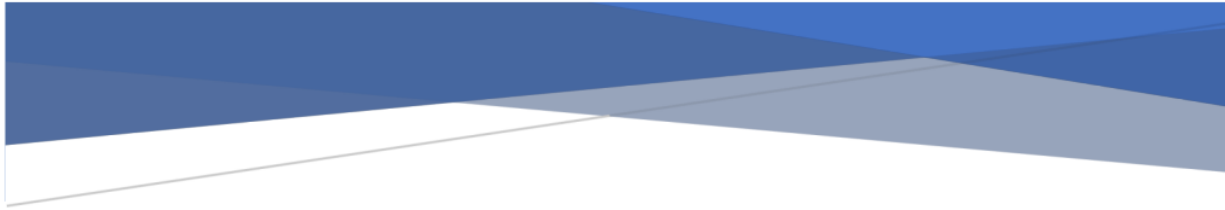


Database_Analysis_and_Design _1918576_Karen_Windsor

by Karen Anne Windsor

FILE	24482_KAREN_ANNE_WINDSOR_DATABASE_ANALYSIS_AND_DESIGN_1918576_KAREN_WINDSOR_348728_1669555421.DOCX (1.42M)		
TIME SUBMITTED	04-MAY-2021 07:44AM (UTC+0100)	WORD COUNT	1527
SUBMISSION ID	151519207	CHARACTER COUNT	7205



DATABASE ANALYSIS AND DESIGN

L4 BSc Introduction to Web and Database Concepts

“Celtic Caterers”

Abstract

This report documents the design and create of an Access Database for Celtic Caterers. To allow them to book events and plan what stock they need to order

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1. Introduction

After fact finding the user requirements for the Celtic Caterers are:

- i. A data base that can be used in all five of their locations:
 - Swansea
 - Neath
 - Port Talbot
 - Llanelli
 - Carmarthen
- ii. Output in the form of
 - Customer Invoice
 - Purchase Transactions record
 - Catering event diary
- iii. Stock purchasing forecast abilities (Low stock form)
- iv. Events scheduling system (events form)

I started the design by thinking about the key participants and the processes, (see appendix 12.1) I then went on to try and normalise the data I would be trying to save and enter. (see appendix 12.2)

I did use Peter Weverka book Office 365 for dummies [1] for clarification of some points when using Input Masks and sub forms.

I thought that forms in this database would look better if opened in an empty state so used the macro available on Software Solutions [2]

I have tried to use the naming format suggested in our lectures:

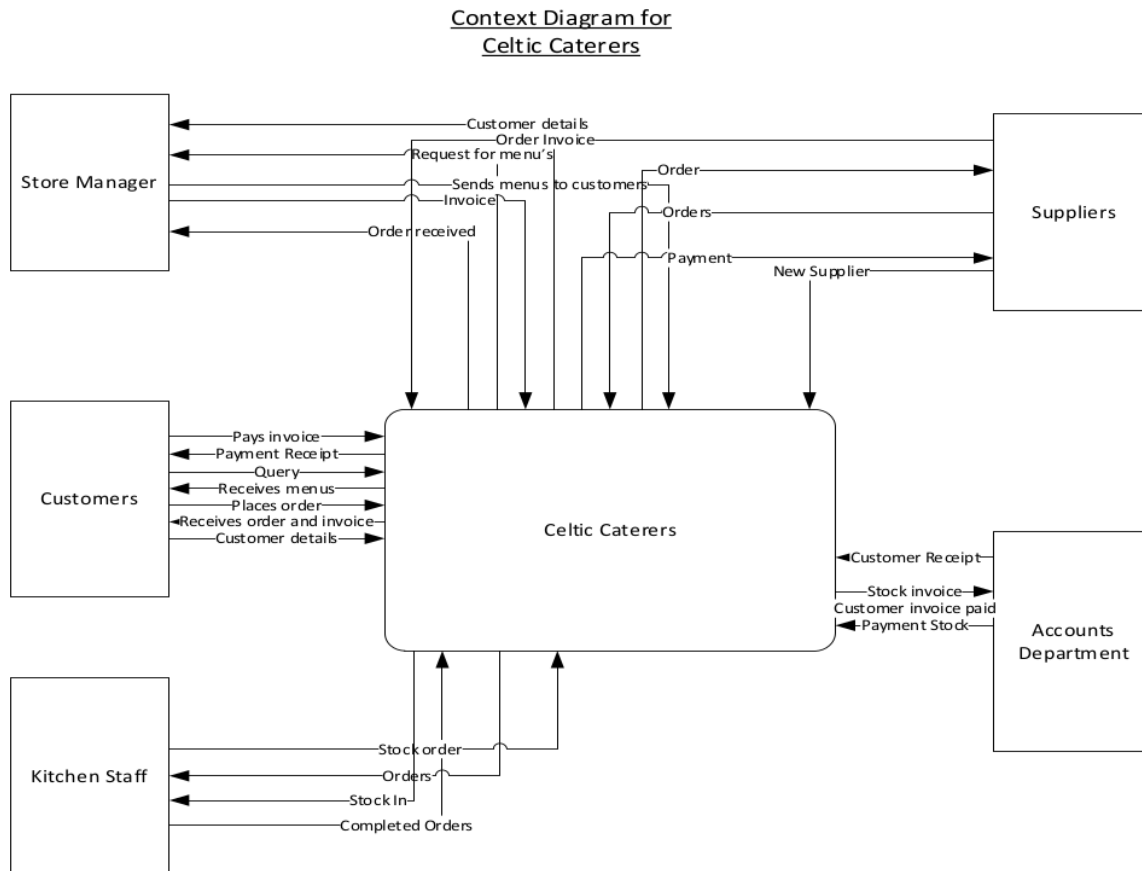
- i. Reports begin rpt
- ii. Forms begin frm
- iii. Tables begin table
- iv. Queries begin query, as I was unable to find a suitable abbreviation for these.

The database is form driven and should be simple to use but, in this report, I have added a brief explanation of each form above the required illustration of the form.

The forms are icon driven (see appendix 12.3) and they are consistently used throughout the database.

