



Louisiana

Community Marketplace

Carletria Wheeler

Sean O'Connell

Brad Johnston

Robert Firth

Brian Bell

LOUISIANA COMMUNITY
MARKETPLACE:
A Community Marketplace for
Louisiana Non-Profits

Carletria Wheeler
Sean O'Connell
Brad Johnston
Robert Firth
Brian Bell

PROJECT SUMMARY:

The Louisiana Community Marketplace (LCM) is an idea initiated by HOPE Ministries (HOPE) to create a virtual marketplace where nonprofit organizations can sell their products. The LCM website is split into three pieces: front-end, admin, and organization websites. The website used by consumers is the front-end. The front-end features a user sign-up/login process (using Facebook Connect), ability to buy products using a shopping cart, and a Paypal payment interface to name a few. The next level of access to the LCM is the organizational level. Here individual nonprofits can manage their products and content in order to customize their individual sections of the website. The third and widest level of access is the admin level. Only HOPE has access to this level of control which controls all aspects of the website. From an engineering perspective, LCM is a comprehensive software package designed to enable and manage all the expected features of a common online marketplace.

The LCM website was developed using ASP.Net and HTML in Microsoft Visual Studio 2008. The database was developed with Microsoft SQL Server 2005. Vault was used to manage source control issues. The database was hosted on an offsite server running Microsoft Server 2003

PROJECT STATEMENT:

The Title: A Community Marketplace for Louisiana Non-profits

The Project:

The “Louisiana Community Marketplace” website will help non-profit organizations endure through tough economic climates when public and private donations are at their lowest, by providing a common avenue for marketing commercial products and services. LACommunityMarketplace.com will consolidate non-profits’ across the state into a single location for (a) easier access to goods and services by donors and (b) providing broader commercial exposure of their products. However, the most important goal is to generate sustainable revenue for the client, HOPE.

The Problem:

In tough economic times like these, non-profits struggle to secure funding. A major factor is obscurity. A small non-profit may only be known to a small audience and may not have the resources available to advertise themselves to a larger audience. LACM will provide the location and audience to help small non-profits succeed. The client, HOPE, would like to solve this problem in a way that will solve their own funding issues by charging a fee small on all items sold.

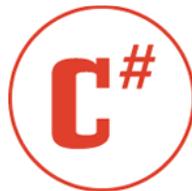
The Impact:

This project will impact both the people of various poverty stricken communities as well as the non– profit organizations that serve them. The site will accommodate several non-profit organizations throughout the state. They will be able to advertise and sell items as well as receive donations on the site. The HOPE Ministries will run the site and will therefore gain a percentage of all sales generated on the site from other organizations as well as their own. The people of the communities will benefit from this in the end because the funds are used to assist them in leading productive and successful lives.

The Motivation:

As human beings, we have sympathy and compassion for the unfortunate who are left homeless. We applaud the United Methodist HOPE Ministries and their work to help the poverty stricken people pick up the pieces and succeed. We believe it is our duty to assist them in their cause and feel that, as computer scientists, this is the most effective way we can help.

DEVELOPMENTAL TOOLS:



Microsoft Visual Studio 2008 Professional Edition:

Microsoft Visual Studio was engineered to support development projects that target the Web, Windows Vista, Windows Server 2008, the 2007 Microsoft Office system, SQL Server 2008, and Windows Mobile devices.

SQL Server 2008:

Microsoft SQL Server is a database platform for large-scale online transaction processing, data warehousing, and e-commerce applications; it is also a business intelligence platform for data integration, analysis, and reporting solutions.

Code rendered in C# and .Net:

C# is a programming language developed by Microsoft within the .NET initiative and it is one of the programming languages designed for the Common Language Infrastructure.

TESTING:

All parts of the site were continually tested throughout the development process to determine when goals were completed and to detect code regressions.

To determine that a page or function was complete, sample data – including properly formatted and improperly formatted – was input into the system. We then checked either that the desired function completed, or that proper data was inserted into the database according to the specification. For improper or unexpected inputs, we tested to ensure that suitable error messages were generated and displayed.

In addition to this regular testing after completing a task, we also completed regression testing before checking in new code to our version control software we used. Not only was new code tested but also existing code, in order to ensure that the new code did not break any existing functionality.

