decks. They also offer construction planning, consultation, and installations. The company's owner has relayed to us that they are having difficulties keeping track of records in Excel which is not an entirely dependable tool for record gathering since it requires a lot of manual input.

# Project Goals and Objectives

- ▣ Provide a system that is simple and will improve record tracking.
- ▣ Reduce required manual input.

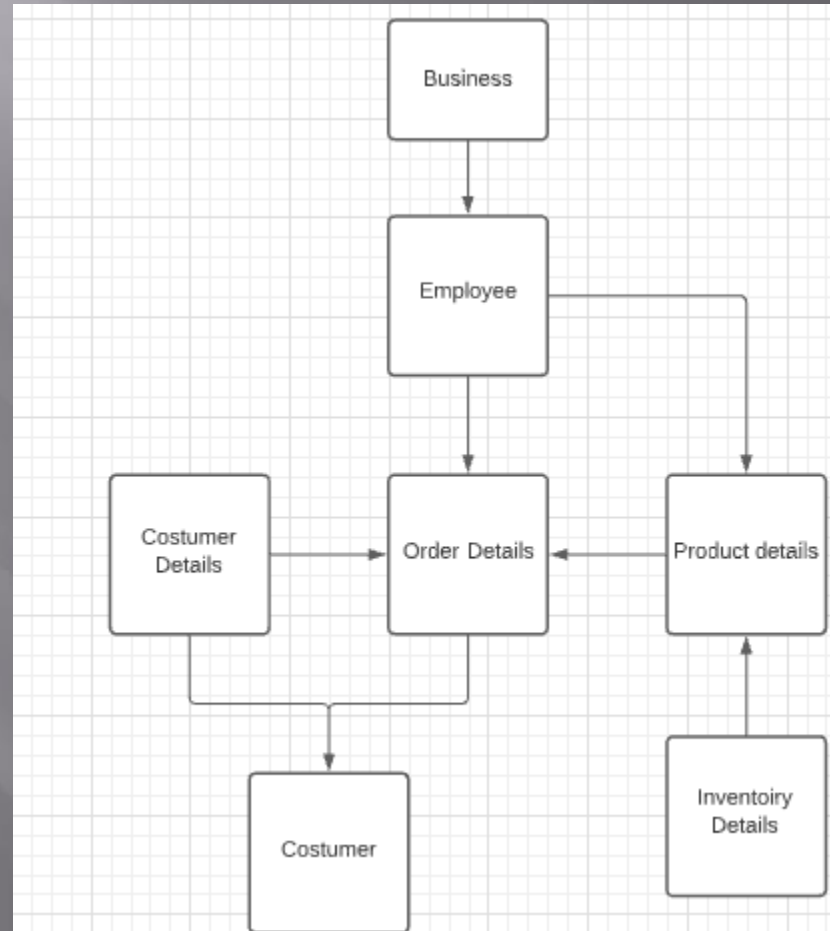
# Chapter 2

## Data Collection and Analysis

# Business Rule

- ▣ The Owner supervises the business operation, their employees, and transactions.
- ▣
- ▣ Employees will manage customers and transactions.
- ▣
- ▣ The employees are in charge of managing the inventory, and delivery/order details.