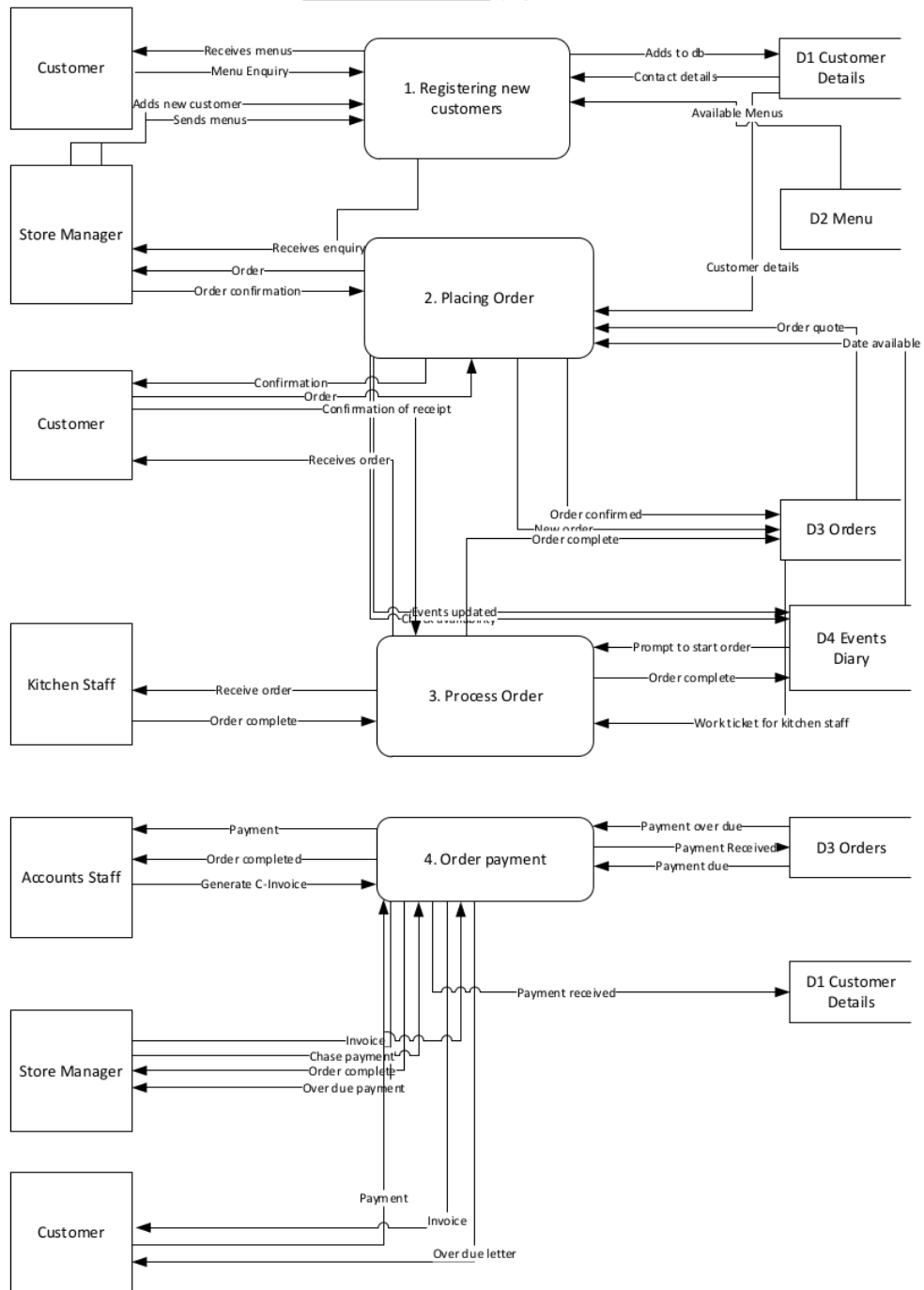
2. Context Diagram

This shows the relationships and data flow between the main participants.

