

Stitch it!: New Systems Requirement Document

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Cover Letter

October 27th, 2014

Stitch It!

Mr. Donald And Mrs. McKenzie

123 Main Street

Oakville, ON, A1B2C3

Dear Mr. and Mrs. McKenzie,

Enclosed we have your New Systems Requirement Document. This document will detail the processes that will be found in this system. We have given diagrams of what your system requires and have provided prototype screens to show what they would look like in your new system. We have attached some question that we would like some feedback on what is to be shown to you in this document.

Executive Summary

This New System Requirement Document was commissioned to examine the business processes of Stitch It! and create a prototype of what that system would look like.

We have broken down the entire process from the customer ordering to delivering the goods into 8 diagrams to simplify and see every process the business does. From there we created a prototype of the required processes as it would look like in the system that would be implemented. from there we create what the required tables would look like to complete the processes the business needs to complete the transaction.

It is recommended:

That changing from a paper system to a computerized system would greatly ease resources from the business to invent in potentially greater ventures

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Introduction

This New System Requirement document is to examine the business processes of Stitch It! and create a prototype of what that system would look like. This document is separated by 4 parts. The first part is the Context Diagram and Data Flow Diagrams. These are a snapshot of each process needed to complete one transaction. The second part takes those processes and creates a prototype screens as they would look like in the system to complete those processes. The third part contains the tables and background information to make those Prototype screens to function as the system requires it to. Finally the fourth part is survey questions to receive better feedback to help refine the system to fit the businesses needs .