For data access routines, we completed module-level testing to ensure that our stored procedures function as designed. By consolidating database code and testing every stored procedure that runs on the database, we systematically simplified the coding for every other part of the site and at the same time simplified testing the code where we interface with the database.

MEETING INFORMATION

Date: 9/4/09

Start Time: 4:00 PM

End Time: 5:30 PM

Location: HOPE Ministries

Client: Janet Simmons

Group Attendees: Sean Brad, Carletria, Robert, Brian

Client Attendees: Janet Simmons

Meeting Summary: This was the initial meeting between the team and the client. We discussed big picture website concepts. The most prominent topic was website functionality.

Date: 9/9/09

Start Time: 5:00 PM

End Time: 6:30 PM

Location: Coates Hall

Client: Janet Simmons

Group Attendees: Brian, Brad, Carletria, Robert, Sean

Client Attendees: None

Meeting Summary: This was an intrateam meeting to discuss website mockups and initial code status. The preparation for the second meeting with the clients was assigned and discussed. Sean presented his initial ideas for the code structure and data organization concepts.

Date: 9/16/09

Start Time: 4:00 PM

End Time: 5:30 PM

Location: HOPE Ministries

Client: Janet Simmons

Group Attendees: Carletria, Robert, Sean

Client Attendees: Janet Simmons, 4 Board Members

Meeting Summary: We presented our initial design goals and UI mockups to the client. Collected feedback from the client representatives, and further explored requirements and functionality in more detail. Learned of new concerns.

Date: 9/23/09

Start Time: 3:00 PM

End Time: 4:30 PM

Location: Coates Hall

Client: Janet Simmons

Group Attendees: Carletria, Robert, Brad, Brian

Client Attendees: None

Meeting Summary: This was another team meeting without a client representative. We discussed the Constant Contact API – a given requirement by the client – and the functionality it would bring. We also discussed and explored our current codebase and developer tools we will be using.

Date: 10/24/09

Start Time: 1:00 PM

End Time: 3:30 PM

Location: Library

Client: Janet Simmons

Group Attendees: Sean, Carletria, Robert, Brad

Client Attendees: None

Meeting Summary: During this meeting the team went over the database structure for the project. We reviewed and discussed the existing mockups and we delegated tasks for completing the remaining mockups.

Date: 11/4/09

Start Time: 1:00 PM

End Time: 3:30 PM

Location: Library

Client: Janet Simmons

Group Attendees: Carletria, Robert, Brad, Sean

Client Attendees: None

Meeting Summary: During this meeting the team learned how to program in html. Sean worked on functionality issues while Brad and Robert got started on creating web pages, and Carletria created the additional mock ups that were needed.

Date: 11/11/09

Start Time: 12:30 PM

End Time: 1:55 PM

Location: Barnes & Noble Bookstore

Client: Janet Simmons

Group Attendees: Sean, Carletria, Robert, Brad, Brian

Client Attendees: None

Meeting Summary: We went over execution plans for the upcoming HOPE meeting.

Date: 11/11/09

Start Time: 2:15 PM

End Time: 4:30 PM

Location: HOPE Ministries

Client: Janet Simmons

Group Attendees: Sean, Carletria, Robert, Brad, Brian

Client Attendees: Janet Simmons, 2 Board Members

Meeting Summary: We presented the partial website to HOPE. The team went over the items that were functional on the website and we discussed the future functions that are to be added.

Date: 11/29/09

Start Time: 2:00PM

End Time: 3:00 PM

Location: CC Coffee

Client: Janet Simmons

Group Attendees: Sean, Carletria, Robert, Brad

Client Attendees: None

Meeting Summary: We went over execution plans for the upcoming project presentation. Reviewed documentation and any outstanding issues or work to be completed.

Also, over 75 emails were sent between team members as we worked toward the completion of the project.