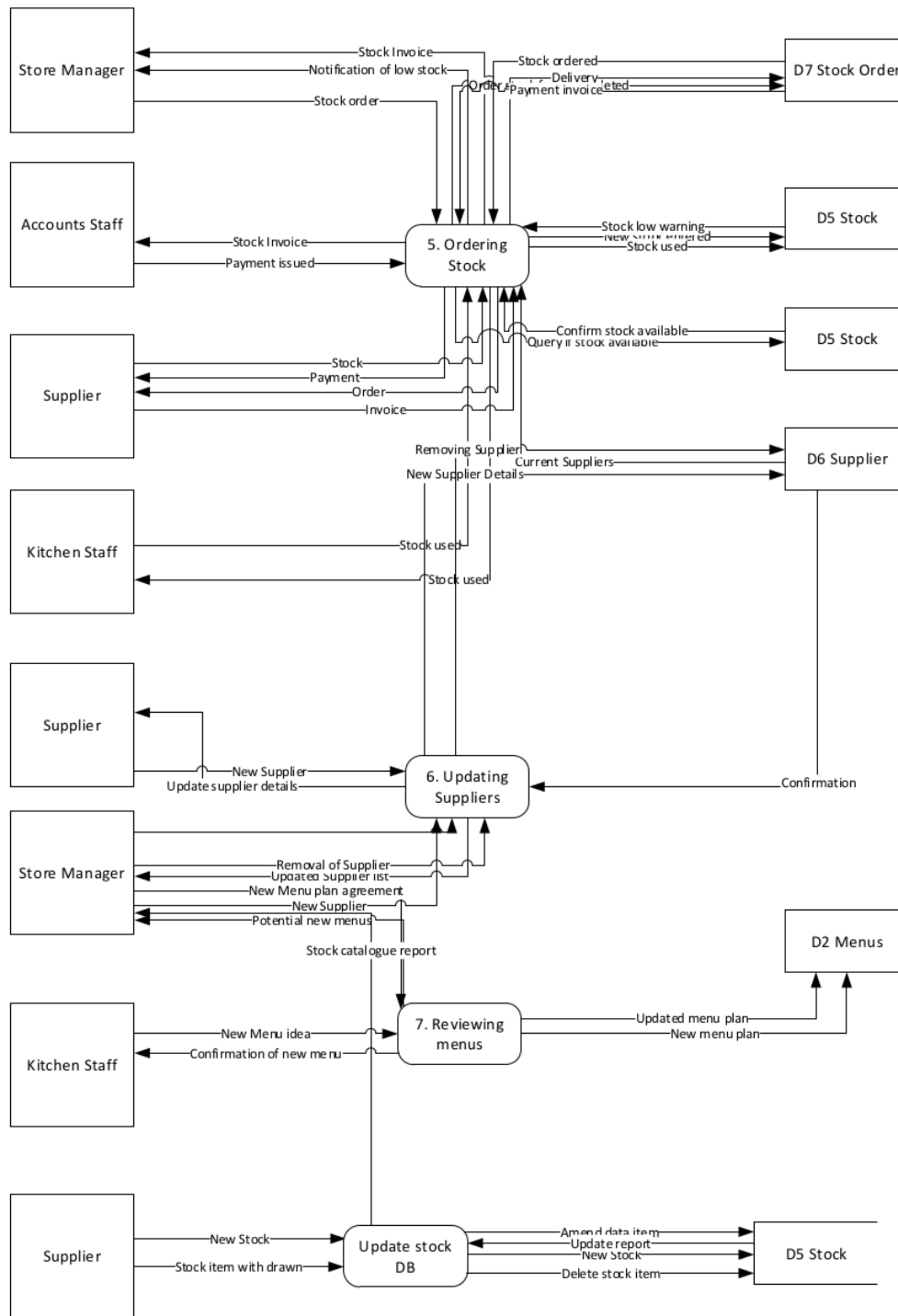


3. Level-0 Diagram

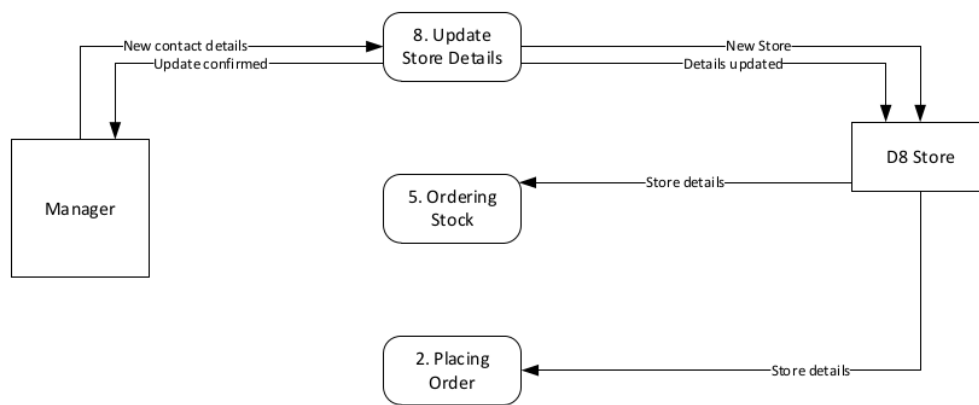
Level-0 Celtic Caterers (page 1)



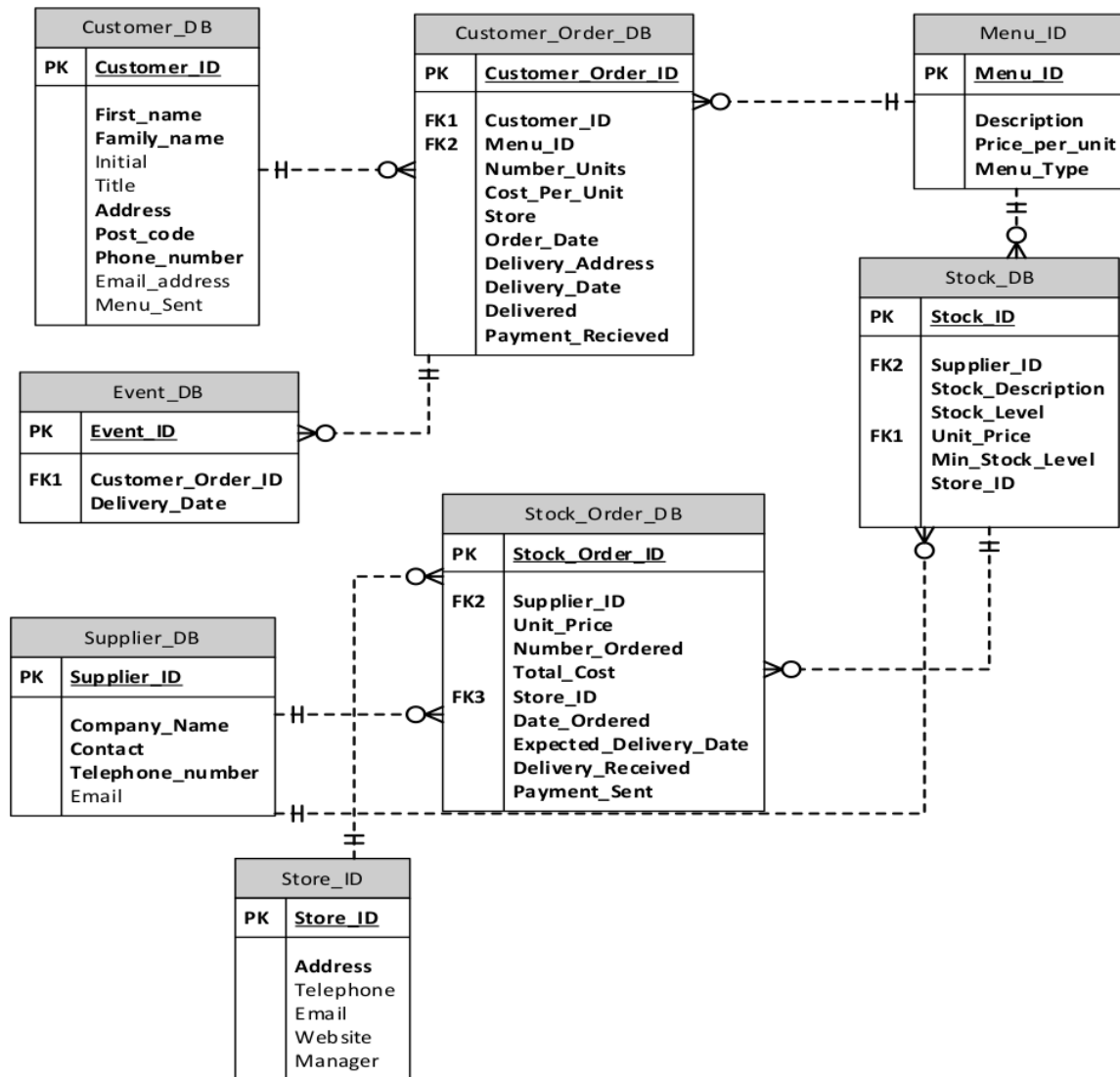
Level-0 Celtic Caterers (page 2)



Level-0 Celtic Caterers (page 3)