Part 1

Context Diagram

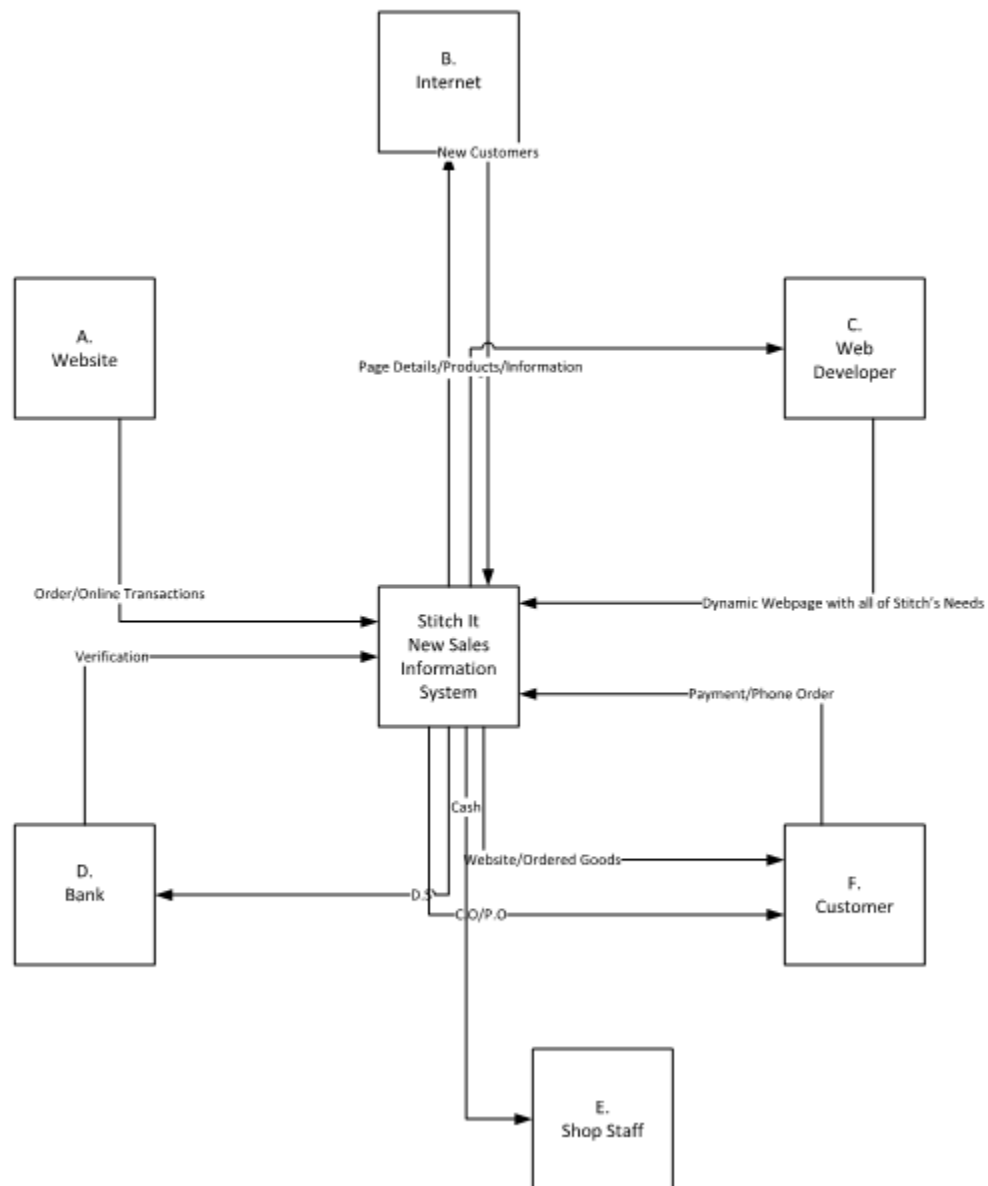


Figure 1 Context Diagram

Data Flow Diagrams

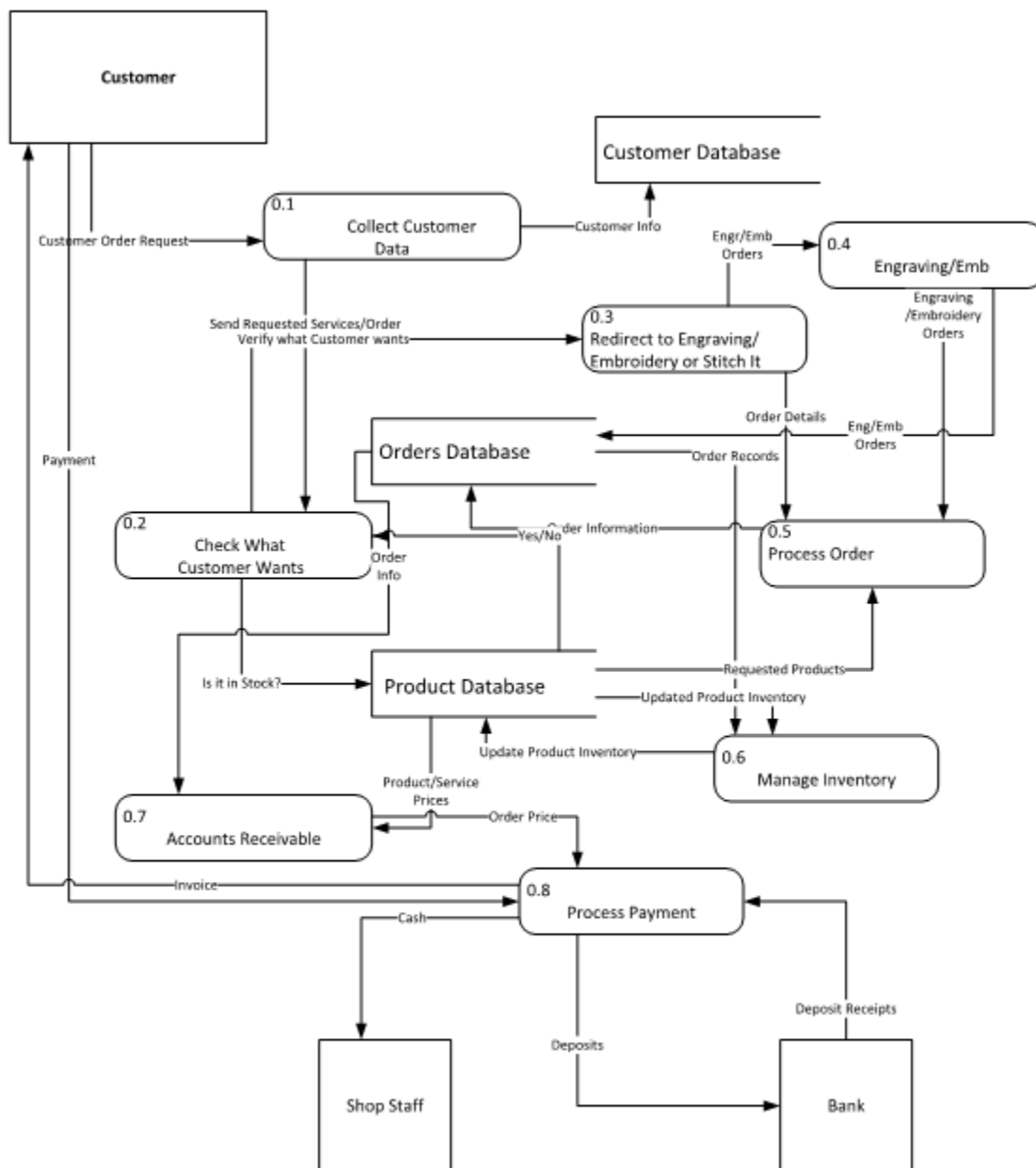


Figure 2 Diagram 0

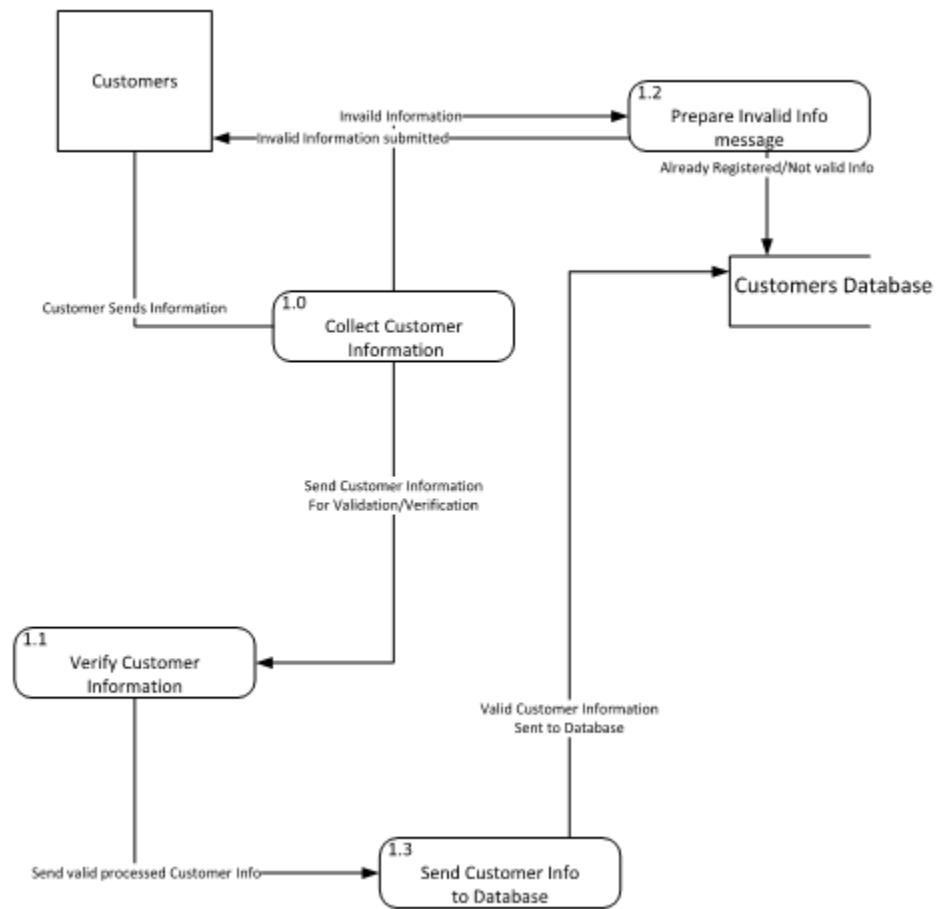


Figure 3Diagram 1

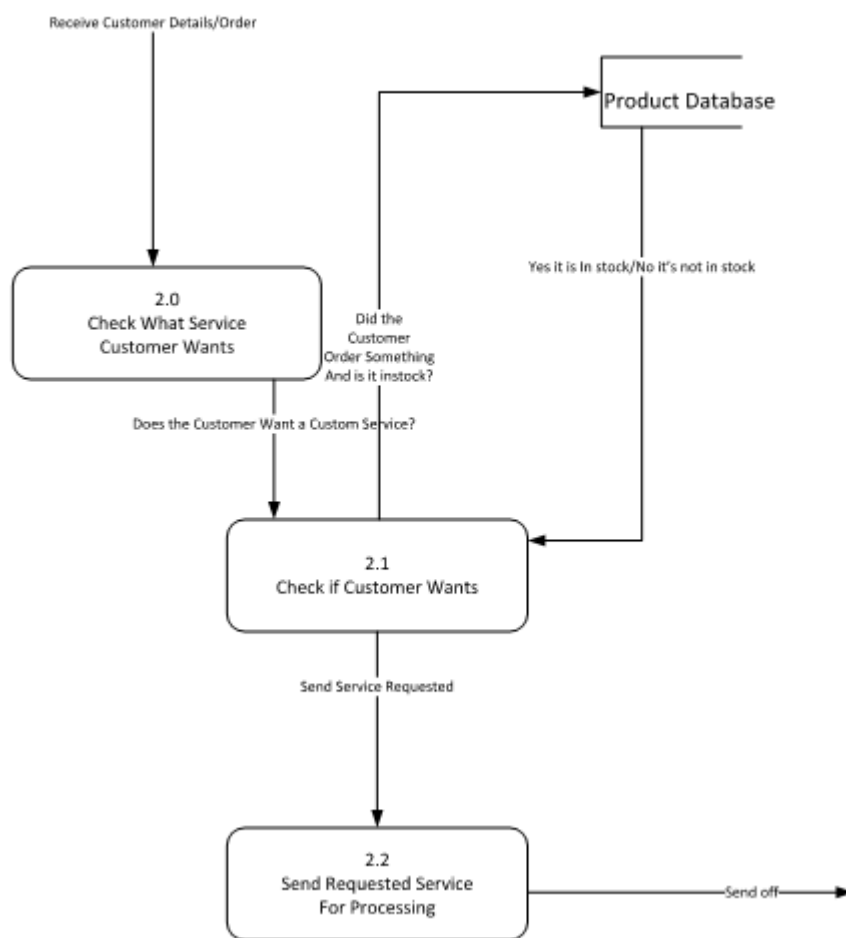


Figure 4 Diagram 2

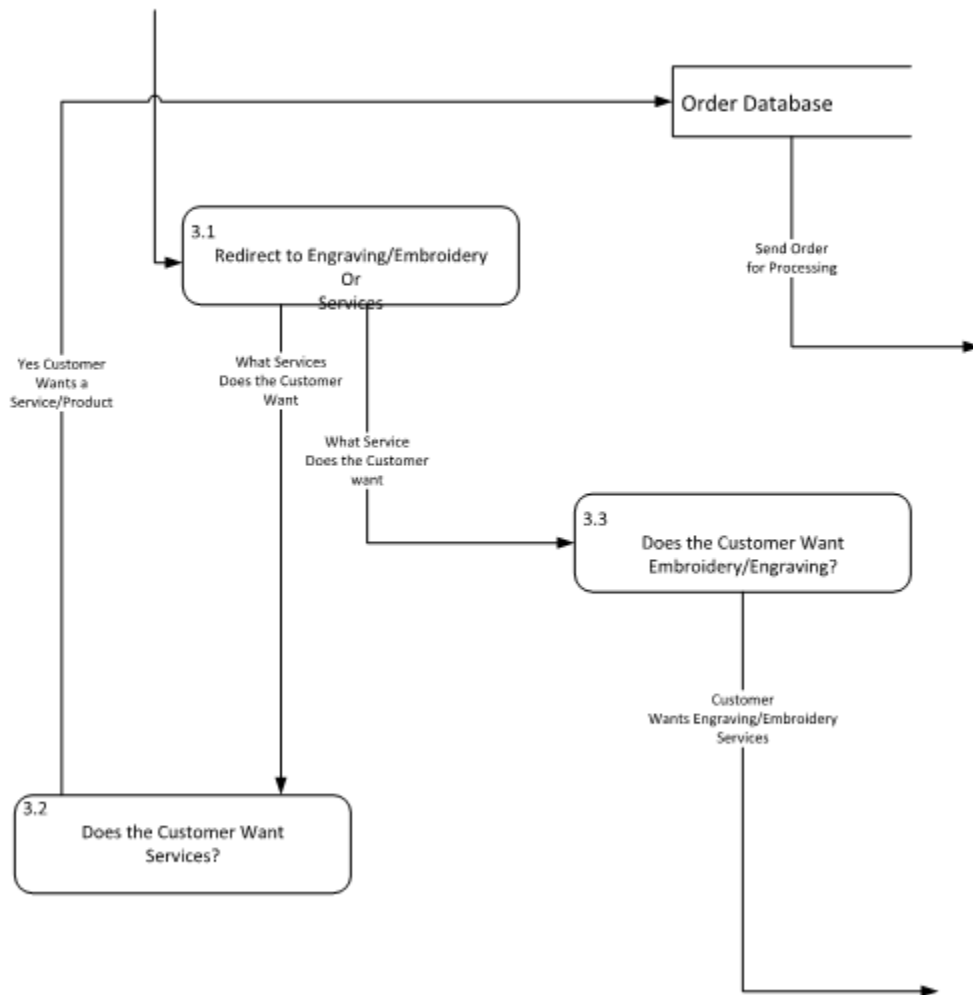


Figure 5 Diagram 3

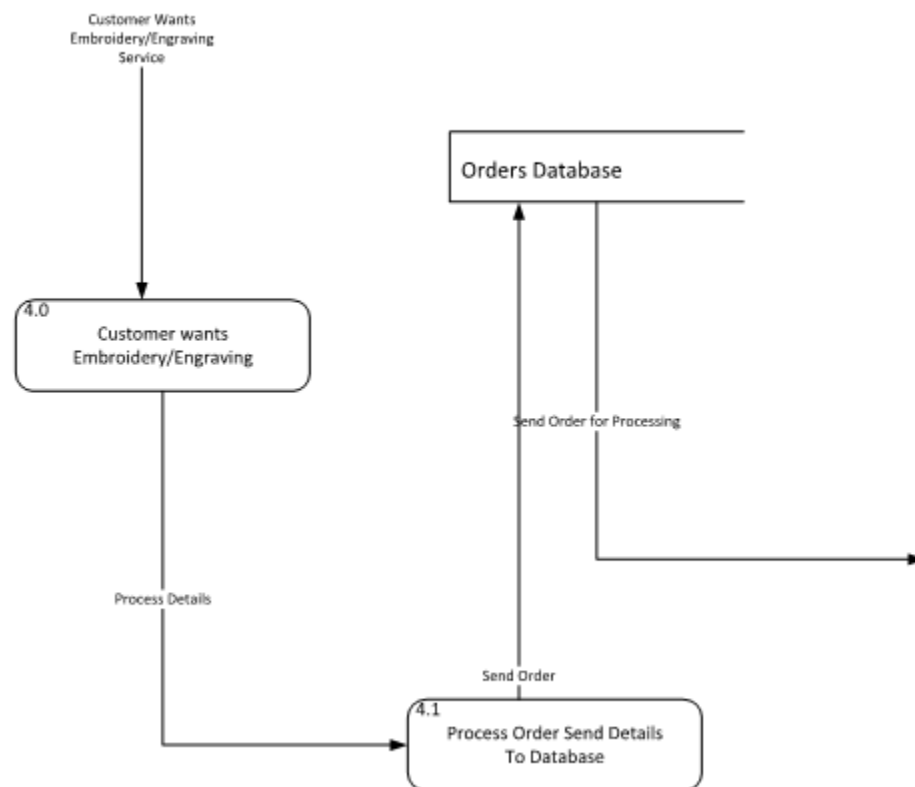


Figure 6 Diagram 4

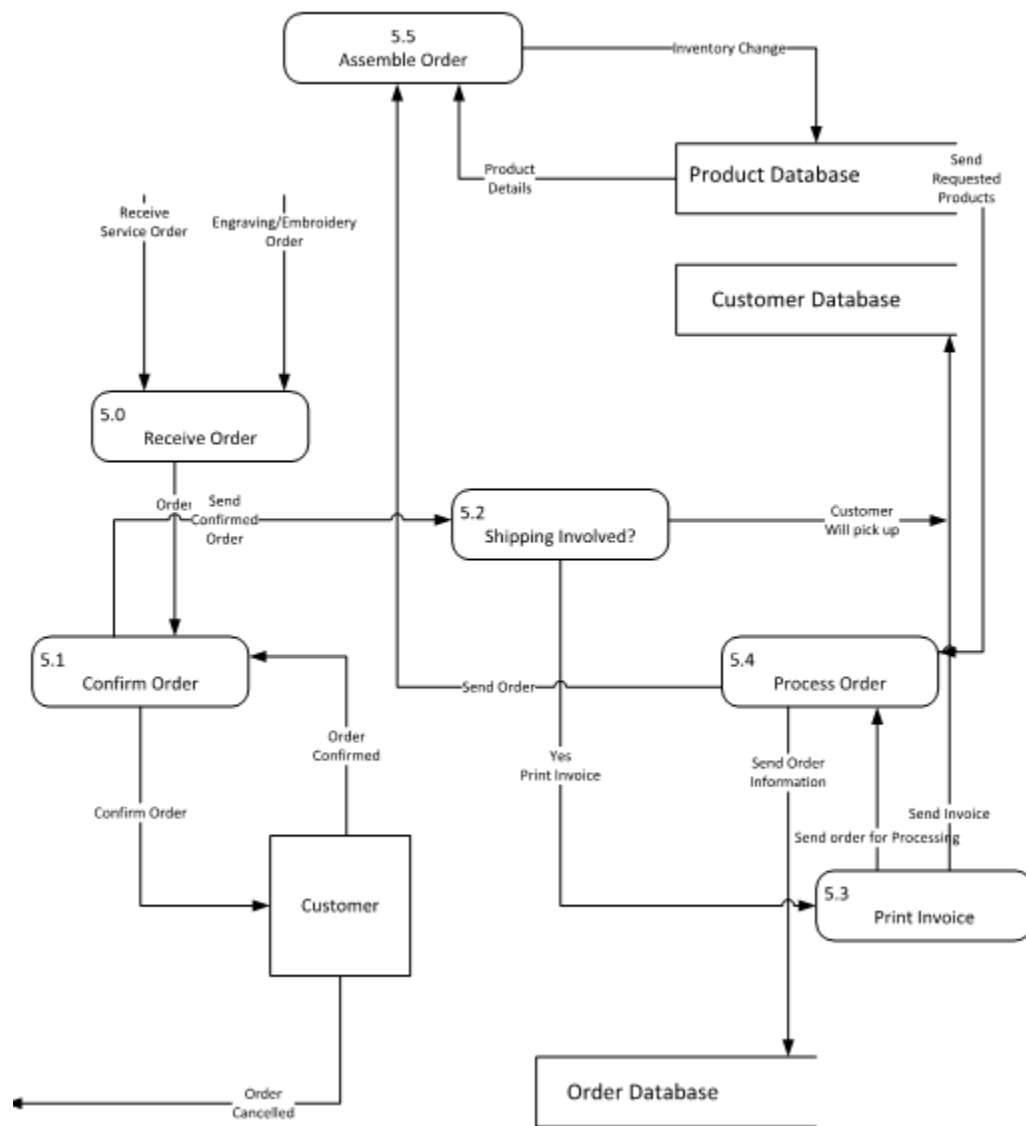


Figure 7 Diagram 5

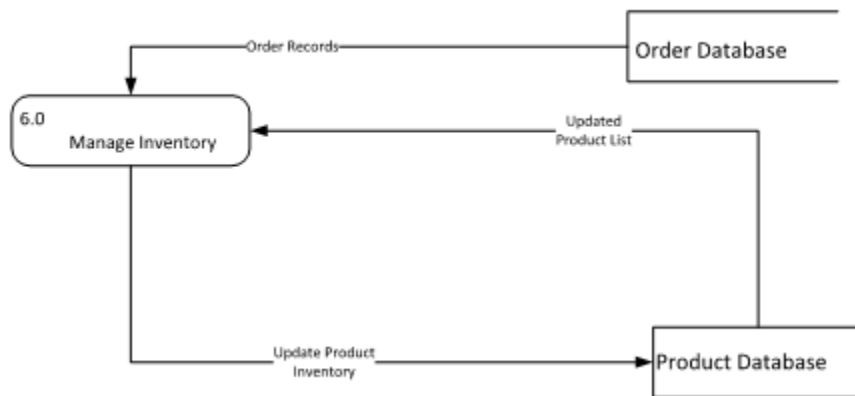


Figure 8 Diagram 6

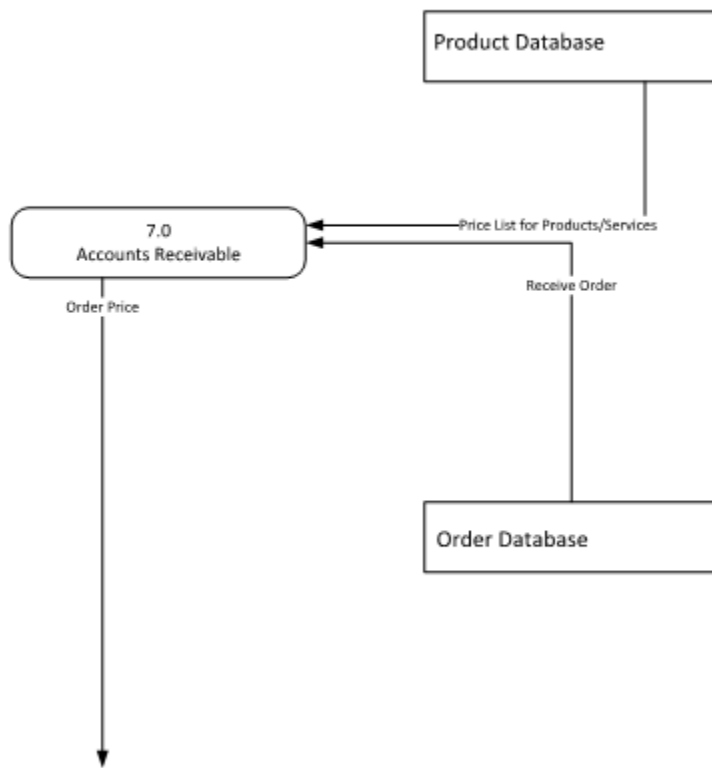


Figure 9 Diagram 7

