

Martha's Mazing Catering

Logical Database Design Specification



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1 INTRODUCTION

1.1 Purpose

The purpose of the Martha's 'Mazin Catering database is to maintain data regarding the catering business to generate and supply information that supports staff and management in their client services.

1.2 Scope

Mission Objective: Maintain data for easy information retrieval.

Problem Statement: Martha's catering has inefficient documentation through physical paperwork and spreadsheets. This makes it difficult or impossible to filter and sort the data and track events and staff.

1.3 Background

<Summary of current situation – approach and shortfalls>

1.5 Assumptions and Constraints

1.5.1 Assumptions

1.5.2 Constraints

2 FUNCTIONAL REQUIREMENTS

2.0 Stakeholders

- Martha (Business Owner)
- Betty Booker (Event Coordinator)
- Cherrie (Food Coordinator)

2.1 End User Job Roles

- Martha: Owner/Operator/Chef.
- Betty: Event Coordinator.
- Cherrie: Food Coordinator.
- Employees: General Staff. Two full time employees, additional part time employees and growing.

2.2 Data Input Activities by Job Roles

- Owner : Input for all business units.

- Event Coordinator: Inputs all customer, location, theme, suppliers, equipment, menu and event scheduling information.
- Food Coordinator: Inputs menu items.
- General Staff: Input information for their specific job role or event.

2.3 Data Reporting Activities by Job Roles

- Owner :
 - AdHoc view of all menu items, location, events, theme, employees, suppliers, equipment and customers.
 - Past event information pertaining to location
 - Returning customer information
 - Previous event at the same location
 - Event detail
 - Menu items with dietary restrictions for customer
 - Cost per guest for each menu item
 - Employees scheduled at event location
 - Supplies needed for event per location
- Event Coordinator:
 - Past event information pertaining to location
 - Returning customer information
 - Previous event at the same location
 - Event detail
 - Menu items with dietary restrictions for customer
 - Cost per guest for each menu item
 - Employees scheduled at event location
 - Supplies needed for event per location
- Food Coordinator:
 - Event detail
 - Menu items with dietary restrictions for customer
 - Cost per guest for each menu item
- General Staff: Input information for their specific job role or event.
 - Event detail
 - Menu items with dietary restrictions for customer

2.4 System Interaction / Integration Requirements

2.5 Existing Database(s)

- Excel Spreadsheet
- Notebook

2.6 System out of Scope

- Accounting and payroll system

3 NON-FUNCTIONAL REQUIREMENTS

3.0 System-up Time

- 24/7, 365 days

3.1 Number of Concurrent Users by Job Role and Activity

- 5 (Owner, Food Coordinator, Event Coordinator, 2 Full Time Employees)

3.2 Query and Data Extract Performance Expectations

- ??Please clarify??

3.3 Deployment Locations

- Non-mobile (Owner's office)

3.4 Security and Privacy

- Customer information needs to stay secure
- Employee information

3.5 Data Volumes and Growth Expectations

- To double in size within the next calendar year

3.6 Data Retention

- Store for 7 years and then archive.

3.7 Data Standard Requirements

- Standard input throughout database

4 LOGICAL DATABASE DESIGN

4.0 Table List

Table Name	Table Type	Table Description
Customers	Main Table	The current or past customer of the catering company. This information will allow the company to reference customer information and is necessary for referencing historic information to the customer.
Events	Main Table	Events information is vital to Martha's as it allows us to maintain event details for each event. This will ensure we are prepared for what is needed at each event and to be able to reference past event information.