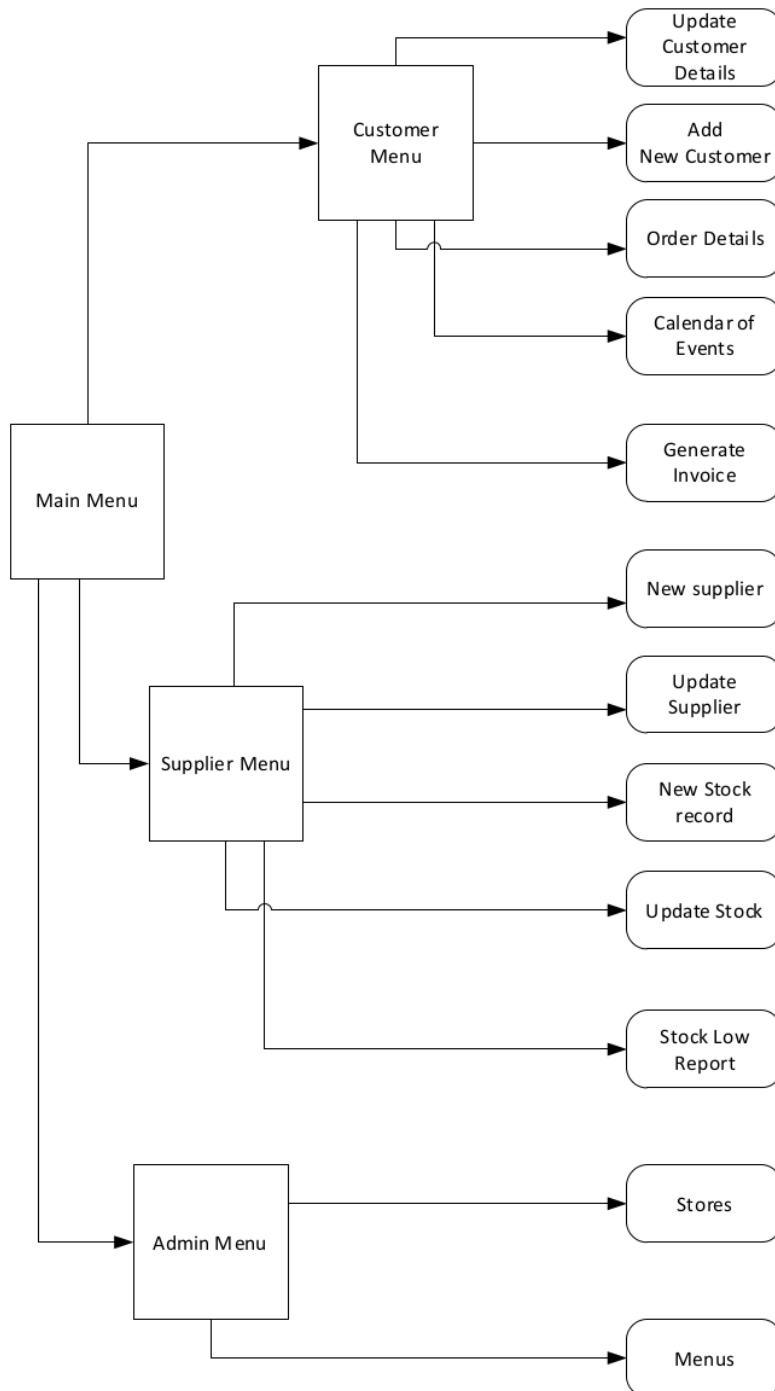


4 . ER Relationship



5. Site Menu Diagram

I was unsure how my database menu would link up, so I create this Menu Diagram within VISIO to show how I want it to look.



6. Reports

At the foot of all the report there is an ICON (see directly below) that returns the user back to the relevant menu.



6.1. Customer Orders Report

This report shows all the customer orders but can be filtered by those that have been completed using the "Delivered" column

An individual customer order prints out can be printed from the customer order form

Celtic Caterers Customer Order Report

Customer	Order_ID	Store	Menu_ID	No Units	Cost	Order_date	Order Cost	Delivery_date	Delivery_Address	Postcode	Delivered	Payment
CC0005	15	Port Talbot	Menu2	0	£0.00	26/04/2021	£0.00	30/04/2021	St Faggins	CF72 9RP	N	N
	13	Llanelli	Menu3	8	£4.25	23/04/2021	£34.00	30/04/2021	How Mill	CF72 9RP	N	Y
	14	Llanelli	Menu4	16	£4.25	26/04/2021	£68.00	30/04/2021	St Hilary	CF72 9RP	N	Y
	12	Carmarthen	Menu11	10	£8.25	23/04/2021	£82.50	28/04/2021	The unit 243	CF72 9RP	N	N
	19	Port Talbot	Menu10	56	£7.95	27/04/2021	£445.20	06/06/2021	Frog and Duck	CF11 2AC	N	N
CC0006	10	Swansea	Menu3	15	£4.25	23/04/2021	£63.75	10/05/2021	Trowbridge	CF72 9RP	N	Y
	20	Llanelli	Menu3	10	£4.25	27/04/2021	£42.50	23/07/2021	The Pudding Club		N	Y
CC8899	1	Carmarthen	Menu2	5	£4.25	23/04/2021	£21.25	24/05/2021	Ely	CF72 9RP	N	N
	8	Swansea	Menu10	16	£0.00	23/04/2021	£0.00	15/05/2021	Dilly House	CF72 9RP	N	N
	11	Llanelli	Menu10	46	£7.95	23/04/2021	£365.70	15/05/2021	The Fields	CF72 9RP	N	N
CC8923	4	Swansea	Menu11	5	£8.25	23/04/2021	£41.25	27/06/2021	The Tudors	CF11 897	N	N
	3	Swansea	Menu7	600	£12.25	23/04/2021	£7,350.00	26/06/2021	New Bridge	CF11 897	N	N
	6	Llanelli	Menu9	100	£8.80	23/04/2021	£880.00	12/08/2021	Dum Willow	CF11 897	N	N
	7	Port Talbot	Menu3	4	£4.25	23/04/2021	£17.00	03/07/2021	The office	CF11 897	N	N
	9	Swansea	Menu5	25	£4.25	23/04/2021	£106.25	07/08/2021	Duckington	CF11 897	N	N
	2	Port Talbot	Menu2	108	£3.95	23/04/2021	£426.60	03/05/2021	TGA	CF11 897	N	N
CC9000	5	Port Talbot	Menu6	78	£6.95	23/04/2021	£542.10	31/07/2021	Glouster house	CF11 897	N	N

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6.2. Events Calendar Report

This report shows all the events that have been booked. The stores can check their own availability. Availability is hard to gauge as the user requirements did not state how many staff are currently working at each site and what output each site is capable of, have left this up to the individual managers when booking as they will know what their stores are available of.

Calendar of Events

Events_ID	Customer_Order_ID	Customer_ID	Store_ID	Delivery_Date
22	4			
1	13	CC0005	Llanelli	23/04/2021
2	12	CC0005	Carmarthen	28/04/2021
3	14	CC0005	Llanelli	30/04/2021
4	15	CC0005	Port Talbot	30/04/2021
9	2	CC8923	Port Talbot	03/05/2021
5	10	CC0005	Swansea	10/05/2021
7	8	CC8899	Swansea	15/05/2021
8	11	CC8899	Llanelli	15/05/2021
6	1	CC8899	Carmarthen	24/05/2021
20	19	CC0006	Port Talbot	06/06/2021
10	3	CC8923	Swansea	26/06/2021
11	4	CC8923	Swansea	27/06/2021
13	7	CC8923	Llanelli	03/07/2021
21	20	CC0006	Llanelli	23/07/2021
15	5	CC9000	Swansea	31/07/2021
14	9	CC8923	Port Talbot	07/08/2021
12	6	CC8923	Llanelli	12/08/2021



29 April 2021

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6.3 Low Stock Report

I thought that Celtic Caterers would be interested to know what stock was below the low stock level

Low Stock Warning					
			29 April 2021 08:35:01		
Stock_ID	Supplier_ID	Stock_Description	Current_Stock_Level	Order	Store_ID
ST0005	SS003	Butter Beans 1KG	2	-1	Carmarthen
ST0003	SS001	King Charles Potatoes	10	0	Carmarthen
ST0001	SS001	King Charles Potatoes	9	-1	Carmarthen
ST0004	SS002	Sirloin Steak 1KG	1	0	Carmarthen
ST0007	SS003	Tinned Tomatoes 1KG	20	-1	Carmarthen
ST0002	SS001	Lettuce 10 KG	1	-1	Carmarthen
ST0006	SS003	Salad Dressing	5	0	Carmarthen
ST0002	SS001	Lettuce 10 KG	1	-1	Llanelli
ST0003	SS001	King Charles Potatoes	10	0	Llanelli
ST0004	SS002	Sirloin Steak 1KG	1	0	Llanelli

6.4 Stock Ordering Report

This report shows the current stock orders. Celtic Caterers can filter on the “Delivered” column to discover which stock is awaiting delivery.