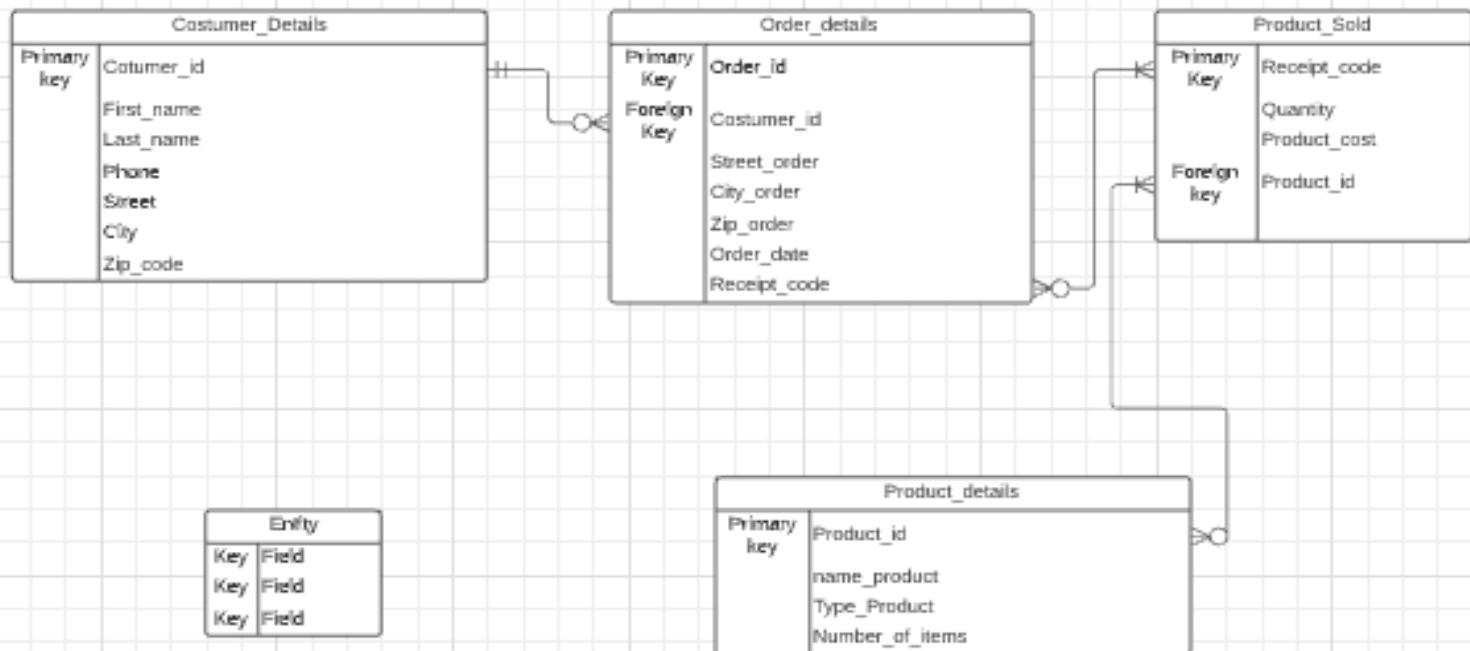
# Data Model



# Chapter 3

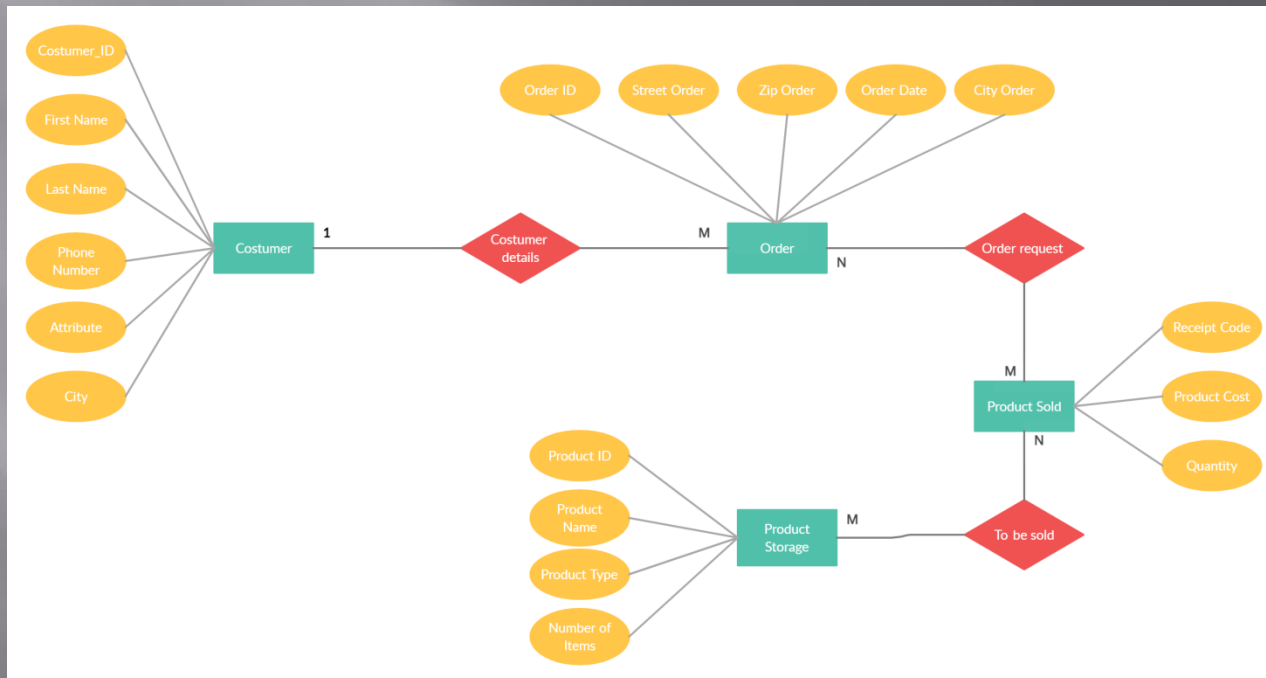
## Database Design

# Crow's Foot Model





# Chen diagram



# Data Dictionary –Metadata

## ▣ Costumer

	Name	Data Type	Allow Nulls	Default	
key	costumerid	int	<input type="checkbox"/>		
	costumername	varchar(50)	<input checked="" type="checkbox"/>		
	costumerlastname	varchar(50)	<input checked="" type="checkbox"/>		
	address	varchar(50)	<input checked="" type="checkbox"/>		
	email	varchar(50)	<input checked="" type="checkbox"/>		
	contactnumber	varchar(50)	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>		


## □ Order/Delivery

	Name	Data Type	Allow Nulls	Default
PK	OrderID	int	<input type="checkbox"/>	
	Ord_Address	varchar(50)	<input checked="" type="checkbox"/>	
	City	varchar(50)	<input checked="" type="checkbox"/>	
	Costumer_ID	varchar(50)	<input checked="" type="checkbox"/>	
	DateOrder	varchar(50)	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	