Menu Items	Main Table	This information will allow for referencing what menu items have been used for events for future reference.
Locations	Main Table	The details of the physical space the event is being held at. This information will allow for reference of past and for future events.
Themes	Validation Table	The topic of the event that is being hosted. Describes the type of event that is being catered. This is necessary for the business to be able to categorized their events based on the theme.
Dietary Categories	Validation Table	What food restrictions are needed by the customer. This is necessary for event menus that have allergies or other restrictions.
Employees	Main Table	The employee table is essential to keeping track of employee information to allow quick access to facilitate staffing needs.
Supplies	Validation Table	Information of supplies that are owned by the catering company. This information will allow for visibility of what supplies are available internally to the company.
Customer Dietary	Linking Table	Links the Customers and Dietary Categories tables to make a many to many relationship. Needed for searching updating information.
Menu Item Dietary	Linking Table	Links the Menu Items and Dietary Categories tables for a many to many relationship. Needed for searching updating information.
Event Menu Items	Linking Table	Links the Events and Menu Items tables together for a many to many relationship. Needed for searching updating information.
Customer Supplies	Linking Table	Links the Customer and Supplies tables together for a many to many relationship. Needed for searching updating information.
Event Supplies	Linking	Links the Events and Supplies tables together for a many to many relationship. Needed for searching updating information.
Event Employees	Linking	Links the Events and Employees tables together for a many to many relationship. Needed for searching updating information.

4.1 Table Structure Sheets

<Customers>

Field Name	Key	Data Type	Length	Format	NULL	Default Value	Valid Values	Description / Valid Values
Customer_ID	PK	Exact Number	6	000000	NO	AutoNumber		A unique identifier for the individual customer.
Customer_First_Name		Alphanumeric	50		Yes	None	A-Z Special Characters Numbers	First Name of the customer attached to the Customer ID.
Customer_Last_Name		Alphanumeric	50		Yes	None	A-Z Special Characters Numbers	Last Name of the customer attached to the Customer ID.
Customer_Cell_Number		Numeric	12		Yes	None	0-9	Customer cell number attached to customer ID
Customer_Email_Address		Alphanumeric	50		Yes	None	A-Z Special Characters Numbers	Customer email address attached to customer ID
Customer_Home_Number		Numeric	12		Yes	None	0-9	Customer home number attached to customer ID
Customer_ADA_Requirement		Character	1	Yes or No	Yes	None	Yes-No	Customer ADA information / requirements.
Contract_Signed		Character	1	Yes or No	Yes	None	Yes-No	Customer signed contract, yes or no.
Customer_Dietary_Restrictions		Alphanumeric	25		Yes	None	A-Z Special Characters Numbers	Customer dietary restrictions information.

<Events>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Event_ID	PK	Exact Number	6	000000	NO	Autonumber		A unique identifier for Events.
Customer_ID	FK	Exact Number	6	000000	NO			A reference to the customer identified to the event.
Event_Start_Time		numeric	8	00:00:00	Yes	None	00:00:00	Event start time information.
Event_End_Time		numeric	8	00:00:00	Yes	None	00:00:00	Event end time information.
Event_End_Date		Alphanumeric	10	MM/DD/YYYY	Yes	None	MM/DD/YYYY	Event end date information.
Event_Start_Date		Alphanumeric	10	MM/DD/YYYY	Yes	None	MM/DD/YYYY	Event start date information.
Event_Number_of_Guests		Numeric	5	0-99999	Yes	None	0-99999	Quantity of quests at an event.
Theme_ID	FK	Exact Number	6	000000	Yes	None		A reference for the theme of the event.
Event_Setup_Time		numeric	2	0-9	Yes	None	0-9	Information on the time that it takes to set up an event.
Location_ID	FK	numeric	6	0-9	Yes	None	0-9	A reference for the location of the event.
Event_Breakdown_Time		numeric	6	0-9	Yes	None	0-9	Information on the time that it takes to breakdown up an event.