Stock Ordered										
Order_ID	Stock_ID	Supplier_ID	Unit_Price	Number_Ordered	Total_Cost	Date_Ordered	Delivery_Date	Delivered	Payment_Sent	Store_ID
2	ST0002	SS002	£0.00	5	£0.00	28/04/2021	28/05/2021			Carmarthen
4	ST0004	SS002	£0.00	0	£0.00	28/04/2021	28/05/2021			Carmarthen
7	ST0004	SS002	£0.00	0	£0.00	28/04/2021	28/05/2021			Carmarthen
8	ST0004	SS002	£0.00	0	£0.00	28/04/2021	28/05/2021			Llanelli
9	ST0005	SS003	£0.00	0	£0.00	28/04/2021	28/05/2021			Carmarthen
10	ST0003	SS001	£0.00	0	£0.00	28/04/2021	28/05/2021			Llanelli
11	ST0001	SS001	£0.00	0	£0.00	28/04/2021	28/05/2021			
12	ST0004	SS002	£20.00	5	£100.00	28/04/2021	28/05/2021	N	N	Llanelli
13	ST0003	SS001	£0.00	0	£0.00	28/04/2021	28/05/2021			
14	ST0004	SS002	£0.00	0	£0.00	28/04/2021	28/05/2021			Llanelli
1	ST0002	SS001	£2.00	50	£100.00	25/04/2021	25/05/2021	N	Y	Carmarthen

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6.5 Current Stock Level Reports

This report shows the current stock levels at all the Celtic Caterers stores. The report can be filtered for each store using the “Store_ID” column.

Current Stock Levels Report						
Stock_ID	Supplier_ID	Store_ID	Stock_Description	Unit_Price	Stock_Level	Minimum_stock
ST0001	SS001	Carmarthen	King Charles Potatoes	£5.00	9	10
ST0007	SS003	Carmarthen	Tinned Tomatoes 1KG	£2.00	20	25
ST0002	SS001	Carmarthen	Lettuce 10 KG	£2.00	1	2
ST0003	SS001	Llanelli	King Charles Potatoes	£5.00	10	10
ST0006	SS003	Port Talbot	Salad Dressing	£5.00	5	4
ST0004	SS002	Port Talbot	Sirloin Steak 1KG	£20.00	1	1
ST0005	SS003	Swansea	Butter Beans 1KG	£10.00	2	5

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6.6 Unpaid Invoices Report

This report I have created so that the accounts department can send it out to chase payments. It filters on the 'Payment Received' data item, looking for when it is 'N'.

Customer Invoice

Customer Number	CC8923	Order Number	9
Home Address	Wonderland	Delivery Address	Duckington
	Alice@gmail.com	Delivery Date	07/08/2021
Family Name	Cheshire	Order Cost	£106.25
		Celtic Caterers	Swansea
		Accounts Manager	John Pickwick Accounts Department Mill Avenue Swansea Celtic_Caters_Accounts@aol.com 30 April 2021
Dear Alice			
There is an outstanding payment on your account in the value of £106.25, could you either send a cheque payment to the above address or a BAC Transfer to Account 7890876 Sort Code 78-90-76			
Yours Faithfully			
John Pickwick			

7. Forms

7.1 Main Menu Form

From this menu the user can toggle to the Customer/Supplier and Admin submenus



7.2 Customer Menu Form

From this menu the user can:

- i. Add a new customer's details to the database
- ii. Amend a current customer's details
- iii. Add a new customer's order
- iv. Amend a customer's order
- v. Add a new order date to the Calendar
- vi. Amend an event in the Calendar
- vii. Create the event Calendar Report
- viii. Create the Customer Order Report
- ix. Create the Unpaid Invoices Report
- x. Print the Unpaid Invoices Report
- xi. Return to the Main Menu

The screenshot shows a web application window titled "frm_CC_Customer_Menu". The main heading is "Customer Menu". Below the heading, there are several buttons arranged in a grid-like fashion. The buttons are: "Open New Customer Details Form", "Update Customer Details", "New Customer Orders", "Update Customer Order", "Calendar of Events", "Update Calendar of Events", "Calendar Events Report", "Customer Orders Report", "Unpaid Invoices Report", "Print Unpaid Invoices", and "Return to Main Menu". The "Return to Main Menu" button is highlighted in a darker shade of purple.

7.2.1 New Customer Details Form

In this form the user can:

- i. Add new customer details
- ii. Save the form into database
- iii. Print the customers details
- iv. Return to the Customer Menu

NEW Customer Details

Customer_ID

CC

First_Name

Family_Name

Initial

Title

Address

Postcode

Contact_phone_number

Contact_email

Menu_sent

7.2.2 Update Customer Details Form

This form allows the user to:

- i. Search for a customer using the customer ID
- ii. Update customer details
- iii. Save the new Customer details
- iv. Print the new details
- v. Delete the record
- vi. Toggle through the records
- vii. Return to the Customer Menu

Update Customer Details

Customer_ID

CC0001

?

First Name

Family Name

Initial

Title

Address

Postcode

Contact_phone_number

Contact_email

Menu_sent

Warning this will permanently delete record

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7.2.3 New Customer Orders Form

On this form the user can:

- i. Add a new customer order
- ii. Check that the order date is ok on the Events Calendar
- iii. Print the customer order
- iv. Automatically load Customer details so that they can check against the Customer ID – using the Customer Details. If they don't match the user can click on the search family name button. Which will open the search on family name form.
- v. Automatically open the Menu form which displays the menu description and the cost per unit
- vi. Once the cost per unit and the number ordered have been entered, the form automatically calculates the total cost.
- vii. The order date is automatically defaulted to today's date

The screenshot displays the 'Customer Order Form' interface. The form is divided into several sections:

- Customer Order Form Header:** Includes a title bar with a logo and the text 'Customer Order Form'.
- Customer Order Fields:** A list of input fields on the left side, including 'Customer_Order_ID', 'Customer_ID', 'Menu_ID', 'Number_of_units', 'Cost_per_unit', 'Order_date', 'Delivery_date', 'Delivery_Address', 'Total_cost_order', 'Store_ID', 'Delivered', and 'Payment_Received'.
- Customer Details Section:** A panel on the right containing fields for 'Customer_ID', 'First_Name', 'Family_Name', 'Address', and 'Postcode'. It also features a 'Search Family Name' button.
- Menu Section:** A panel at the bottom right with fields for 'Add Menu', 'Menu_Type', 'Description', and 'Cost_per_unit' (displayed as '£0.00').
- Navigation and Action Buttons:** A row of buttons at the bottom left includes 'Check Availability in Events', 'Add to Events Calendar After Saving', and 'Print Current Form'.