Louisiana

Community Marketplace

ER Models and Functions

Group DotNetKillas
Author Sean O'Connell, Robert Firth, Brad Johnston, Carletria Wheeler, Brian Bell
Created 28 November 2009 19:54
Class CSC 4330
Instructor Dr. Kundu

Table of Contents

LCM Database.....	13
Tables.....	14
[dbo].[Addresses].....	18
[dbo].[Applications]	19
[dbo].[Categories]	20
[dbo].[Causes]	21
[dbo].[Contacts]	22
[dbo].[CustomerAddresses]	23
[dbo].[Customers]	24
[dbo].[Notes]	25
[dbo].[OrderItemHistory].....	26
[dbo].[OrderItems].....	27
[dbo].[Orders]	28
[dbo].[OrganizationNotes]	29
[dbo].[OrganizationReviews]	30
[dbo].[Organizations].....	31
[dbo].[ProductNotes]	32
[dbo].[ProductReviews]	33
[dbo].[Products]	34
[dbo].[Reviews]	35
[dbo].[TaxRates]	36
[dbo].[Users].....	37
[dbo].[WishListItems]	38
[dbo].[WishLists]	38
Stored Procedures	40
[dbo].[AddCustomerAddress]	41
[dbo].[CreateAddress].....	42
[dbo].[CreateApplication].....	43
[dbo].[CreateCategory]	44
[dbo].[CreateCause].....	45
[dbo].[CreateContact].....	46
[dbo].[CreateCustomer]	47
[dbo].[CreateOrder].....	48
[dbo].[CreateOrderItem]	49
[dbo].[CreateOrganization]	50
[dbo].[CreateProduct].....	51
[dbo].[CreateProductReview]	52
[dbo].[CreateUser]	53
[dbo].[DeleteContact]	54
[dbo].[DeleteOrderItem]	55
[dbo].[GetCustomerByFacebookID]	56
[dbo].[GetCustomerByID].....	57
[dbo].[GetCustomerByLogin].....	58
[dbo].[GetUserByUsernameAndPassword]	59
[dbo].[LinkCustomerToFacebookID].....	60
[dbo].[ListCategories].....	61
[dbo].[ListCauses].....	62
[dbo].[ListContacts].....	63
[dbo].[ListCustomerAddresses]	64
[dbo].[ListCustomers].....	65

[dbo].[ListCustomersByPurchases]	66
[dbo].[ListOrganizations]	67
[dbo].[ListProductReviews]	68
[dbo].[ListProducts]	69
[dbo].[ListProductsByID]	70
[dbo].[RemoveCustomerAddress]	71
[dbo].[UpdateAddress]	72
[dbo].[UpdateContact]	73
[dbo].[UpdateCustomer]	74
[dbo].[UpdateOrganization]	75
[dbo].[UpdateProduct]	76
[dbo].[UpdateUser]	77

 **LCM Database**

louisianaliquidators.com,8888 > LCM

Project Information

Author	DotNetKillas
Created	November 28, 2009

Properties

Property	Value
SQL Server Version	SQL Server 2008
Compatibility Level	SQL Server 2005

Tables

Louisiana Community Marketplace

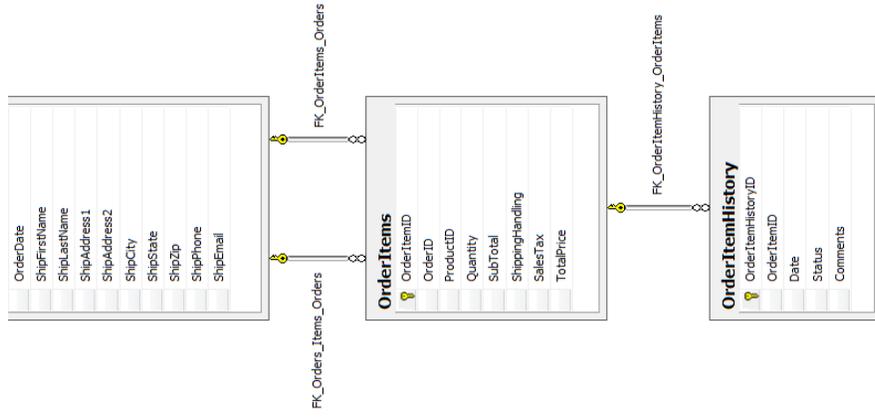
Name
dbo.Addresses
dbo.Applications
dbo.Categories
dbo.Causes
dbo.Contacts
dbo.CustomerAddresses
dbo.Customers
dbo.Notes
dbo.OrderItemHistory
dbo.OrderItems
dbo.Orders
dbo.OrganizationNotes
dbo.OrganizationReviews
dbo.Organizations
dbo.ProductNotes
dbo.ProductReviews
dbo.Products
dbo.Reviews
dbo.TaxRates
dbo.Users
dbo.WishListItems
dbo.WishLists