<Locations>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Location ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	
Location address		Alphanumeric	50	A-Z	Yes	None	A-Z	
Location city		Alphanumeric	50	A-Z	Yes	None	A-Z	
Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Location state		Alphanumeric	50	A-Z	Yes	None	A-Z	

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Location zip		numeric	5	0-9	Yes	None	0-9	
Location phone		numeric	12	0-9	Yes	None	0-9	
Location maximum capacity		numeric	5	0-9	Yes	None	0-9	
Location on-site staff needed		numeric	2	0-9	Yes	None	0-9	
Location contact email address	CK	Alphanumeric	50	A-Z	Yes	None	A-Z	
Location contact phone	CK	numeric	12	0-9	Yes	None	0-9	
Location permits required	CK	BOOLEAN	1	Yes or No	Yes	None	Yes-no	
Location ADA	CK	BOOLEAN	1	Yes or No	Yes	None	Yes-no	

<Themes>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Theme ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	
Theme Type		Alphanumeric	25		No	None	0-9, a-z	

<Suppliers>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Supplier ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	
Supplier address		Alphanumeric	50	A-Z	Yes	None	A-Z	
Supplier cell number		numeric	12	0-9	Yes	None	0-9	
Supplier name		Alphanumeric	50	A-Z	Yes	None	A-Z	
Supplier email address		Alphanumeric	50	A-Z	Yes	None	A-Z	

<Menus>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Item ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	
Item Price		numeric	7	00000.00	No	00000.00	00000.00	
Item name		Alphanumeric	50	A-Z	No	None	A-Z	

<Employees>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
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Employee ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	
Employee city		Alphanumeric	50	A-Z	Yes	None	A-Z	
Employee state		Alphanumeric	50	A-Z	Yes	None	A-Z	
Employee zip code		numeric	5	0-9	Yes	None	0-9	
Employee email		Alphanumeric	50	A-Z	Yes	None	A-Z	
Employee first name		Alphanumeric	50	A-Z	Yes	None	A-Z	
Employee last name		Alphanumeric	50	A-Z	Yes	None	A-Z	
Employee phone		numeric	12	0-9	Yes	None	0-9	

<Equipment>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Equipment ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	
Equipment Type		Alphanumeric	25		No	None	0-9, a-z	

<Dietary Categories>

Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
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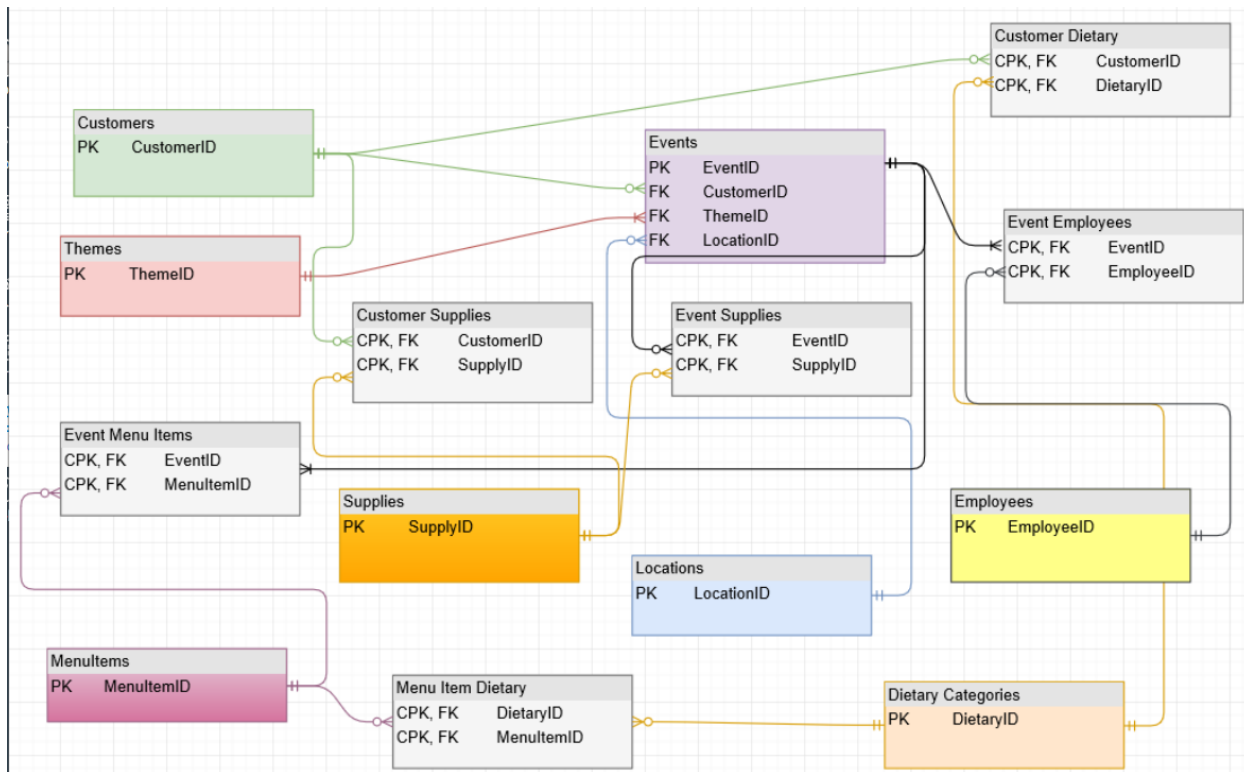
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Dietary item ID	PK	Exact Number	6	000000	NO	Autonumber	0-9	PK
Field Name	Key (1)	Data Type	Length	Format	NULL (2)	Default Value	Valid Values	Description (3)
Dietary Type		Alphanumeric	25		No	None	0-9, a-z	

