

Data Dictionary

Table: BookOrder

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
BookOrderNo	PK; Sequential book order number; order numbers start at 1000	smallint		Y					Y
VendorName	FK to Vendor table; vendor fills order	varchar	30						Y
OrderDate	Date of book order	date				GETDATE()	<= GETDATE()		
Status	Status of order delivery; confirmation of delivered or undelivered orders	varchar	6			'Open'	'Open' OR 'Closed'		

Table: BookOrderLine

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ISBN	CPK; FK to Cookbook table	char	17				LIKE '[0-9][09][0-9]-[0-9]-[0-9][0-9][0-9]-[0-9][0-9][0-9][0-9][0-9][0-9]		Y
BookOrderNo	CPK; FK to BookOrder table	smallint							Y
Quantity Ordered	Quantity of book included in order	smallint					>0		
ActualPrice	Price paid per book to fulfill order	smallmoney					>0.00		
Quantity Received	Quantity of book(s) actually supplied	smallint					>=0 AND <= Quantity Ordered	Y	

Table: ClassEnrollment

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ReferenceNo	CPK; FK to Class table	int							Y
ClientNo	CPK; FK to Client table	int							Y
AmountPaid	Amount paid for enrollment	smallmoney					>0.00	Y	
DateTime	Date/Time of client enrollment request	smalldatetime				GETDATE()	<=GETDATE()		

Table: Class

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ReferenceNo	PK; Unique sequential reference number; reference numbers begin at 10000	int		Y					Y
StartDate	Start date of class offering	date					>= GETDATE()		Y
CourseCode	FK to Course table; course that class represents	char	10						Y
RoomNo	FK to Classroom table; room that class is taught in	tinyint							
Instructor	FK to Instructor table; Class taught by instructor; synonym for EmployeeNo	smallint							

Table: Classroom

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
RoomNo	PK; Unique sequential room number	tinyint		Y					Y
Capacity	Classroom capacity (based on number of workstations)	tinyint					>0		
StoveType	Classroom stove type (Electric or Natural gas)	char	1				'E' OR 'N'		

Table: Client

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ClientNo	PK; Unique sequential client number; client numbers begin at 100000	int		Y					Y
FirstName	Client first name	varchar	20						
LastName	Client last name	varchar	30						Y
Street	Client street	varchar	30						
City	Client city	varchar	25			'River Ridge'			
State	Client state	char	2			'FL'	LIKE '[AZ][A-Z]'		
Zip	Client zip	char	5				LIKE '[0-9][0-9][0-9][0-9][09]'		
Phone	Client phone number	char	14				LIKE '([0-9][0-9][0-9]) [0-9][0-9][0-9][0-9][0-9][0-9]'	Y	
InitialDate	Date of clients first contact with LCI	date				GETDATE()	<= GETDATE()		Y

Table: CookbookAuthor

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ISBN	CPK; FK to Cookbook table	char	17				LIKE '[0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]'		Y
FirstName	CPK; Author First Name	varchar	20						Y
LastName	CPK; Author Last Name	varchar	30						Y

Table: Cookbook

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ISBN	PK; Unique book number; International Standard Book Number	char	17				LIKE '[0-9][09][0-9]-[0-9]-[0-9][0-9][0-9]-[0-9][0-9][0-9][0-9][0-9][0-9][0-9]'		Y
Title	Title of book	varchar	50						
Publisher	Publisher name	varchar	50						
ListPrice	Retail cost of cookbook	smallmoney					>= 0.00		
CourseCode	FK to Course table; course that uses cookbook	char	10		Y				Y
QtyOnHand	Quantity of cookbook in inventory	smallint					>= 0		

Table: Course

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
CourseCode	PK; Unique course code	char	10						Y
Name	Name of course	varchar	50		Y				Y
Length	Duration of course; measured in days starting and ending at the same time each day	tinyint				1	>0 AND <=5		
StoveType	Type of stove required for course (Electric, Natural gas or Doesn't matter)	char	1				'E' OR 'N' OR 'D'		
Fee	Fee charged for course	smallmoney					> 0.00		

Table: FoodItem

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
FoodName	PK; Unique food name	varchar	20						Y
Description	Food item description	varchar	100		Y				Y
UnitOfMeasure	Unit used to specify quantity required by course; Unit used for measurement of food item (oz, lb, ltr, etc.)	varchar	10						

Table: Instructor

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
EmployeeNo	PK; Unique sequential employee number (begin with 100)	smallint		Y					Y
FirstName	Employee first name	varchar	20						
LastName	Employee last name	varchar	30						Y
Street	Employee street	varchar	30						
City	Employee city	varchar	25			'River Ridge'			
State	Employee state	char	2			'FL'			
Zip	Employee zip	char	5				LIKE '[0-9][0-9][0-9][0-9][0-9]'		
Phone	Employee phone number	char	14				LIKE '([0-9][09] [0-9])[0-9][09] [0-9]-[0-9][09] [0-9][0-9]'	Y	
BirthDate	Employee date of birth; all LCI employees must be at least 21 years old	date					<= GETDATE() - (21*365.25)		
HireDate	Employee date of hire	date				GETDATE()	<= GETDATE()		

Table: InstructorQualification

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
EmployeeNo	CPK; FK to Instructor table	smallint							Y
CourseCode	CPK; FK to Course table	char	10						Y
QualificationDate	Date of qualification to teach course material in classes	date				GETDATE()	<=GETDATE()		

Table: MembershipType

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
MembershipCode	PK; Unique membership code(uses a single letter to represent membership types);Currently (P,A,S,M)	char	1						Y
Name	Name of membership type; Currently (Permanent, Annual, Semiannual, or Monthly)	varchar	15		Y				Y
Duration	Length of membership; measured in months	tinyint					>0		
DiscountPercentage	Discount applied to course fees; exclusive to members	decimal	(3,2)				>0.00 AND <1.00		
Price	Price of membership	smallmoney					>0.00		

Table: **MembershipPurchase**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
ClientNo	CPK; FK to Client table	int							Y
MembershipCode	CPK; FK to MembershipType table	char	1						Y
DateOfPurchase	CPK; Date of membership purchase	date				GETDATE()	<=GETDATE()		Y
AmountPaid	Payment amount made for membership at time of purchase	smallmoney					> 0.00		

Table: Prerequisite

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
CourseCode	CPK; FK to Course table	char	10						Y
Prerequisite	CPK; Prerequisite (based on course code); synonym for CourseCode	char	10						Y

Table: RequiredFood

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
FoodName	CPK; FK to FoodItem table	varchar	20						Y
CourseCode	CPK; FK to Course table	char	10						Y
Quantity	Amount of food item required by course	smallint					> 0		

Table: Vendor

Column Name	Description	Data Type	Size	Identity	Unique	Default	Check	Allow Nulls	Index
VendorName	PK; Unique vendor name	varchar	30						Y
Street	Vendor street	varchar	30						
City	Vendor city	varchar	25						
State	Vendor state	char	2				LIKE '[A-Z][A-Z]'		
Zip	Vendor zip	char	5				LIKE '[0-9][0-9][0-9][0-9][0-9]'		
Phone	Vendor phone number	char	14		Y		LIKE '([0-9][0-9][0-9]) [0-9][0-9][0-9][0-9][0-9]'		Y