ER Database Models
Louisiana Community Marketplace





Louisiana Community Marketplace Documentation



[dbo].[Addresses]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	AddressID	bigint	8	✗	1 - 1	
	Name	nvarchar(20)	40	✗		
	Address1	nvarchar(50)	100	✗		
	Address2	nvarchar(50)	100	✗		('')
	City	nvarchar(20)	40	✗		
	State	nvarchar(2)	4	✗		
	Zip	nvarchar(10)	20	✗		

Indexes

	Name	Columns	Unique
	PK_Addresses	AddressID	✓

Used By

[dbo].[CustomerAddresses]
 [dbo].[Organizations]
 [dbo].[CreateAddress]
 [dbo].[ListCustomerAddresses]
 [dbo].[RemoveCustomerAddress]
 [dbo].[UpdateAddress]

 **[dbo].[Applications]**

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	ApplicationID	bigint	8	✗	1 - 1	
	OrganizationName	varchar(50)	50	✗		
	Description	varchar(500)	500	✗		
	Address1	varchar(50)	50	✗		
	Address2	varchar(50)	50	✗		
	City	varchar(50)	50	✗		
	State	varchar(2)	2	✗		
	Zip	varchar(10)	10	✗		
	Website	varchar(50)	50	✗		
	Phone	varchar(10)	10	✗		
	ContactFullName	varchar(50)	50	✗		
	ContactTitle	varchar(50)	50	✗		
	ContactEmail	varchar(50)	50	✗		
	IsPending	bit	1	✗		((1))
	IsApproved	bit	1	✗		
	DateModified	datetime	8	✗		

Indexes 

	Name	Columns	Unique
	PK_Applications	ApplicationID	✓

Used By

[dbo].[CreateApplication]

[dbo].[Categories]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	CategoryID	bigint	8	✗	1 - 1
	Name	varchar(50)	50	✗	
	Description	varchar(255)	255	✗	

Indexes

	Name	Columns	Unique
	PK_Categories	CategoryID	✓

Used By

[dbo].[CreateCategory]

[dbo].[ListCategories]

[dbo].[ListProducts]

[dbo].[Causes]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	CauseID	bigint	8	✗	1 - 1
	Name	varchar(50)	50	✗	
	Description	varchar(255)	255	✗	

Indexes

	Name	Columns	Unique
	PK_Causes	CauseID	✓

Used By

[dbo].[CreateCause]
[dbo].[ListCauses]
[dbo].[ListProducts]

[dbo].[Contacts]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	ContactID	bigint	8	✗	1 - 1	
	OrganizationID	bigint	8	✗		
	FirstName	varchar(20)	20	✗		
	LastName	varchar(20)	20	✗		
	Title	varchar(20)	20	✗		
	Phone	varchar(10)	10	✗		
	Email	varchar(20)	20	✗		
	CreatedDate	datetime	8	✗		(getdate())

Indexes

	Name	Columns	Unique
	PK_Contacts	ContactID	✓

Foreign Keys

Name	Columns
FK_Contacts_Organizations	OrganizationID->[dbo].[Organizations].[OrganizationID]

Used By

[dbo].[CreateContact]
 [dbo].[DeleteContact]
 [dbo].[ListContacts]
 [dbo].[UpdateContact]

[dbo].[CustomerAddresses]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	CustomerAddressID	bigint	8	✗	1 - 1
	CustomerID	bigint	8	✗	
	AddressID	bigint	8	✗	

Indexes

	Name	Columns	Unique
	PK_Customers_Addresses	CustomerAddressID	✓

Foreign Keys

Name	Columns
FK_CustomerAddresses_Addresses	AddressID->[dbo].[Addresses].[AddressID]

Used By

[dbo].[AddCustomerAddress]
 [dbo].[ListCustomerAddresses]
 [dbo].[RemoveCustomerAddress]