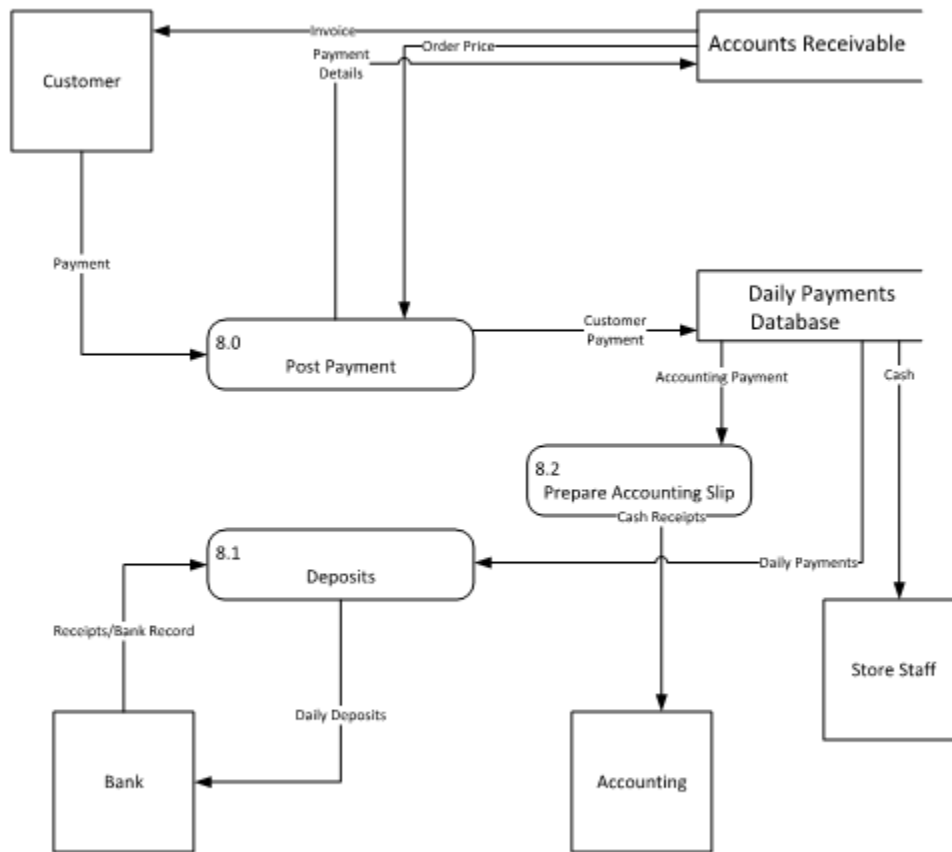


Figure 10 Diagram 8

Part 2: System Prototype Inputs and Reports

So a customer come into the store to make his first order. First the employee need to add the customer to their system.

The screenshot shows a web application window titled 'Customer Details'. The main header is orange and displays the customer's name 'Soo Jung Lee'. Below the header is a navigation bar with a 'Go to' dropdown, 'E-mail Customer', 'Create Outlook Contact', 'Save and New', and a 'Close' button. The form is divided into two tabs: 'General' (selected) and 'Orders'. The 'General' tab contains several sections: 'Company' with a text field 'Company CC'; 'Primary Contact' with 'First Name' 'Soo Jung' and 'Last Name' 'Lee'; 'Phone Numbers' with 'Phone' '(123)555-0100' and 'Fax Number' '(123)555-0101'; and 'Address' with 'Street' '789 29th Street', 'City' 'Denver', 'State/Province' 'CO', 'Zip/Postal Code' '99999', and 'Country/Region' 'USA'. To the right of the contact information is a placeholder for a profile picture and an 'E-mail' text field. Below the phone numbers is a 'Notes' section with a text area containing the text '#Name?'. The form is styled with a light gray background and orange accents.