7.2.3.1 Search on Customers Family Name Form

This form allows the user to search for the customers details using their family name. I have added this to the database as there may be an incident where the customer forgets their ID. This form also allows the user to return to the new customer order form.

Search on Customers Family Name

Family_Name		?
Customer_ID		
First_Name		
Initial		
Title		
Address		
	Postcode	
Contact_phone_number		
Contact_email		



Return back to Customer Order Form

7.2.4 Update Customer Order Form

In this form the user can :

- i. Update the customer order
- ii. Save the new customer order
- iii. Delete the customer order
- iv. View the customer order for a query

Update Customer Order

Customer Order ID	1	
Customer_ID		
Menu ID		
Number of units	0	
Cost per unit	£0.00	
Order date	29/04/2021	
Total Cost Order		
Delivery date		
Delivery Address	 	Payment Received
	Postcode	Store ID
		Delivered

Warning this will permanently delete record

7.2.5 Events Calendar Report

In this form the user can add new event dates

UPDATE Calendar of Events

Customer_Order_ID		Search on Customer Order Number
Events_ID	(New)	
Customer_ID		
Store_ID		
Delivery_Date		

Warning this will permanently delete record

7.2.6 Update Events Calendar Form

This form allows the user to update the customer order date.

UPDATE Calendar of Events

Events_ID		v			
Customer_Order_ID		v			
Customer_ID		v			
Store_ID		v			
Delivery_Date					

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Warning this will permanently delete record

7.3 Supplier Menu

This menu allows the user to:

- i. Add new supplier
- ii. Update supplier detail
- iii. Add new stock
- iv. Update stock record
- v. Add new stock order form
- vi. Update the stock order
- vii. Print the low stock report
- viii. Print the total stock report
- ix. Print the stock order report
- x. Return to the main menu

The image shows a screenshot of a 'Supplier Menu' interface. At the top, there is a header bar with the text 'Supplier Menu' in a bold, black font. Below the header, the menu is displayed on a light pink background. It consists of several rectangular buttons with rounded corners, arranged in a grid-like fashion. The buttons are: 'New Supplier Form' (top left, dashed border), 'Update Supplier Details' (top right), 'New Stock Form' (second row left), 'Update Stock Record' (second row right), 'New Stock Order Form' (third row left), 'Update Stock Order Form' (third row right), 'Low Stock Report' (bottom left), 'Total Stock Report' (bottom right), 'Stock Order Report' (centered below the bottom row), and 'Return to Main Menu' (bottom center, darker pink button). All buttons have black text.

7.3.1 New Supplier Form

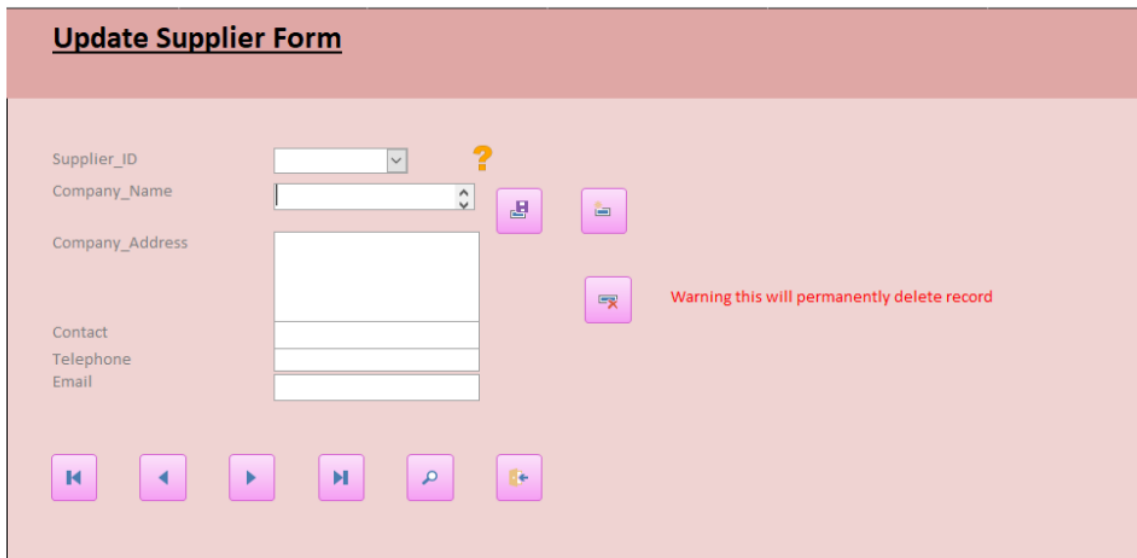
This allows the user to add new supplier details



The 'NEW Supplier Form' interface features a light red header with the title 'NEW Supplier Form' in bold black text. Below the header, the form is organized into a grid. On the left, labels for 'Supplier_ID', 'Company_Name', 'Company_Address', 'Contact', 'Telephone', and 'Email' are aligned with their respective input fields. 'Supplier_ID' is a dropdown menu, while the others are text boxes. To the right of the input fields are two pink square buttons: one with a document icon and another with a document and star icon. At the bottom of the form, there is a row of six pink square buttons containing navigation icons: a double left arrow, a single left arrow, a single right arrow, a double right arrow, a magnifying glass, and a document with a plus sign.

7.3.2 Update Supplier Form

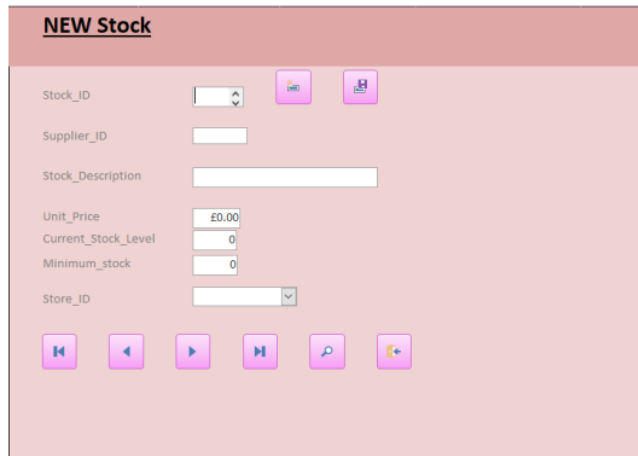
This allows the user to update/delete or search on the Supplier's details



The 'Update Supplier Form' interface has a light red header with the title 'Update Supplier Form' in bold black text. The form layout is similar to the 'NEW Supplier Form'. The 'Supplier_ID' dropdown menu is followed by a yellow question mark icon. The 'Company_Name' text box is followed by two pink square buttons: one with a document icon and another with a document and star icon. The 'Company_Address' text box is followed by a pink square button with a document and X icon, and a red warning message: 'Warning this will permanently delete record'. The 'Contact', 'Telephone', and 'Email' labels are aligned with their respective text boxes. At the bottom, there is a row of six pink square buttons with navigation icons: a double left arrow, a single left arrow, a single right arrow, a double right arrow, a magnifying glass, and a document with a plus sign.