[dbo].[Customers]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	CustomerID	bigint	8	✗	1 - 1	
	FirstName	varchar(50)	50	✗		
	LastName	varchar(50)	50	✗		
	Phone	varchar(10)	10	✗		
	Email	varchar(50)	50	✗		
	Password	varchar(40)	40	✗		
	FacebookID	bigint	8	✗		((0))

Indexes

	Name	Columns	Unique
	PK_Customers	CustomerID	✓

Used By

[dbo].[Orders]
 [dbo].[Reviews]
 [dbo].[WishLists]
 [dbo].[CreateCustomer]
 [dbo].[GetCustomerByFacebookID]
 [dbo].[GetCustomerByID]
 [dbo].[GetCustomerByLogin]
 [dbo].[LinkCustomerToFacebookID]
 [dbo].[ListCustomers]
 [dbo].[ListCustomersByPurchases]
 [dbo].[ListProductReviews]
 [dbo].[UpdateCustomer]

 **[dbo].[Notes]***Louisiana Community Marketplace***Columns**

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	NoteID	bigint	8	✗	1 - 1
	CreateDate	datetime	8	✗	
	Author	varchar(50)	50	✗	
	Text	varchar(500)	500	✗	

Indexes 

	Name	Columns	Unique
	PK_Notes	NoteID	✓

Used By

[dbo].[OrganizationNotes]
 [dbo].[OrganizationNotes]
 [dbo].[ProductNotes]

 **[dbo].[OrderItemHistory]***Louisiana Community Marketplace***Columns**

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	OrderItemHistoryID	bigint	8	✗	1 - 1
	OrderItemID	bigint	8	✗	
	Date	datetime	8	✗	
	Status	varchar(20)	20	✗	
	Comments	varchar(200)	200	✗	

Indexes 

	Name	Columns	Unique
	PK_OrderItemsHistory	OrderItemHistoryID	✓

Foreign Keys 

Name	Columns
FK_OrderItemHistory_OrderItems	OrderItemID->[dbo].[OrderItems].[OrderItemID]

Uses

[dbo].[OrderItems]
dbo

[dbo].[OrderItems]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	OrderItemID	bigint	8	✗	1 - 1
	OrderID	bigint	8	✗	
	ProductID	bigint	8	✗	
	Quantity	smallint	2	✗	
	SubTotal	decimal(9,2)	5	✗	
	ShippingHandling	decimal(9,2)	5	✗	
	SalesTax	decimal(9,2)	5	✗	
	TotalPrice <i>Up to \$1,000,000.00 can be stored here</i>	decimal(9,2)	5	✗	

Indexes

	Name	Columns	Unique
	PK_OrderItems	OrderItemID	✓

Foreign Keys

Name	Columns
FK_OrderItems_Orders	OrderID->[dbo].[Orders].[OrderID]
FK_Orders_Items_Orders	OrderID->[dbo].[Orders].[OrderID]

Used By

[dbo].[OrderItemHistory]
 [dbo].[CreateOrderItem]
 [dbo].[DeleteOrderItem]
 [dbo].[ListCustomersByPurchases]

[dbo].[Orders]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	OrderID	bigint	8	✗	1 - 1
	CustomerID	bigint	8	✓	
	OrderDate	datetime	8	✗	
	ShipFirstName	varchar(20)	20	✗	
	ShipLastName	varchar(20)	20	✗	
	ShipAddress1	varchar(50)	50	✗	
	ShipAddress2	varchar(50)	50	✗	
	ShipCity	varchar(50)	50	✗	
	ShipState	varchar(2)	2	✗	
	ShipZip	varchar(10)	10	✗	
	ShipPhone	varchar(10)	10	✗	
	ShipEmail	varchar(50)	50	✗	

Indexes

	Name	Columns	Unique
	PK_Sales	OrderID	✓

Foreign Keys

Name	Columns
FK_Orders_Customers	CustomerID->[dbo].[Customers].[CustomerID]

Used By

[dbo].[OrderItems]
 [dbo].[OrderItems]
 [dbo].[CreateOrder]
 [dbo].[ListCustomersByPurchases]

[dbo].[OrganizationNotes]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	OrganizationNoteID	bigint	8	✗	1 - 1
	OrganizationID	bigint	8	✗	
	NoteID	bigint	8	✗	