Figure 11 New Customer Form

Once the customer has been registered You will need to make an order sheet / invoice

Order Sheet And Invoice

So open up a new order sheet and add in the product the customer is buying.

Order Details

Order #84

Status: New Create Invoice Ship Order Complete Order Delete Order Close

Customer: Company CC Salesperson: E-mail Address: Order Date: 27/10/2014

Order Details | Shipping Information | Payment Information

Product	Qty	Unit Price	Discount	Total Price	Status
Plaque, wood	40	\$39.00	0.00%	\$1,560.00	On Order
* Total	40			\$1,560.00	

Record: 1 of 1 Filtered Search

Figure 12 Order details

Add in the Shipping information of the order.

The screenshot shows a web application window titled "Order Details" for "Order #84". The status is "New". The window has three tabs: "Order Details", "Shipping Information", and "Payment Information". The "Shipping Information" tab is active, showing fields for "Shipping Company", "Ship Date", and "Shipping Fee" (set to \$0.00). Below these are fields for "Ship Name", "Ship Address", "City", "State/Province", "Zip/Postal Code", and "Country/Region". The "Ship Name" field contains "Soo Jung Lee", "Ship Address" contains "789 29th Street", "City" contains "Denver", "State/Province" contains "CO", "Zip/Postal Code" contains "99999", and "Country/Region" contains "USA". There is a "Clear Address" button at the bottom of the shipping information section. The bottom of the window shows a record count of "1 of 1" and a "Filtered" status.

Customer Information	
Customer	Company CC
E-mail Address	
Salesperson	
Order Date	27/10/2014

Shipping Information	
Shipping Company	
Ship Date	
Shipping Fee	\$0.00
Ship Name	Soo Jung Lee
Ship Address	789 29th Street
City	Denver
State/Province	CO
Zip/Postal Code	99999
Country/Region	USA

Clear Address

Record: 1 of 1 | Filtered | Search

Figure 13 Order shipping

Finally the payment information

The screenshot shows a software window titled "Order Details" with a close button in the top right corner. The window has an orange header bar with a globe icon and the text "Order #84". Below the header, there is a status bar showing "Status: New" and several action buttons: "Create Invoice", "Ship Order", "Complete Order", "Delete Order", and a "Close" button. The main content area is divided into two sections. The top section contains fields for "Customer" (with a dropdown menu showing "Company CC"), "Salesperson" (with a dropdown menu), "E-mail Address" (text input), and "Order Date" (text input showing "27/10/2014"). Below this is a tabbed interface with three tabs: "Order Details", "Shipping Information", and "Payment Information". The "Payment Information" tab is currently selected and shows fields for "Payment Type" (dropdown menu showing "Check"), "Payment Date" (text input showing "26/10/2014"), and "Payment/Order Notes" (text input showing "N/A"). At the bottom of the window, there is a record navigation bar with "Record: 1 of 1", a "Filtered" button, and a "Search" button.

Field	Value
Customer	Company CC
Salesperson	
E-mail Address	
Order Date	27/10/2014
Payment Type	Check
Payment Date	26/10/2014
Payment/Order Notes	N/A

Figure 14 Order Payment

After the order is completed its time to order the materials from the suppliers so you can complete the order.

[illegible]

Figure 15 Purchase Form

And that's all the employee is required to do at point of purchase!

Reports

The reports generated by the system will allow all the data in the data base be filtered into easy to read chunks of information to look and make decisions with here are 5 that the system can produce.

Biggest Orders

This allows the company to look and see what should be the biggest priority of current orders

October-27-14

Top 10 Biggest Orders

#	Invoice #	Order Date	Company	Sales Amount
1	38	10/03/2006	Company BB	\$13,800.00
2	41	24/03/2006	Company G	\$13,800.00
3	47	08/04/2006	Company F	\$4,200.00
4	46	05/04/2006	Company I	\$3,690.00
5	58	22/04/2006	Company D	\$3,520.00
6	79	23/06/2006	Company F	\$2,490.00
7	77	05/06/2006	Company Z	\$2,250.00
8	36	23/02/2006	Company C	\$1,930.00
9	44	24/03/2006	Company A	\$1,674.75
10	78	05/06/2006	Company CC	\$1,560.00

Figure 16 Top 10 Biggest Orders

Quarterly or Monthly Sales Reports

Taking a snapshot of what particular products or categories are giving the greatest amount of revenue.

Quarterly Sales Report

October-2

Q1 2006

Category	Jan	Feb	Mar	Total
	\$670.00	\$127.50	\$0.00	\$797.50
Accessories	\$2,320.00	\$1,930.00	\$0.00	\$4,250.00
Apperal	\$0.00	\$0.00	\$0.00	\$0.00
Paper	\$570.00	\$0.00	\$0.00	\$570.00
Plaques	\$276.00	\$184.00	\$0.00	\$460.00
	\$3,836.00	\$2,241.50	\$0.00	\$6,077.50

Figure 17 Quarterly Sales Report (category)

Quarterly Sales Report

October-2

Q1 2006

Product	Jan	Feb	Mar	Total
Brochures	\$270.00	\$0.00	\$0.00	\$270.00
Golf Shirt	\$0.00	\$0.00	\$0.00	\$0.00
Jacket	\$0.00	\$0.00	\$0.00	\$0.00
Day Timers	\$300.00	\$0.00	\$0.00	\$300.00
Business Cards	\$0.00	\$0.00	\$0.00	\$0.00
Plague, metal	\$276.00	\$184.00	\$0.00	\$460.00
Water Bottles	\$1,400.00	\$0.00	\$0.00	\$1,400.00
Glassware	\$0.00	\$1,930.00	\$0.00	\$1,930.00
Mugs	\$920.00	\$0.00	\$0.00	\$920.00
	\$0.00	\$127.50	\$0.00	\$127.50
	\$530.00	\$0.00	\$0.00	\$530.00
	\$140.00	\$0.00	\$0.00	\$140.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$3,836.00	\$2,241.50	\$0.00	\$6,077.50

Figure 18 Quarterly Sale Report (by product)