4.2 Calculated Field List

Calculated Field	Source Field(s)	Formula
N/A		

4.3 Logical Data Model Diagram



4.4 Field Specifications

General Elements <ul style="list-style-type: none"> Field Name: Parent Table: Label: Shared By: Aliases: Description: Source Specifications:	Specification Type: <ul style="list-style-type: none"> <input type="checkbox"/> Unique <input type="checkbox"/> Generic <input type="checkbox"/> Replica
Physical Elements <ul style="list-style-type: none"> Data Type: Length: 	Character Support: <ul style="list-style-type: none"> <input type="checkbox"/> Letters (A-Z) <input type="checkbox"/> Numbers (0-9)

<ul style="list-style-type: none"> Decimal Places: Input Mask: Display Format:	<input type="checkbox"/> Keyboard (./,\$#%) <input type="checkbox"/> Special (©, ®, ™)
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Logical Elements Key Type: <input type="checkbox"/> Non <input type="checkbox"/> Primary Key Structure: <input type="checkbox"/> Foreign <input type="checkbox"/> Alternate <input type="checkbox"/> Simple <input type="checkbox"/> Composite Unique: <input type="checkbox"/> No <input type="checkbox"/> Yes Null Support: <input type="checkbox"/> Allowed <input type="checkbox"/> No Nulls Value Entered By: <input type="checkbox"/> User <input type="checkbox"/> System Required Value: <input type="checkbox"/> No <input type="checkbox"/> Yes Default Value: Range of Values:	Edit Rule: <input type="checkbox"/> Now, Allowed <input type="checkbox"/> Now, Not Allowed <input type="checkbox"/> Later, Allowed <input type="checkbox"/> Later, Not Allowed <input type="checkbox"/> Not Determined ATT
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Comparisons Allowed:			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >
<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Other Fields	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >
<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> =	<input type="checkbox"/> >
<input type="checkbox"/> >=	<input type="checkbox"/> ≠	<input type="checkbox"/> <	<input type="checkbox"/> <=

Operations Allowed:			
<input type="checkbox"/> Same Field	<input type="checkbox"/> All	<input type="checkbox"/> +	
<input type="checkbox"/> -	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation
<input type="checkbox"/> Other fields	<input type="checkbox"/> All	<input type="checkbox"/> +	
<input type="checkbox"/> -	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation
<input type="checkbox"/> Value Expression	<input type="checkbox"/> All	<input type="checkbox"/> +	
<input type="checkbox"/> -	<input type="checkbox"/> x	<input type="checkbox"/> ÷	<input type="checkbox"/> Concatenation