Indexes

	Name	Columns	Unique
	PK_OrganizationNotes	OrganizationNoteID	✓

Foreign Keys

Name	Columns
FK_OrganizationNotes_Notes	NoteID->[dbo].[Notes].[NoteID]
FK_OrganizationNotes_Organizations	OrganizationID->[dbo].[Organizations].[OrganizationID]
FK_Organizations_Notes_Notes	NoteID->[dbo].[Notes].[NoteID]

 **[dbo].[OrganizationReviews]***Louisiana Community Marketplace***Columns**

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	OrganizationReviewID	bigint	8	✗	1 - 1
	OrganizationID	bigint	8	✗	
	ReviewID	bigint	8	✗	

Indexes 

	Name	Columns	Unique
	PK_OrganizationReviews	OrganizationReviewID	✓

Foreign Keys 

Name	Columns
FK_OrganizationReviews_Organizations	OrganizationID->[dbo].[Organizations].[OrganizationID]
FK_OrganizationReviews_Reviews	ReviewID->[dbo].[Reviews].[ReviewID]

[dbo].[Organizations]*Louisiana Community Marketplace***Columns**

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	OrganizationID	bigint	8	✗	1 - 1	
	AddressID	bigint	8	✗		
	Name	varchar(50)	50	✗		
	Description	varchar(1000)	1000	✗		
	Phone	varchar(50)	50	✗		
	Website	varchar(50)	50	✗		('')
	CreatedDate	datetime	8	✗		(getdate())
	Status	smallint	2	✗		

Indexes 

Name	Columns	Unique
 PK_Organizations	OrganizationID	✓

Foreign Keys 

Name	Columns
FK_Organizations_Addresses	AddressID->[dbo].[Addresses].[AddressID]

Used By

[dbo].[Contacts]
 [dbo].[OrganizationNotes]
 [dbo].[OrganizationReviews]
 [dbo].[Products]
 [dbo].[CreateOrganization]
 [dbo].[ListContacts]
 [dbo].[ListCustomersByPurchases]
 [dbo].[ListOrganizations]
 [dbo].[ListProducts]
 [dbo].[UpdateOrganization]

[dbo].[ProductNotes]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	ProductNoteID	bigint	8	✗	1 - 1
	ProductID	bigint	8	✗	
	NoteID	bigint	8	✗	

Indexes

	Name	Columns	Unique
	PK_ProductNotes	ProductNoteID	✓

Foreign Keys

Name	Columns
FK_ProductNotes_Notes	NoteID->[dbo].[Notes].[NoteID]

[dbo].[ProductReviews]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	ProductReviewID	bigint	8	✗	1 - 1
	ProductID	bigint	8	✗	
	ReviewID	bigint	8	✗	

Indexes

	Name	Columns	Unique
	PK_ProductReviews	ProductReviewID	✓

Foreign Keys

Name	Columns
FK_ProductReviews_Products	ProductID->[dbo].[Products].[ProductID]
FK_ProductReviews_Reviews	ReviewID->[dbo].[Reviews].[ReviewID]

Used By

[dbo].[CreateProductReview]

[dbo].[ListProductReviews]

[dbo].[Products]

Louisiana Community Marketplace

Columns

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	ProductID	bigint	8	✗	1 - 1	
	OrganizationID	bigint	8	✗		
	CategoryID	bigint	8	✗		
	CauseID	bigint	8	✗		
	ItemNumber	varchar(20)	20	✗		('')
	Name	varchar(50)	50	✗		
	Description	varchar(500)	500	✗		
	Price	decimal(18,2)	9	✗		
	CreatedDate	datetime	8	✗		(getdate())
	Status	smallint	2	✗		

Indexes

Name	Columns	Unique
 PK_Products	ProductID	✓

Foreign Keys

Name	Columns
FK_Products_Organizations	OrganizationID->[dbo].[Organizations].[OrganizationID]

Used By

[dbo].[ProductReviews]
 [dbo].[WishListItems]
 [dbo].[CreateProduct]
 [dbo].[ListCustomersByPurchases]
 [dbo].[ListProducts]
 [dbo].[UpdateProduct]