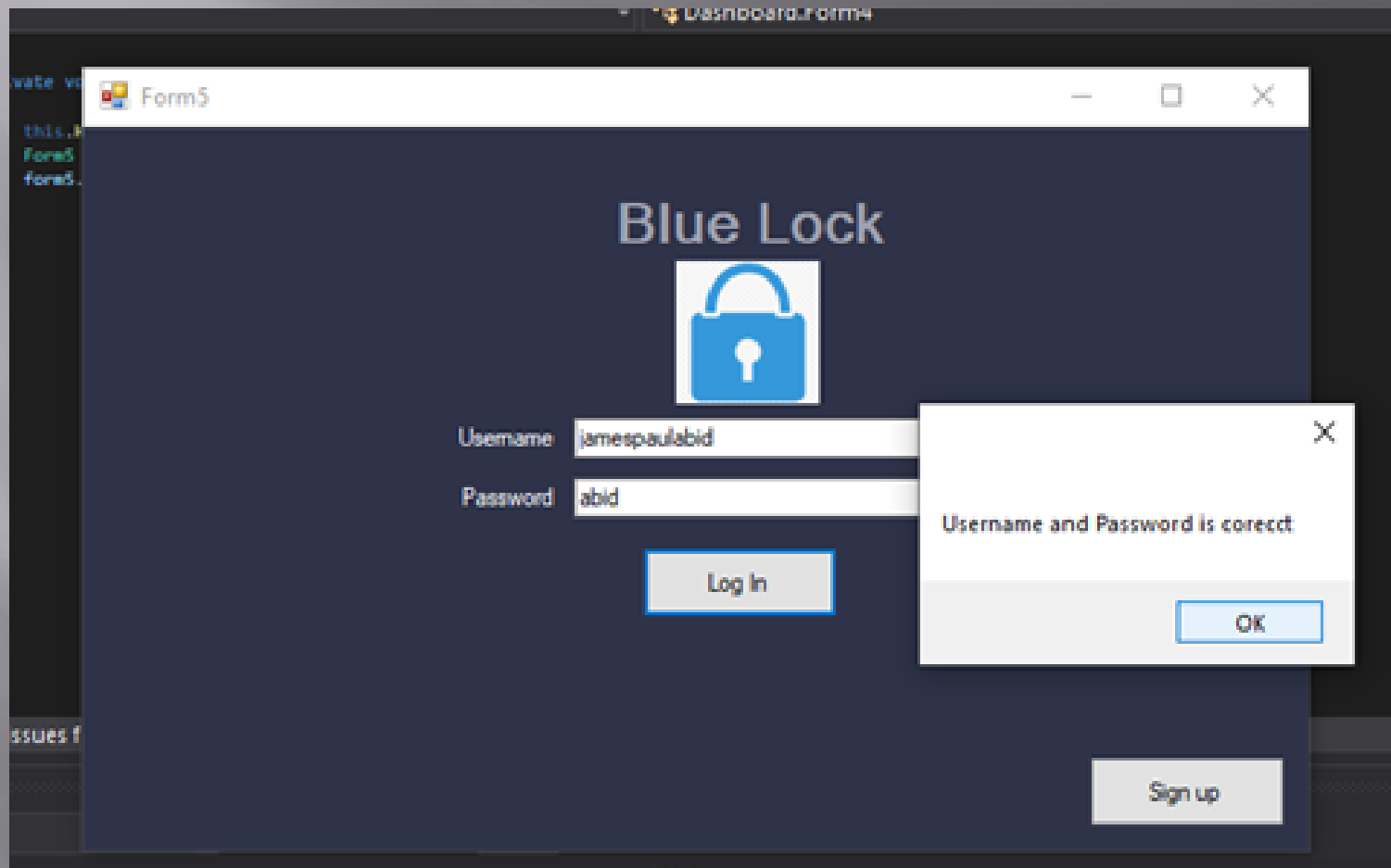
## ▣ Product

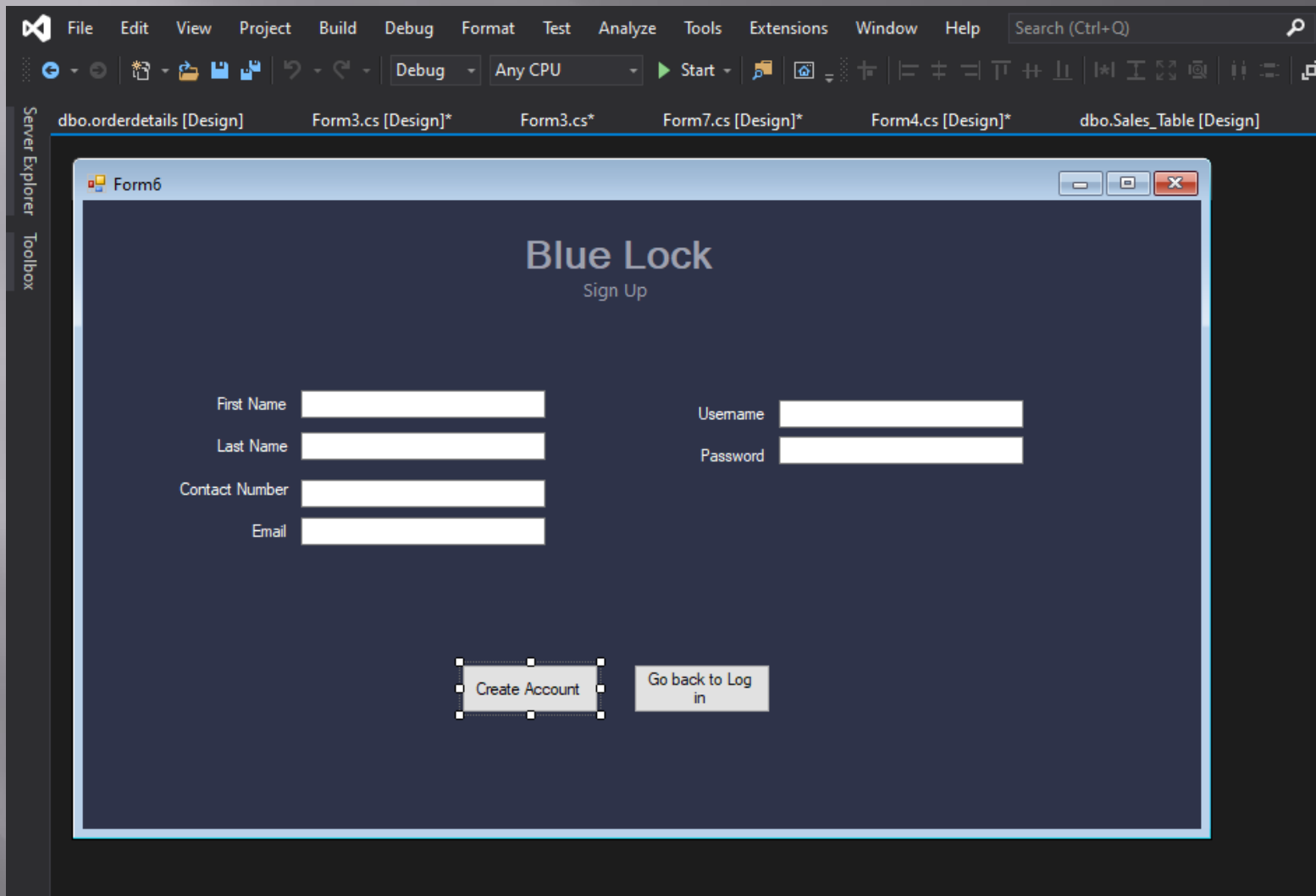
	Name	Data Type	Allow Nulls	Default	
PK	ProductID	int	<input type="checkbox"/>		
	productname	varchar(50)	<input checked="" type="checkbox"/>		
	Product_Type	varchar(50)	<input checked="" type="checkbox"/>		
	Quantity	varchar(50)	<input checked="" type="checkbox"/>		
	Date_added	varchar(50)	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>		