4.5 Business Rule Specifications

Rule #1

Rule Information				
Statement: Each Event Must have one and only one Customer.				
Constraint: An event cannot be added without a customer ID.				
Type	<input type="checkbox"/> Database Oriented <input checked="" type="checkbox"/> Application Oriented	Category <input checked="" type="checkbox"/> Field Specific <input type="checkbox"/> Relationship Specific	Test on	<input checked="" type="checkbox"/> Insert <input type="checkbox"/> Update <input type="checkbox"/> Delete

Structures Affected
Field Names: EventID, CustomerID
Table Names: Events, Customers

Field Elements Affected		
Physical Elements		
<input type="checkbox"/> Data Type	<input type="checkbox"/> Decimal Places	<input type="checkbox"/> Input Mask
<input type="checkbox"/> Length	<input type="checkbox"/> Character Support	<input type="checkbox"/> Display Format
Logical Elements		
<input type="checkbox"/> Key Type	<input type="checkbox"/> Values Entered By	<input type="checkbox"/> Comparisons Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Required Value	<input type="checkbox"/> Operations Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Default Value	<input type="checkbox"/> Edit Rule
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Range of Values	

Relationship Characteristics Affected		
<input type="checkbox"/> Deletion Rule	<input type="checkbox"/> Type of Participation	<input type="checkbox"/> Degree of Participation

Action Taken
The Event ID field cannot be added without a corresponding Customer ID.

Rule #2

Rule Information				
Statement: Each event has a location.				
Constraint: An event cannot be added without a location.				
Type	<input type="checkbox"/> Database Oriented <input checked="" type="checkbox"/> Application Oriented	Category	<input checked="" type="checkbox"/> Field Specific <input type="checkbox"/> Relationship Specific	Test on
				<input checked="" type="checkbox"/> Insert <input type="checkbox"/> Update <input type="checkbox"/> Delete

Structures Affected
Field Names: EventID, LocationID
Table Names: Events, Locations

Field Elements Affected
Physical Elements
<input type="checkbox"/> Data Type <input type="checkbox"/> Decimal Places <input type="checkbox"/> Input Mask
<input type="checkbox"/> Length <input type="checkbox"/> Character Support <input type="checkbox"/> Display Format
Logical Elements
<input type="checkbox"/> Key Type <input type="checkbox"/> Values Entered By <input type="checkbox"/> Comparisons Allowed
<input type="checkbox"/> Key Structure <input type="checkbox"/> Required Value <input type="checkbox"/> Operations Allowed
<input type="checkbox"/> Key Structure <input type="checkbox"/> Default Value <input type="checkbox"/> Edit Rule
<input type="checkbox"/> Key Structure <input type="checkbox"/> Range of Values

Relationship Characteristics Affected
<input type="checkbox"/> Deletion Rule <input type="checkbox"/> Type of Participation <input type="checkbox"/> Degree of Participation

Action Taken
The Event ID field cannot be added without a corresponding Location ID.

Rule #3

Rule Information				
Statement: Each event must have a theme.				
Constraint: For each event entered, the theme is a required field.				
Type	[X] Database Oriented [] Application Oriented	Category	[] Field Specific [X] Relationship Specific	Test on [] Insert [X] Update [] Delete

Structures Affected	
Field Names:	EventID, ThemeID
Table Names:	Events, Theme

Field Elements Affected		
Physical Elements		
<input type="checkbox"/> Data Type	<input type="checkbox"/> Decimal Places	<input type="checkbox"/> Input Mask
<input type="checkbox"/> Length	<input type="checkbox"/> Character Support	<input type="checkbox"/> Display Format
Logical Elements		
<input type="checkbox"/> Key Type	<input type="checkbox"/> Values Entered By	<input type="checkbox"/> Comparisons Allowed
<input type="checkbox"/> Key Structure	<input checked="" type="checkbox"/> Required Value	<input type="checkbox"/> Operations Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Default Value	<input type="checkbox"/> Edit Rule
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Range of Values	

Relationship Characteristics Affected		
<input type="checkbox"/> Deletion Rule	<input type="checkbox"/> Type of Participation	<input checked="" type="checkbox"/> Degree of Participation

Action Taken
Theme ID and Theme Type are required fields when a new event is created.