7.3.3 New Stock Form

This allows the user to add a new stock type to the database



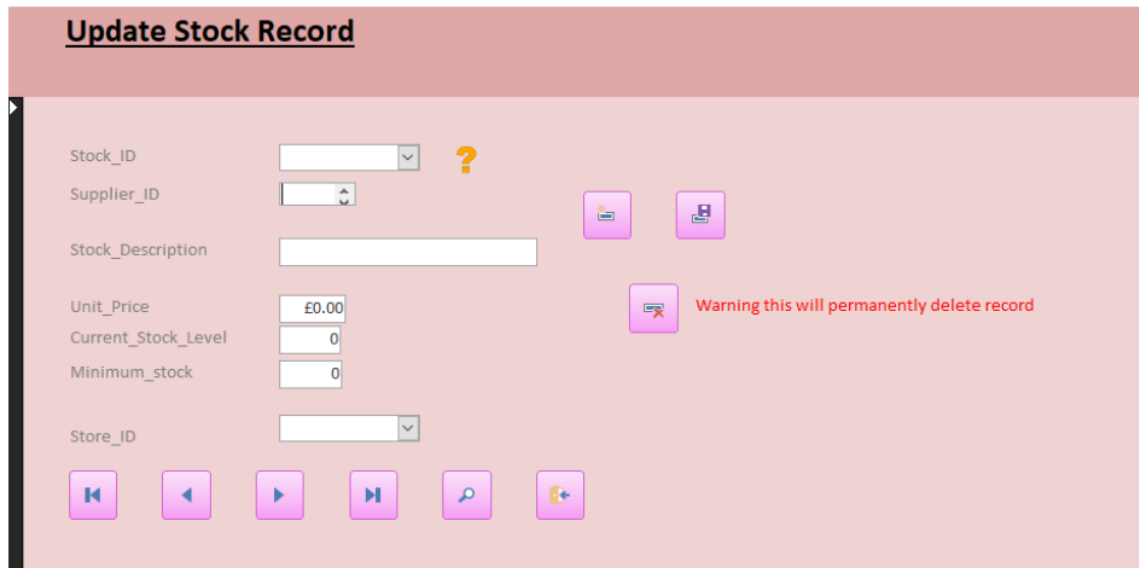
The screenshot shows a form titled "NEW Stock" with a light red header. The form contains the following fields and controls:

- Stock_ID**: A dropdown menu with a small icon to its right.
- Supplier_ID**: A text input field.
- Stock_Description**: A text input field.
- Unit_Price**: A text input field containing "£0.00".
- Current_Stock_Level**: A text input field containing "0".
- Minimum_stock**: A text input field containing "0".
- Store_ID**: A dropdown menu.

At the bottom of the form, there is a row of six navigation buttons: a double left arrow, a single left arrow, a single right arrow, a double right arrow, a magnifying glass (search), and a plus sign (add).

7.3.4 Update Stock Form

This allows the user to update the stock once items are used or orders received. It also allows the user to detail stock if item is withdrawn or not needed in the future.



The screenshot shows a form titled "Update Stock Record" with a light red header. The form contains the following fields and controls:

- Stock_ID**: A dropdown menu with a small icon to its right and a yellow question mark icon.
- Supplier_ID**: A dropdown menu.
- Stock_Description**: A text input field.
- Unit_Price**: A text input field containing "£0.00".
- Current_Stock_Level**: A text input field containing "0".
- Minimum_stock**: A text input field containing "0".
- Store_ID**: A dropdown menu.

At the bottom of the form, there is a row of six navigation buttons: a double left arrow, a single left arrow, a single right arrow, a double right arrow, a magnifying glass (search), and a plus sign (add).

On the right side of the form, there are two icons: a document with a plus sign and a document with a minus sign. Below these icons, there is a red warning message: "Warning this will permanently delete record".

7.3.5 Stock Order Form

This allows the user to order stock – It loads the stock record table so that it automatically loads the stock details and calculates the total cost of the order.

The **Stock Order Form** interface features a left-hand sidebar with input fields for: Stock_Order_ID (with a 'New!' button), Store Ordering, Stock_ID, Supplier_ID, Unit_Price, Number Ordered, Total Cost, Date Ordered, Expected Delivery Date, Delivery Received, and Payment Sent. To the right, the **STOCK DETAILS** table is displayed with columns: Stock_ID, Supplier_ID, Stock_Description, Unit_Price, and an empty column. The first row shows a Unit_Price of £0.00. Below the table is a pagination bar indicating 'Record 11 of 1' and a search field. At the bottom of the form are several navigation icons.

7.3.6 Update Stock Order Form

This allows the user to update the stock order/delete stock order or search on the order

The **Update Stock Order Form** interface includes a left-hand sidebar with input fields for: Stock_Order ID (with a dropdown showing '1' and a question mark icon), Store Ordering, Stock_ID, Supplier ID, Unit Price (displaying £0.00), Number Ordered (displaying 0), Total Cost, Date Ordered (displaying 29/04/2021), Expected Delivery Date, Delivery Received, and Payment Sent. To the right of these fields are icons for update, delete, and a warning message: 'Warning this will permanently delete record'. At the bottom are navigation icons.

7.4 Admin Menu

This menu allows user to update their menus and stores

The **Admin Menu** interface is a simple layout with two buttons: 'Menus' and 'Stores'. Below these buttons is a 'Return to Main Menu' button.

7.4.1 Menus Form

This allows the store manager to update or replace the menus on offer by Celtic Caterers.

The screenshot shows the 'Menu' form interface. At the top, there's a header bar with the title 'Menu'. Below it, the form is divided into two main sections: 'Add Menu' and 'Update Menu'. The 'Add Menu' section contains input fields for 'Menu_Type', 'Description', and 'Cost_per_unit' (which is pre-filled with '£0.00'). There are also buttons for 'Add' and 'Get'. The 'Update Menu' section has a dropdown menu for selecting a menu to update. Below these sections, there are several navigation buttons (back, forward, search, etc.) and a warning message: 'Warning this will permanently delete record'.

7.4.2 Stores Form

This allows the Store manager to update the stores information:

- i. Store manager
- ii. Phone number
- iii. Address
- iv. Email

Or add a new store

The screenshot shows the 'Stores' form interface. At the top, there's a header bar with the title 'Stores'. Below it, the form is divided into two main sections: 'ADD New Store' and 'Update Store Details'. The 'ADD New Store' section contains input fields for 'Store ID', 'Store Manager', 'Store Address', 'Telephone', and 'Email'. The 'Update Store Details' section has a dropdown menu for selecting a store to update. Below these sections, there are several navigation buttons (back, forward, search, etc.) and a warning message: 'Warning this will permanently delete record'.