## ▣ Sales

	Name	Data Type	Allow Nulls	Default
	ReceiptID	int	<input type="checkbox"/>	
	Sales_Quantity	varchar(50)	<input checked="" type="checkbox"/>	
	Product_Cost	varchar(50)	<input checked="" type="checkbox"/>	
	CostumerID	varchar(50)	<input checked="" type="checkbox"/>	
	Product_ID	varchar(50)	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	

**Prototype**







Form1

WELCOME

Customer Details

Order Details

Inventory details

Sales Details

Sign Out

Blue Lock

Costumer Details

First Name

Last Name

Address

Email

Contact Number

Add to List

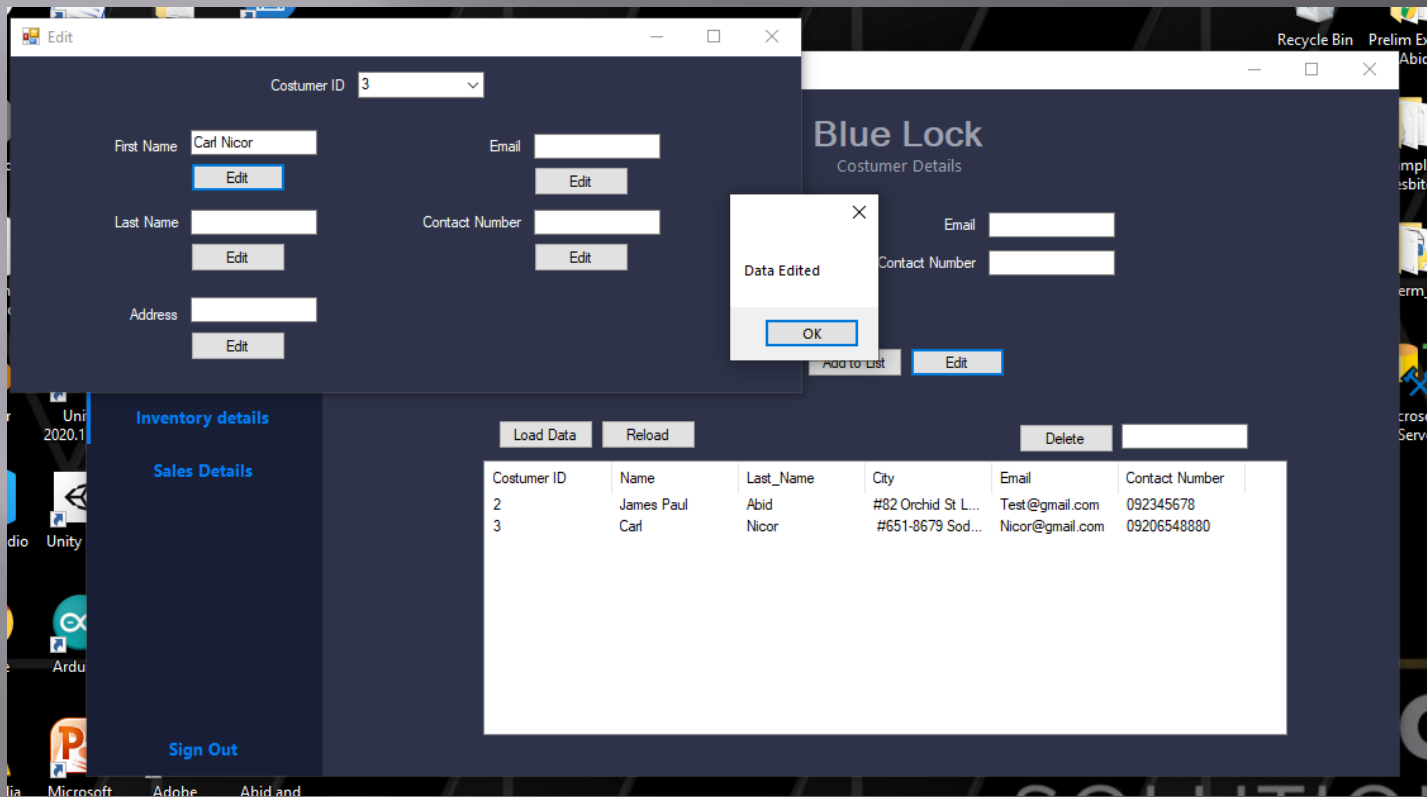
Edit

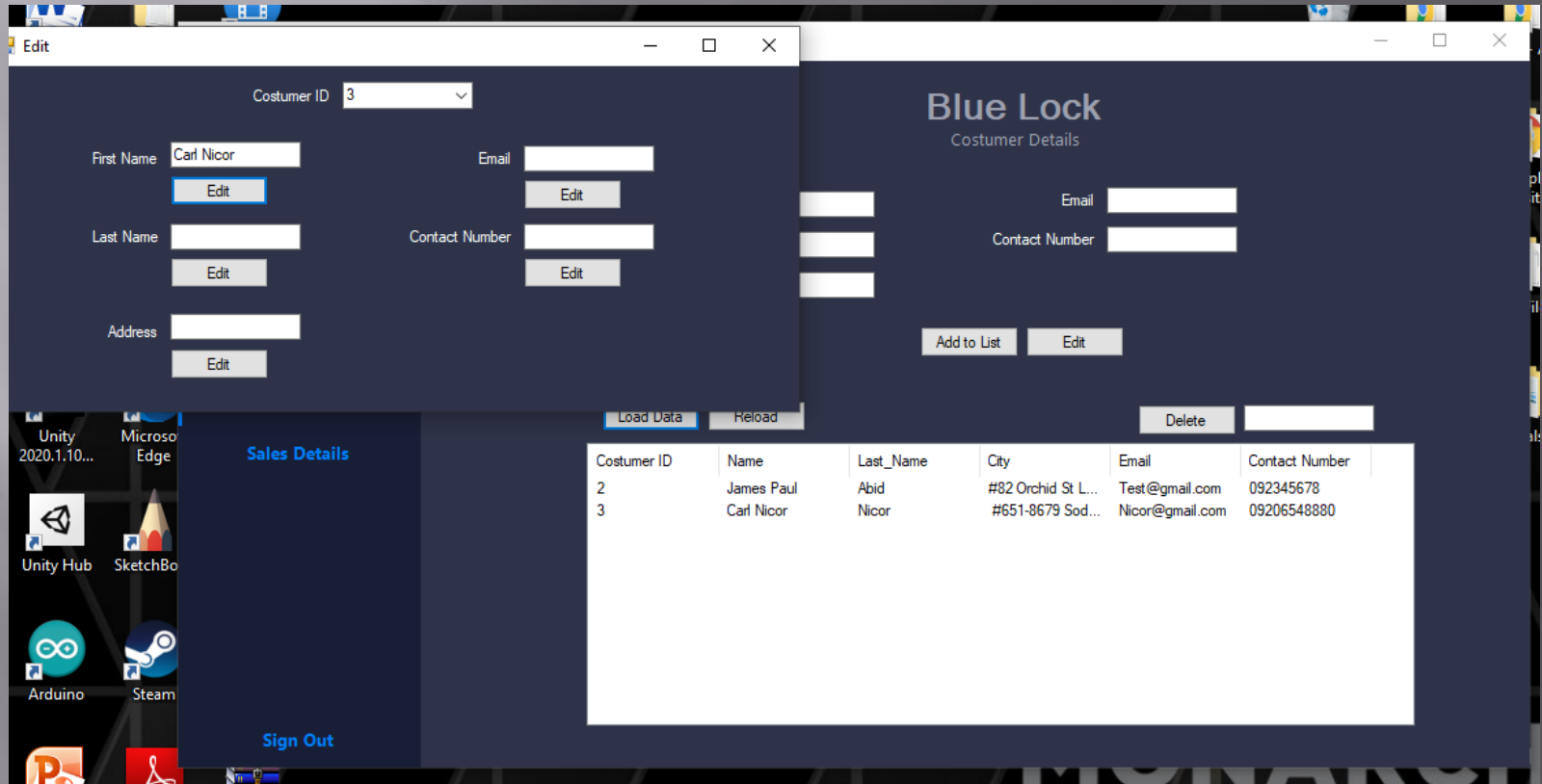
Load Data

Reload

Delete

Costumer ID	Name	Last_Name	City	Email	Contact Number
2	James Paul	Abid	#82 Orchid St L...	Test@gmail.com	092345678
3	Carl	Nicor	#651-8679 Sod...	Nicor@gmail.com	09206548880





Form2

Blue Lock

Order Details

WELCOME

Customer Details

Order Details

Inventory details

Sales Details

Sign Out

Address

Date

Tuesday , April 20, 2021

City

Costumer Id

2

Submit

Edit

Load Data

Refresh

Delete

OrderID	Street	City	Costum...	Date Ad...	Product...
1	935-994...	Davao	2	Tuesda...	
3	#82 Te...	Panabo	3		
4	711-288...	Davao ...	2		
5	#867-8...	Davao	2		
6	#651-8...	Tagum	2		
10	511-576...	Davao	2	Tuesda...	