Product Sales by Total Revenue

A representation of what is bringing in the most revenue into the company

Product Sales by Total Revenue

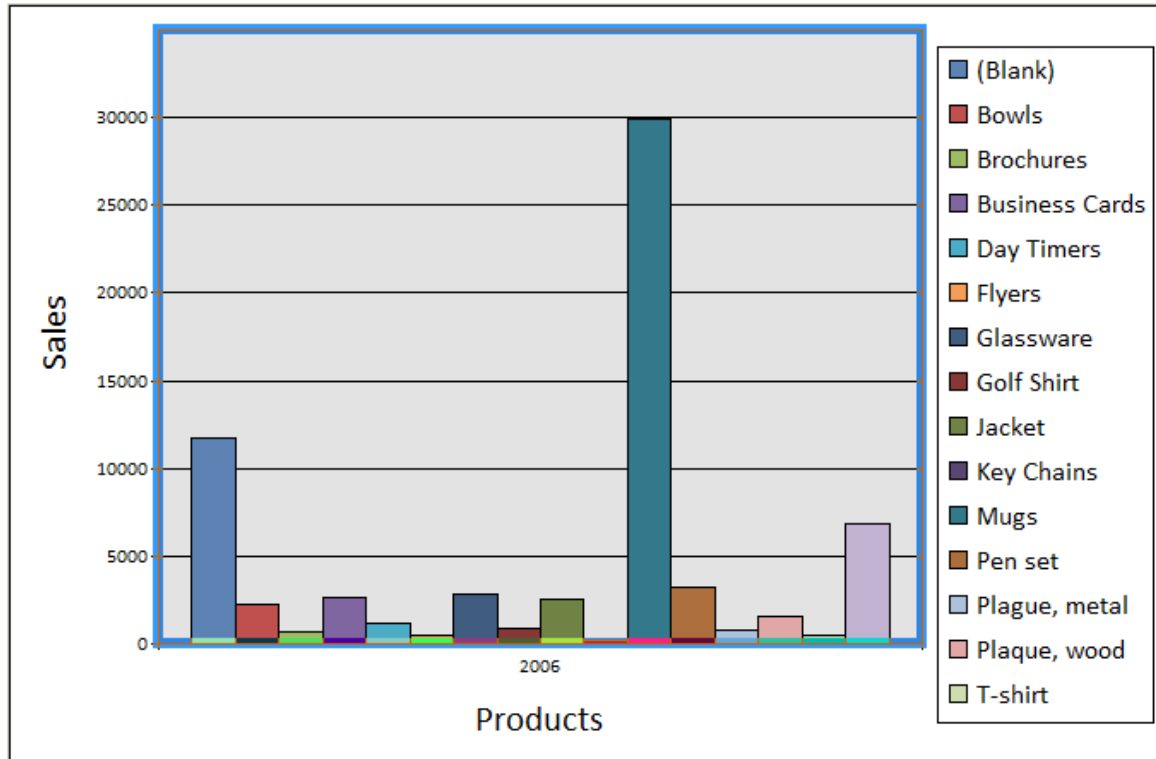


Figure 19 Product Sales by Revenue

Product Summary

Snap shot of current inventory levels and how long till they have arrived

Inventory List								
Add Product								Home
Product	Total Inventory	Allocated Inventory	Available Inventory	Inventory Due from Supplier	Combined Total	Target Level	Qty To Reorder	Purchase from Supplier
Brochures	40	25	15	0	15	40	25	Purchase
T-shirt	50	0	50	0	50	100	50	Purchase
Golf Shirt	0	0	0	0	0	40	40	Purchase
Flyers	15	0	15	0	15	40	25	Purchase
Jacket	0	0	0	0	0	100	100	Purchase
Day Timers	10	0	10	0	10	40	30	Purchase
Business Cards	17	0	17	0	17	40	23	Purchase
Hoodies	40	0	40	0	40	40	0	Purchase
Plaque, wood	0	0	0	40	40	40	0	Purchase
Plaque, metal	20	0	20	0	20	20	0	Purchase
Pen set	0	0	0	0	0	40	40	Purchase
Key Chains	0	0	0	0	0	20	20	Purchase
Water Bottles	23	23	0	0	0	60	60	Purchase
Bowls	0	0	0	0	0	120	120	Purchase
Glassware	0	0	0	0	0	40	40	Purchase

Figure 20 Product Summary

Product Purchases By Supplier

Snapshot for the company to see how much is being purchased from there suppliers

Supplier Name	Product Name	Avg Unit Price	Total Units
Supplier B	plaques	\$3.00	7
Supplier C	Flyers	\$19.00	20
	Jacket	\$11.00	34
Supplier D	plaques	\$10.00	23
Supplier E	Brochures	\$22.00	11

Figure 21 Product Purchases by Supplier

Part 3: Access System Prototype

New Customer

ID	Company	Last Name	First Name	E-mail Address	Phone	Fax Number	Address	City	State/Provi	ZIP/Postal	Country/Re
1	Company A	Bedecs	Anna		(123)555-010	(123)555-0101	123 1st Street	Seattle	BC	99999	CAN
2	Company B	Gratacos Sols	Antonio		(123)555-010	(123)555-0101	123 2nd Street	Boston	MA	99999	USA
3	Company C	Axen	Thomas		(123)555-010	(123)555-0101	123 3rd Street	Los Angeles	CA	99999	USA
4	Company D	Lee	Christina		(123)555-010	(123)555-0101	123 4th Street	New York	NY	99999	USA
5	Company E	O' Donnell	Martin		(123)555-010	(123)555-0101	123 5th Street	Minneapolis	MN	99999	USA
6	Company F	Pérez-Olaeta	Francisco		(123)555-010	(123)555-0101	123 6th Street	Milwaukee	WI	99999	USA
7	Company G	Xie	Ming-Yang		(123)555-010	(123)555-0101	123 7th Street	Boise	ID	99999	CAN
8	Company H	Andersen	Elizabeth		(123)555-010	(123)555-0101	123 8th Street	Portland	OR	99999	USA
9	Company I	Mortensen	Sven		(123)555-010	(123)555-0101	123 9th Street	Salt Lake City	UT	99999	USA
10	Company J	Wacker	Roland		(123)555-010	(123)555-0101	123 10th Street	Chicago	IL	99999	USA
11	Company K	Krschne	Peter		(123)555-010	(123)555-0101	123 11th Street	Miami	FL	99999	USA
12	Company L	Edwards	John		(123)555-010	(123)555-0101	123 12th Street	Las Vegas	NV	99999	USA
13	Company M	Ludick	Andre		(123)555-010	(123)555-0101	456 13th Street	Memphis	TN	99999	USA
14	Company N	Grilo	Carlos		(123)555-010	(123)555-0101	456 14th Street	Denver	CO	99999	USA
15	Company O	Kupkova	Helena		(123)555-010	(123)555-0101	456 15th Street	Honolulu	HI	99999	USA
16	Company P	Goldschmidt	Daniel		(123)555-010	(123)555-0101	456 16th Street	San Francisco	CA	99999	USA
17	Company Q	Bagel	Jean Philippe		(123)555-010	(123)555-0101	456 17th Street	Seattle	WA	99999	USA
18	Company R	Autier Miconi	Catherine		(123)555-010	(123)555-0101	456 18th Street	Boston	MA	99999	USA
19	Company S	Egerer	Alexander		(123)555-010	(123)555-0101	789 19th Street	Los Angeles	CA	99999	USA
20	Company T	Li	George		(123)555-010	(123)555-0101	789 20th Street	New York	NY	99999	USA
21	Company U	Tham	Bernard		(123)555-010	(123)555-0101	789 21th Street	Minneapolis	ON	99999	CAN
22	Company V	Ramos	Luciana		(123)555-010	(123)555-0101	789 22th Street	Milwaukee	WI	99999	USA
23	Company W	Entin	Michael		(123)555-010	(123)555-0101	789 23th Street	Portland	OR	99999	USA
24	Company X	Hasselberg	Jonas		(123)555-010	(123)555-0101	789 24th Street	Salt Lake City	UT	99999	USA
25	Company Y	Rodman	John		(123)555-010	(123)555-0101	789 25th Street	Chicago	IL	99999	USA
26	Company Z	Liu	Run		(123)555-010	(123)555-0101	789 26th Street	Miami	FL	99999	USA
27	Company AA	Toh	Karen		(123)555-010	(123)555-0101	789 27th Street	Las Vegas	NV	99999	USA
28	Company BB	Raghav	Amritansh		(123)555-010	(123)555-0101	789 28th Street	Memphis	TN	99999	USA
29	Company CC	Lee	Soo Jung		(123)555-010	(123)555-0101	789 29th Street	Denver	CO	99999	USA

Table 1 Customer Table

Order Sheet/ Invoice

Orders table shows what orders and invoices have been added to the system.