8. Queries

8.1 Low Stock Query

Low stock query to feed into the low stock report

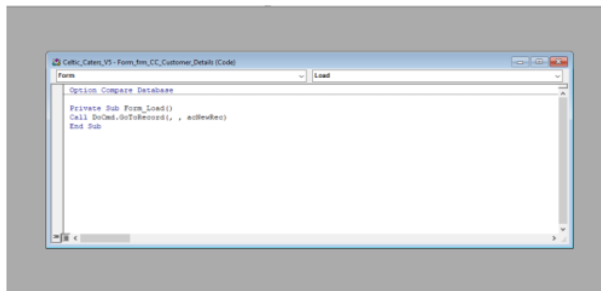
Stock_ID ▾	Suppli ▾	Stock_Description ▾	Current_Sto ▾	Expr1 ▾	Store_ID ▾
ST0002	SS001	Lettuce 10 KG	1	-1	Carmarthen
ST0002	SS001	Lettuce 10 KG	1	-1	Llanelli
ST0002	SS001	Lettuce 10 KG	1	-1	Swansea
ST0002	SS001	Lettuce 10 KG	1	-1	Port Talbot
ST0003	SS001	King Charles Potatoes	10	0	Carmarthen
ST0003	SS001	King Charles Potatoes	10	0	Llanelli
ST0003	SS001	King Charles Potatoes	10	0	Swansea
ST0003	SS001	King Charles Potatoes	10	0	Port Talbot
ST0004	SS002	Sirloin Steak 1KG	1	0	Carmarthen
ST0004	SS002	Sirloin Steak 1KG	1	0	Llanelli
ST0004	SS002	Sirloin Steak 1KG	1	0	Swansea
ST0004	SS002	Sirloin Steak 1KG	1	0	Port Talbot
ST0005	SS003	Butter Beans 1KG	2	-1	Carmarthen
ST0005	SS003	Butter Beans 1KG	2	-1	Llanelli
ST0005	SS003	Butter Beans 1KG	2	-1	Swansea
ST0005	SS003	Butter Beans 1KG	2	-1	Port Talbot
ST0006	SS003	Salad Dressing	5	0	Carmarthen
ST0006	SS003	Salad Dressing	5	0	Llanelli
ST0006	SS003	Salad Dressing	5	0	Swansea
ST0006	SS003	Salad Dressing	5	0	Port Talbot
ST0007	SS003	Tinned Tomatoes 1KG	20	-1	Carmarthen
ST0007	SS003	Tinned Tomatoes 1KG	20	-1	Llanelli
ST0007	SS003	Tinned Tomatoes 1KG	20	-1	Swansea
ST0007	SS003	Tinned Tomatoes 1KG	20	-1	Port Talbot
ST0001	SS001	King Charles Potatoes	9	-1	Carmarthen
ST0001	SS001	King Charles Potatoes	9	-1	Llanelli
ST0001	SS001	King Charles Potatoes	9	-1	Swansea
ST0001	SS001	King Charles Potatoes	9	-1	Port Talbot

8.2 Unpaid Invoices Query

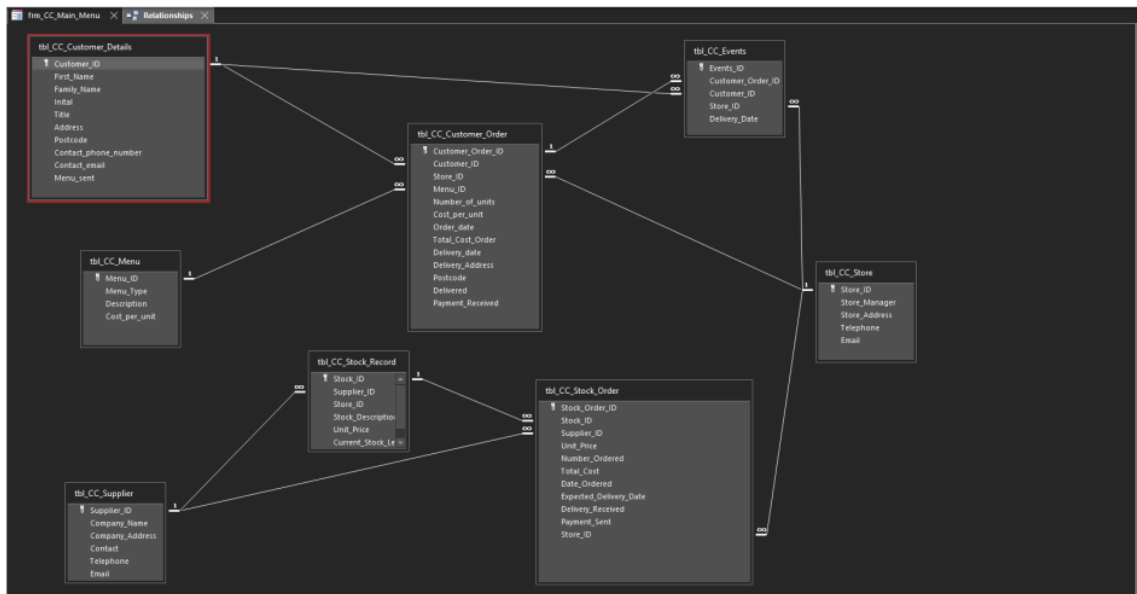
This query feeds into the Unpaid Invoices Report

9. Macros

I wrote 1 macro for this database – it allows the forms to be open in an empty setting



10. Database Relationships



11. References

- [1] P. Weverka, Microsoft Officer 365 for dummies, Hoboken: John Wiley & Sons Inc, 2019, pp. 489 - 567.
- [2] Azurous, "Open blank form when database is opened," Software Solutions, 15th August 2015. [Online]. Available: <https://software-solutions-online.com/open-blank-form-when-database-is-opened-access-vba/>. [Accessed 29th April 2021].

12. Appendices

12.1 Processes



Process_DB_assignment.xlsx

12.2 Normalising of data



Data_Items_Assignment_1.xlsx

12.3 Database Icons



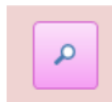
New record



Save Record



Print Record



Search



Return to previous Menu

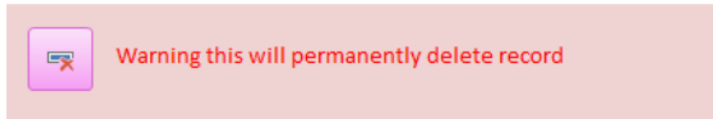


First

Previous

Next

Last (Records)



Delete record with a warning

Database_Analysis_and_Design_1918576_Karen_Windsor

GRADEMARK REPORT

FINAL GRADE

/100

GENERAL COMMENTS

Instructor

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