Form6

Order ID

1

Address

Edit

Date

Tuesday , April 20, 2021

Edit

City

Edit

Costumer Id

2

Edit

Inventory details

Sales Details

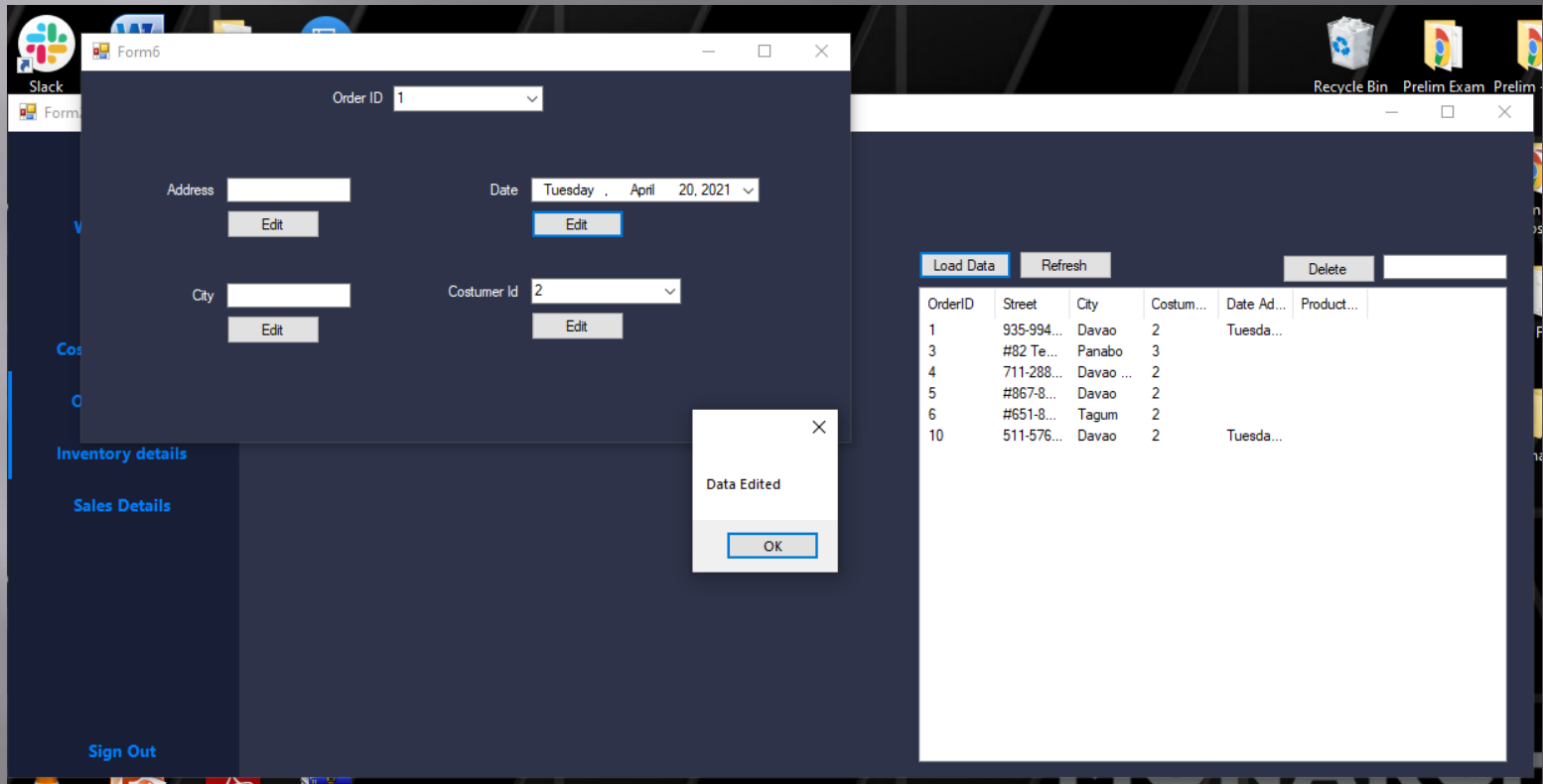
Sign Out

Load Data

Refresh

Delete

OrderID	Street	City	Costum...	Date Ad...	Product...
1	935-994...	Davao	2		
3	#82 Te...	Panabo	3		
4	711-288...	Davao ...	2		
5	#867-8...	Davao	2		
6	#651-8...	Tagum	2		
10	511-576...	Davao	2	Tuesda...	



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Microsoft

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Recycle bin

Preli

Form3

WELCOME

Customer Details

Order Details

Inventory details

Sales Details

Sign Out

Blue Lock

Inventory Details

Load Data

Reload

Delete

Product ID	ProdName	Type of Product	Number of Items	Date Added
1	Metal Tile	Roof	1000	Monday, April 19...
2	Steel Roof	Roof	5000	Monday, April 19...
4	Rubber slate	Roof	1200	Tuesday, April 2...

Product Name

Type of Product

Number of Items

Date Added

Tuesday . April 20, 2021

Submit

Edit

Form3

Form7

Product ID

1

▼

Product Name

Submit

Number of Items

8000

Submit

Type of Product

Submit

Date Added

Tuesday . April 20, 2021

▼

Submit

Data Edited

OK

Lock

Details

Reload

Delete

ProdName	Type of Product	Number of Items	Date Added
Metal Tile	Roof	1000	Monday, April 19...
Steel Roof	Roof	5000	Monday, April 19...
Rubber slate	Roof	1200	Tuesday, April 2...

<

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Sign Out