Rule #4

Rule Information					
Statement: Each event must have the employees assigned.					
Constraint: For each event entered, the employees assigned are a required field.					
Type	[X] Database Oriented [] Application Oriented	Category	[] Field Specific [X] Relationship Specific	Test on	[] Insert [X] Update [] Delete

Structures Affected	
Field Names:	EventID, EmployeeID
Table Names:	Events, Employees

Field Elements Affected		
Physical Elements		
<input type="checkbox"/> Data Type	<input type="checkbox"/> Decimal Places	<input type="checkbox"/> Input Mask
<input type="checkbox"/> Length	<input type="checkbox"/> Character Support	<input type="checkbox"/> Display Format
Logical Elements		
<input type="checkbox"/> Key Type	<input type="checkbox"/> Values Entered By	<input type="checkbox"/> Comparisons Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Required Value	<input type="checkbox"/> Operations Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Default Value	<input type="checkbox"/> Edit Rule
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Range of Values	

Relationship Characteristics Affected		
<input type="checkbox"/> Deletion Rule	<input type="checkbox"/> Type of Participation	<input checked="" type="checkbox"/> Degree of Participation

Action Taken
Employee ID is a required field when a new event is created.

Rule #5

Rule Information				
Statement: The event date fields must be in Month, Date, Year format (MM/DD/YYYY).				
Constraint: There needs to be standardization in the input of the date.				
Type	<input type="checkbox"/> Database Oriented <input checked="" type="checkbox"/> Application Oriented	Category	<input checked="" type="checkbox"/> Field Specific <input type="checkbox"/> Relationship Specific	Test on
				<input checked="" type="checkbox"/> Insert <input type="checkbox"/> Update <input type="checkbox"/> Delete

Structures Affected	
Field Names:	EventStartDate, EventEndDate
Table Names:	Events

Field Elements Affected		
Physical Elements		
<input type="checkbox"/> Data Type	<input type="checkbox"/> Decimal Places	<input checked="" type="checkbox"/> Input Mask
<input type="checkbox"/> Length	<input type="checkbox"/> Character Support	<input type="checkbox"/> Display Format
Logical Elements		
<input type="checkbox"/> Key Type	<input type="checkbox"/> Values Entered By	<input type="checkbox"/> Comparisons Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Required Value	<input type="checkbox"/> Operations Allowed
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Default Value	<input type="checkbox"/> Edit Rule
<input type="checkbox"/> Key Structure	<input type="checkbox"/> Range of Values	

Relationship Characteristics Affected		
<input type="checkbox"/> Deletion Rule	<input type="checkbox"/> Type of Participation	<input type="checkbox"/> Degree of Participation

Action Taken
The EventStartDate and EventEndDate fields will be in a standardized format through the input of a mask.

4.6 View Specifications

View #1

General Information		
Name: Menu Items Cost View	Type	<input checked="" type="checkbox"/> Data <input type="checkbox"/> Aggregate <input type="checkbox"/> Validation
Description: A view of the menu items, dietary categories and cost per item. Read –only.		

Base Tables:
Menu items and Dietary Categories

Calculated Field Expressions:	
Field Name	Expression

Filters	
Field Name	Condition
Menu Item Name	= "Fried Chicken"
Dietary Type	= "Vegan"
Menu Item Price	= "\$10.00"

View #2

General Information		
Name: Customer Events	Type	<input checked="" type="checkbox"/> Data <input type="checkbox"/> Aggregate <input type="checkbox"/> Validation
Description: Contains customer information, location, theme, date, time, number of guests, and menu items.		

Base Tables
Themes, Customers, Menu Items, Dietary Categories, Events and Locations.