[dbo].[Reviews]

Louisiana Community Marketplace

Columns

 Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
 ReviewID	bigint	8	✗	1 - 1
 CustomerID	bigint	8	✗	
Date	datetime	8	✗	
Title	varchar(50)	50	✗	
Description <i>Customer's full review text</i>	varchar(1000)	1000	✗	
Rating <i>A rating between 0 and 5</i>	int	4	✗	

Indexes

Name	Columns	Unique
 PK_CustomerReviews	ReviewID	✓

Foreign Keys

Name	Columns
FK_Reviews_Customers	CustomerID->[dbo].[Customers].[CustomerID]

Used By

[dbo].[OrganizationReviews]
 [dbo].[ProductReviews]
 [dbo].[CreateProductReview]
 [dbo].[ListProductReviews]

 **[dbo].[TaxRates]***Louisiana Community Marketplace***Columns**

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
	TaxRateID	bigint	8	✗	1 - 1
	Rate	decimal(4,2)	5	✗	
	State	varchar(2)	2	✗	
	TaxShipping	bit	1	✗	

Indexes 

	Name	Columns	Unique
	PK_TaxRates	TaxRateID	✓

 **[dbo].[Users]***Louisiana Community Marketplace***Columns**

	Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity	Default
	UserID	bigint	8	✘	1 - 1	
	Username	varchar(20)	20	✘		
	Password <i>SHA1 encrypted password</i>	varchar(40)	40	✘		
	FirstName	varchar(50)	50	✘		
	LastName	varchar(50)	50	✘		
	Email	varchar(50)	50	✘		
	IsLCMAdmin	bit	1	✘		((0))
	OrganizationID	bigint	8	✘		((-1))
	IsOrganizationAdmin	bit	1	✘		((0))
	Active	bit	1	✘		((1))

Indexes 

	Name	Columns	Unique
	PK_Users	UserID	✓

Used By

[dbo].[CreateUser]
 [dbo].[GetUserByUsernameAndPassword]
 [dbo].[UpdateUser]

 **[dbo].[WishListItems]***Louisiana Community Marketplace***Columns**

 Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
 WishListItemID	bigint	8	✗	1 - 1
 WishListID	bigint	8	✗	
 ProductID	bigint	8	✗	
Priority <i>0=lowest, 1=low, 2=medium, 3=high, 4=highest</i>	tinyint	1	✗	
Quantity	smallint	2	✗	
Comment	varchar(200)	200	✗	
DateAdded	datetime	8	✗	

Indexes 

 Name	Columns	Unique
 PK_WishListItems	WishListItemID	✓

Foreign Keys 

Name	Columns
FK_WishListItems_Products	ProductID->[dbo].[Products].[ProductID]
FK_WishListItems_WishLists	WishListID->[dbo].[WishLists].[WishListID]

 **[dbo].[WishLists]***Louisiana Community Marketplace***Columns**

 Name	Data Type	Max Length (Bytes)	Allow Nulls	Identity
 WishListID	bigint	8	✗	1 - 1
 CustomerID	bigint	8	✗	
Name	varchar(50)	50	✗	
IsPublic	bit	1	✗	
IsDefault	bit	1	✗	

Indexes



	Name	Columns	Unique
	PK_WishLists	WishListID	✓

Foreign Keys



Name	Columns
FK_WishLists_Customers	CustomerID->[dbo].[Customers].[CustomerID]

Used By

[dbo].[WishListItems]

 **Stored Procedures, a.k.a. "Project Functions"**

Name
dbo.AddCustomerAddress
dbo.CreateAddress
dbo.CreateApplication
dbo.CreateCategory
dbo.CreateCause
dbo.CreateContact
dbo.CreateCustomer
dbo.CreateOrder
dbo.CreateOrderItem
dbo.CreateOrganization
dbo.CreateProduct
dbo.CreateProductReview
dbo.CreateUser
dbo.DeleteContact
dbo.DeleteOrderItem
dbo.GetCustomerByFacebookID
dbo.GetCustomerByID
dbo.GetCustomerByLogin
dbo.GetUserByUsernameAndPassword
dbo.LinkCustomerToFacebookID
dbo.ListCategories
dbo.ListCauses
dbo.ListContacts
dbo.ListCustomerAddresses
dbo.ListCustomers
dbo.ListCustomersByPurchases
dbo.ListOrganizations
dbo.ListProductReviews
dbo.ListProducts
dbo.ListProductsByID
dbo.RemoveCustomerAddress
dbo.UpdateAddress
dbo.UpdateContact
dbo.UpdateCustomer
dbo.UpdateOrganization
dbo.UpdateProduct
dbo.UpdateUser