Inventory Management System for Hakuna Matata Roofing Materials - Microsoft PowerPoint (Product Activation Failed)

File Home Insert Design Transitions Animations Slide Show Review View

Form3

# Blue Lock

Inventory Details

WELCOME

Customer Details

Order Details

Inventory details

Sales Details

Sign Out

Product Name

Type of Product

Number of Items

Date Added Tuesday, April 20, 2021

Submit Edit

Load Data Reload Delete

Product ID	ProdName	Type of Product	Number of Items	Date Added
1	Metal Tile	Roof	8000	Monday, April 19...
2	Steel Roof	Roof	5000	Monday, April 19...
4	Rubber slate	Roof	1200	Tuesday, April 2...

Click to add notes

Slide 24 of 25 "Apex" 69% 6:44 AM 4/20/2021

Form4

WELCOME

Customer Details

Order Details

Inventory details

Sales Details

Sign Out

Blue Lock

Sales Details

Quantity

Product ID

Metal Tile

Product Cost

Customer ID

2

Submit

Edit

Load Data

Reload

Delete

ReceiptID	Quantity	Product cost	Customer ID	Product Name
1	21000	2000000	2	Steel Roof
2	1000	20000	3	Metal Tile
4	5000	20000	2	Metal Tile
5	1000	28800	2	Rubber slate

<

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Form8

ReceiptID

Quantity

Product ID

Product Cost

Customer ID

Edit Edit Edit Edit

## Blue Lock

Sales Details

Load Data Reload Delete

ReceiptID	Quantity	Product cost	Customer ID	Product Name
1	21000	2000000	2	Steel Roof
2	1000	20000	3	Metal Tile
4	5000	20000	2	Metal Tile
5	1000	28800	2	Rubber slate

Data Edited

OK