Calculated Field Expressions	
Field Name	Expression
Customer Name	CustomerFirstName & "" & CustomerLastName
Location Address	LocationStreetAddress & "" & LocationCity & "" & LocationZip

Filters	
Field Name	Condition
Location Name	= "Elks Club"
Customer ADA Requirement	= "Yes"
LocationADA Requirement	= "Yes"
ThemeType	= "Birthday"
EventDate	= "07/14/2018"
EventStartTime	
EventEndTime	
EventNumberofGuests	
MenuItemName	

View #3

General Information			
Name: Customer Contracts Signed	Type	<input type="checkbox"/> Data <input type="checkbox"/> Aggregate <input checked="" type="checkbox"/> Validation	
Description: Yes / No of if the customer contract has been signed.			

Base Tables
Customer table

Calculated Field Expressions	
Field Name	Expression
Customer Name	CustomerFirstName & "" & CustomerLastName

Filters	
Field Name	Condition
CustomerPhone	
ContractSigned	

View #4

General Information		
Name: Supplies Needed View	Type	<input checked="" type="checkbox"/> Data <input type="checkbox"/> Aggregate <input type="checkbox"/> Validation
Description: What supplies are needed for an event.		

Base Tables
Event, Supplies, Locations, Theme and Customers

Calculated Field Expressions	
Field Name	Expression

Filters	
Field Name	Condition
EventDate	
SupplyItem	
LocationName	
ThemeType	
CustomerLastName	
CustomerFirstName	

View #5

General Information		
Name: Event Available for Employee View	Type	<input checked="" type="checkbox"/> Data <input type="checkbox"/> Aggregate <input type="checkbox"/> Validation
Description: View for employees to select available events to work or for Martha to assign employees to event.		

Base Tables
Employees, Events, Locations and Customers.

Calculated Field Expressions	
Field Name	Expression
Location Address	LocationStreetAddress & "" & LocationCity & "" & LocationZip
EventStartTime and EventEndTime	(EventEndTime – EventStartTime) + (EventSetupHours + EventBreakdownHours)

Filters	
Field Name	Condition
EmployeeName	
EventDate	
LocationName	

5 IMPLEMENTATION & DEPLOYMENT REQUIREMENTS

5.0 Data Conversion Requirements

steps needed for conversion of legacy data into the system aka notebook 😊

5.1 Hardware/Software Requirements

description of the hardware and software platforms needed to support the system.

5.2 Operational Requirements

describes business and how the system will run and communicate with employees.

5.2.1 Security and Privacy

The Security Section describes the need to control access to the data. This includes controlling who may view and alter application data.

5.2.2 Capacity

List the required capacities and expected volumes of data in business terms, growth trends or projections if available, provide them

5.2.3 Data Retention

Describe the length of time various forms of data must be retained and the requirements for its destruction.

5.2.4 Conventions/Standards

Describe system conventions and standards followed ie. Microsoft standards or Institute of Electrical and Electronics Engineers (IEEE)

6 TEST PLAN

6.0 Data Integrity Testing

Test Information:		Expected Result:
Business Rule:	The event must have one and only one customer.	
Scenario:	Create a new event. Enter a customer (Customer_First_Name, Customer_Last_Name). Enter new customer for the same event ID.	PASS PASS FAIL

Test Information:		Expected Result:
Business Rule:	Each event can have only one theme.	
Scenario:	Create a new event. Select a theme. Select one more theme.	PASS PASS FAIL

Test Information:		Expected Result:
Business Rule:	Each event must have an employee assigned.	
Scenario:	Create a new event. Assign an employee to an event. Create another new event. Assign the same employee to a different at the same date and time.	PASS PASS PASS FAIL

Test Information:		Expected Result:
Business Rule:	The Event_Start_Date field must be in Month, Date, Year format (MM/DD/YYYY).	
Scenario:	Create a new event. Enter a date in MM/DD/YYYY format. Enter a date in any other format. (test with DDMMYY).	PASS PASS FAIL

Test Information:		Expected Result:
Business Rule:	The Event_End_Date field must be in Month, Date, Year format (MM/DD/YYYY).	
Scenario:	Create a new event. Enter a date in MM/DD/YYYY format. Enter a date in any other format. (Test with DDMMYY).	PASS PASS FAIL

APPENDIX A – GLOSSARY