Order ID	Employee	Customer	Order Date	Shipped Date	Ship Via	Ship Name	Ship Address	Ship City	Ship State	Ship ZIP/Pl	Ship Country	Shipping Fe	Taxes	Payment Type	Paid Date	N
30	Anne Hellung-La	Company AA	15/01/2006	22/01/2006	Shipping Company B	Karen Toh	789 27th Stre Las Vegas	NV	99999	USA		\$200.00	\$0.00	Check	15/01/2006	
31	Jan Kotas	Company D	20/01/2006	22/01/2006	Shipping Company A	Christina Lee	123 4th Stree New York	NY	99999	USA		\$5.00	\$0.00	Credit Card	20/01/2006	
32	Mariya Sergienko	Company L	22/01/2006	22/01/2006	Shipping Company B	John Edwards	123 12th Stre Las Vegas	NV	99999	USA		\$5.00	\$0.00	Credit Card	22/01/2006	
33	Michael Neipper	Company H	30/01/2006	31/01/2006	Shipping Company C	Elizabeth Ande	123 8th Stree Portland	OR	99999	USA		\$50.00	\$0.00	Credit Card	30/01/2006	
34	Anne Hellung-La	Company D	06/02/2006	07/02/2006	Shipping Company C	Christina Lee	123 4th Stree New York	NY	99999	USA		\$4.00	\$0.00	Check	06/02/2006	
35	Jan Kotas	Company CC	10/02/2006	12/02/2006	Shipping Company B	Soo Jung Lee	789 29th Stre Denver	CO	99999	USA		\$7.00	\$0.00	Check	10/02/2006	
36	Mariya Sergienko	Company C	23/02/2006	25/02/2006	Shipping Company B	Thomas Aven	123 3rd Stree Los Angeles	CA	99999	USA		\$7.00	\$0.00	Cash	23/02/2006	
37	Laura Giussani	Company F	06/03/2006	09/03/2006	Shipping Company B	Francisco Pér	123 6th Stree Milwaukee	WI	99999	USA		\$12.00	\$0.00	Credit Card	06/03/2006	
38	Anne Hellung-La	Company BB	10/03/2006	11/03/2006	Shipping Company C	Amritansh Rag	789 26th Stre Memphis	TN	99999	USA		\$10.00	\$0.00	Check	10/03/2006	
39	Jan Kotas	Company H	22/03/2006	24/03/2006	Shipping Company C	Elizabeth Ande	123 8th Stree Portland	OR	99999	USA		\$5.00	\$0.00	Check	22/03/2006	
40	Mariya Sergienko	Company J	24/03/2006	24/03/2006	Shipping Company B	Roland Wacke	123 10th Stre Chicago	IL	99999	USA		\$9.00	\$0.00	Credit Card	24/03/2006	
41	Nancy Freehafer	Company G	24/03/2006			Ming-Yang Xie	123 7th Stree Boise	ID	99999	USA		\$0.00	\$0.00			
42	Nancy Freehafer	Company J	24/03/2006	07/04/2006	Shipping Company A	Roland Wacke	123 10th Stre Chicago	IL	99999	USA		\$0.00	\$0.00			
43	Nancy Freehafer	Company K	24/03/2006		Shipping Company C	Peter Krschne	123 11th Stre Miami	FL	99999	USA		\$0.00	\$0.00			
44	Nancy Freehafer	Company A	24/03/2006			Anna Bedecs	123 1st Stree Seattle	WA	99999	USA		\$0.00	\$0.00			
45	Nancy Freehafer	Company BB	07/04/2006	07/04/2006	Shipping Company C	Amritansh Rag	789 26th Stre Memphis	TN	99999	USA		\$40.00	\$0.00	Credit Card	07/04/2006	
46	Robert Zare	Company I	05/04/2006	05/04/2006	Shipping Company A	Sven Mortens	123 9th Stree Salt Lake City	UT	99999	USA		\$100.00	\$0.00	Check	05/04/2006	
47	Michael Neipper	Company F	08/04/2006	08/04/2006	Shipping Company B	Francisco Pér	123 6th Stree Milwaukee	WI	99999	USA		\$300.00	\$0.00	Credit Card	08/04/2006	
48	Mariya Sergienko	Company H	05/04/2006	05/04/2006	Shipping Company B	Elizabeth Ande	123 8th Stree Portland	OR	99999	USA		\$50.00	\$0.00	Check	05/04/2006	
50	Anne Hellung-La	Company Y	05/04/2006	05/04/2006	Shipping Company A	John Rodman	789 25th Stre Chicago	IL	99999	USA		\$5.00	\$0.00	Cash	05/04/2006	
51	Anne Hellung-La	Company Z	05/04/2006	05/04/2006	Shipping Company C	Run Liu	789 26th Stre Miami	FL	99999	USA		\$60.00	\$0.00	Credit Card	05/04/2006	
55	Nancy Freehafer	Company CC	05/04/2006	05/04/2006	Shipping Company B	Soo Jung Lee	789 29th Stre Denver	CO	99999	USA		\$200.00	\$0.00	Check	05/04/2006	
56	Andrew Gennini	Company F	09/04/2006	09/04/2006	Shipping Company C	Francisco Pér	123 6th Stree Milwaukee	WI	99999	USA		\$0.00	\$0.00	Check	09/04/2006	

Table 2 Orders Table

Order details tells of what product is being sold and for how much

ID	Order ID	Product	Quantity	Unit Price	Discount	Status ID	Date Allocated	Purchase C	Inventory II
42	41	Mugs	300	\$46.00	0.00%	Allocated		102	104
43	42	Jacket	10	\$25.00	0.00%	Invoiced			84
44	42	Golf Shirt	10	\$22.00	0.00%	Invoiced			85
45	42	Plague, metal	10	\$9.20	0.00%	Invoiced		103	110
46	43		20	\$3.50	0.00%	Allocated			86
47	43		50	\$2.99	0.00%	Allocated			87
48	44	Brochures	25	\$18.00	0.00%	Allocated			88
49	44	Mugs	25	\$46.00	0.00%	Allocated			89
50	44		25	\$2.99	0.00%	Allocated			90
51	45	Glassware	50	\$9.65	0.00%	Invoiced		104	116
52	45	Bowls	50	\$18.40	0.00%	Invoiced			91
53	46		100	\$19.50	0.00%	Invoiced		105	101
54	46		50	\$34.80	0.00%	Invoiced		106	114
55	47	Water Bottles	300	\$14.00	0.00%	Invoiced		107	108
56	48	Business Card	25	\$40.00	0.00%	Invoiced		108	106
57	48	Plague, metal	25	\$9.20	0.00%	Invoiced		109	112
59	50	Key Chains	20	\$10.00	0.00%	Invoiced			92
60	51	Flyers	25	\$21.35	0.00%	Invoiced			93
61	51	Glassware	30	\$9.65	0.00%	Invoiced			94
62	51	Bowls	30	\$18.40	0.00%	Invoiced			95
66	56		10	\$12.75	0.00%	Invoiced		111	99
67	55	Water Bottles	87	\$14.00	0.00%	Invoiced			117
68	79	Day Timers	30	\$30.00	0.00%	Invoiced			119
69	79		30	\$53.00	0.00%	Invoiced			118
70	78	Plaque, wood	40	\$39.00	0.00%	Invoiced			120
71	77	Jacket	90	\$25.00	0.00%	Invoiced			121
72	76	Golf Shirt	30	\$22.00	0.00%	Invoiced			122
73	75		40	\$12.75	0.00%	Invoiced			123

Table 3 Order Details

Purchase Order

purchase order table describes what supplier is being bought from and how much.

Purchase Order ID	Supplier ID	Created By	Submitted Date	Creation Date	Status ID	Expected D	Shipping Fe	Taxes	Payment Dt	Payment Ar	Payment M	Notes	Approved B	Approved Date	Subm
90	Supplier A	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	22/01/2006	Andre
91	Supplier C	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	22/01/2006	Andre
92	Supplier B	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	22/01/2006	Andre
93	Supplier E	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	22/01/2006	Andre
94	Supplier F	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	22/01/2006	Andre
95	Supplier D	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	22/01/2006	Andre
96	Supplier A	Steven Thorp	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	22/01/2006	Steve
97	Supplier B	Robert Zare	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	22/01/2006	Robert
98	Supplier B	Mariya Sergler	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	22/01/2006	Mariya
99	Supplier A	Jan Kotas	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	22/01/2006	Jan K
100	Supplier B	Anne Heilung	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	22/01/2006	Anne
101	Supplier A	Andrew Cenci	14/01/2006	22/01/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	22/01/2006	Andre
102	Supplier A	Nancy Freeha	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Nancy
103	Supplier B	Nancy Freeha	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Nancy
104	Supplier B	Nancy Freeha	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Nancy
105	Supplier E	Robert Zare	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00 Check		Purchase gen	Andrew Cenci	04/04/2006	Robert
106	Supplier F	Robert Zare	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Robert
107	Supplier A	Michael Neipp	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Michael
108	Supplier B	Mariya Sergler	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Mariya
109	Supplier B	Mariya Sergler	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Mariya
110	Supplier A	Jan Kotas	24/03/2006	24/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Jan K
111	Supplier A	Andrew Cenci	31/03/2006	31/03/2006	Approved		\$0.00	\$0.00		\$0.00		Purchase gen	Andrew Cenci	04/04/2006	Andre
140	Supplier F		25/04/2006	25/04/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	25/04/2006	Andre
141	Supplier H		25/04/2006	25/04/2006	Approved		\$0.00	\$0.00		\$0.00			Andrew Cenci	25/04/2006	Andre
142	Supplier H		25/04/2006	25/04/2006	Approved		\$0.00	\$0.00		\$0.00 Check			Andrew Cenci	25/04/2006	Andre
146	Supplier B	Andrew Cenci	26/04/2006	26/04/2006	Submitted		\$0.00	\$0.00		\$0.00					Andre
147	Supplier G	Andrew Cenci	26/04/2006	26/04/2006	Submitted		\$0.00	\$0.00		\$0.00					Andre
148	Supplier E	Andrew Cenci	26/04/2006	26/04/2006	Submitted		\$0.00	\$0.00		\$0.00					Andre
149	Supplier J		27/10/2014	27/10/2014	Submitted	12/05/2014	\$0.00	\$0.00		\$0.00					0

Table 4 Purchase Orders

Suppliers table stores who we have as suppliers.

	ID	Company	Last Name	First Name	E-mail Address	Job Title
+	1	Supplier A	Andersen	Elizabeth A.		Sales Manager
+	2	Supplier B	Weiler	Cornelia		Sales Manager
+	3	Supplier C	Kelley	Madeleine		Sales Representative
+	4	Supplier D	Sato	Naoki		Marketing Manager
+	5	Supplier E	Hernandez-Ec	Amaya		Sales Manager
+	6	Supplier F	Hayakawa	Satomi		Marketing Assistant
+	7	Supplier G	Glasson	Stuart		Marketing Manager
+	8	Supplier H	Dunton	Bryn Paul		Sales Representative
+	9	Supplier I	Sandberg	Mikael		Sales Manager
+	10	Supplier J	Sousa	Luis		Sales Manager
*	(New)					

Table 5 Suppliers

To implement this system it would require all the tables to have a relationship similar to this

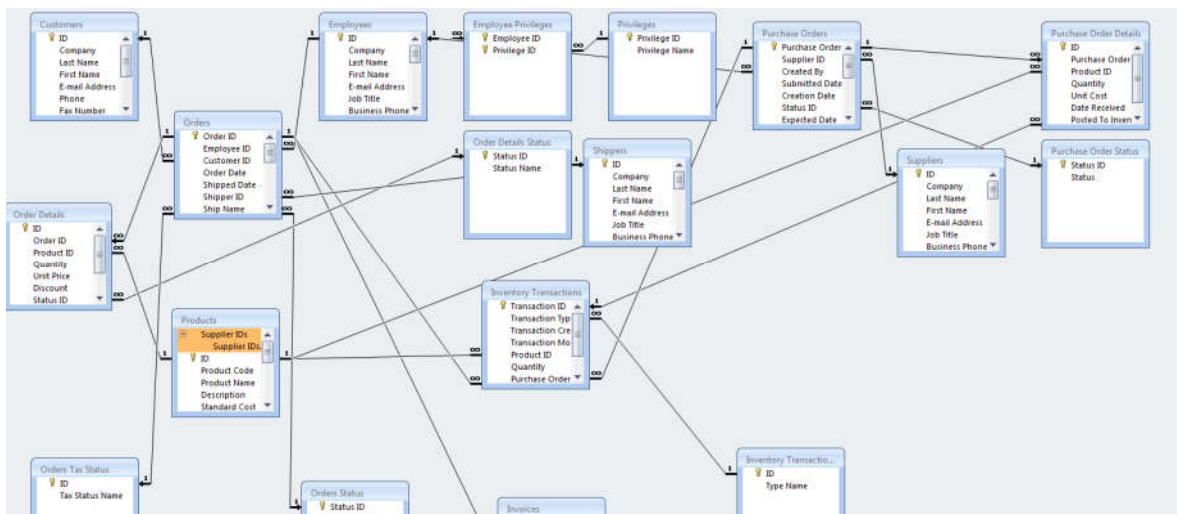


Figure 22 Relationships

Part 4

I would like to have a group meeting firstly with the owners Donald and Ellen Mackenzie and the ten questions I would ask them are as follows.

Survey

Donald and Ellen Mackenzie

1. On a scale of 1 (being the lowest) 10 (being the highest) how would you rate your current system.
2. Your entire system right now is paper based correct? Does your system have any technology readily available at the moment (computer, printers, software)?
3. Out of everything laid forth to you in the recommendation and proposed system changes is there anything in there you think wouldn't fit well in to the new system?
4. Who currently records all your orders and how are the files keep and stored? Do you not think that there is a more efficient way to do this?
5. What are the job titles and duties of your employees and daily responsibilities? Do you find this efficient in your day to day operations, could someone else be doing the job better?
6. If you could spend more time marketing your business to expand and draw in more clientele would you consider hiring someone to do your books and sale calculations?
7. What type of transactions is your business looking to process? Are you looking to venture on to the World Wide Web?
8. What type of information does the system need to store from customers and associates. Anything secure?
9. What inside resources will this project be utilizing? What outside resources will be necessary?
10. What risks do you foresee and are you willing to take them?
11. Have you determined a vision for the project?
12. What problem is this business having that you hope to solve by developing this project?

The next person I would like to interview are Donald and Ellen Mackenzie's three sons, and get a series of answers from the three of them.

John, Andrew and Cameron

- I. What daily operation under the current system gives you the most problems in every day operations of the Stitch It store?
- II. If you could make the same money and spend less hours here working what would be the most significant changes that would need to be made around the store.
- III. How are all of your sales recorded and stored? Do you not ever lose any this way? In a computer database you wouldn't have to worry about losing any orders. Would this make the operations day to day a lot easier?
- IV. What is the business doing at present to alleviate or solve the issue? What has been tried in the past?
- V. Who is the end user? What support will they have?
- VI. How would you rate the need for a new system in store to makes daily operations and everything run a lot smoother: low, medium or high?
- VII. What time costly manual procedures could we eliminate by implementing a revamped system for your company?
- VIII. What problem is this business having that you hope to solve by developing this project?
- IX. What kind of software do you think the business will require to help bring your business into the 21st century?

- X. What do you think we should implement first and what would be the biggest help to the daily operations of Stitch It?

Recommendation

The change from the slow paper system to a new computerized system would greatly ease the stress of resources of the business. The change to a computerized system will also allow Stitch It! to take on more orders though the internet and at greater efficiency.