[dbo].[AddCustomerAddress]

Description

Adds a new customer address to the database.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8
@Name	nvarchar(20)	40
@Address1	nvarchar(50)	100
@Address2	nvarchar(50)	100
@City	nvarchar(20)	40
@State	nvarchar(2)	4
@Zip	nvarchar(10)	20

Uses

[dbo].[CustomerAddresses]

[dbo].[CreateAddress]

dbo

[dbo].[CreateAddress]

Description

Creates a new address record.

Parameters

Name	Data Type	Max Length (Bytes)
@Name	nvarchar(20)	40
@Address1	nvarchar(50)	100
@Address2	nvarchar(500)	1000
@City	nvarchar(20)	40
@State	nvarchar(2)	4
@Zip	nvarchar(10)	20

Uses

[dbo].[Addresses]
dbo

Used By

[dbo].[AddCustomerAddress]
[dbo].[CreateOrganization]

[dbo].[CreateApplication]

Description

Creates a new organization membership application.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationName	varchar(50)	50
@Description	varchar(500)	500
@Address1	varchar(50)	50
@Address2	varchar(50)	50
@City	varchar(50)	50
@State	varchar(2)	2
@Zip	varchar(10)	10
@Website	varchar(50)	50
@Phone	varchar(10)	10
@ContactFullName	varchar(50)	50
@ContactTitle	varchar(50)	50
@ContactEmail	varchar(50)	50

Uses

[dbo].[Applications]
dbo

[dbo].[CreateCategory]

Description

Creates a new product category.

Parameters

Name	Data Type	Max Length (Bytes)
@Name	nvarchar(20)	40
@Description	nvarchar(255)	510

Uses

[dbo].[Categories]
dbo

[dbo].[CreateCause]

Description

Creates a new product cause.

Parameters

Name	Data Type	Max Length (Bytes)
@Name	nvarchar(20)	40
@Description	nvarchar(255)	510

Uses

[dbo].[Causes]
dbo

[dbo].[CreateContact]

Description

Creates a new organization contact.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationID	bigint	8
@FirstName	nvarchar(20)	40
@LastName	nvarchar(20)	40
@Title	nvarchar(50)	100
@Email	nvarchar(20)	40
@Phone	nvarchar(10)	20

Uses

[dbo].[Contacts]

dbo

[dbo].[CreateCustomer]

Description

Creates a new customer record.

Parameters

Name	Data Type	Max Length (Bytes)
@FirstName	varchar(50)	50
@LastName	varchar(50)	50
@Phone	varchar(10)	10
@Email	varchar(50)	50
@Password	varchar(40)	40
@FacebookID	bigint	8

Uses

[dbo].[Customers]

dbo

[dbo].[CreateOrder]

Description

Creates a new customer order record.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8
@OrderDate	datetime	8
@ShipFirstName	varchar(20)	20
@ShipLastName	varchar(20)	20
@ShipAddress1	varchar(50)	50
@ShipAddress2	varchar(50)	50
@ShipCity	varchar(50)	50
@ShipState	varchar(2)	2
@ShipZip	varchar(10)	10
@ShipPhone	varchar(10)	10
@ShipEmail	varchar(50)	50

Uses

[dbo].[Orders]
dbo

[dbo].[CreateOrderItem]

Description

Creates a new order item record.

Parameters

Name	Data Type	Max Length (Bytes)
@OrderID	bigint	8
@ProductID	bigint	8
@Quantity	smallint	2
@SubTotal	decimal(9,2)	5
@ShippingHandling	decimal(9,2)	5
@SalesTax	decimal(9,2)	5
@TotalPrice	decimal(9,2)	5

Uses

[dbo].[OrderItems]
dbo

[dbo].[CreateOrganization]

Description

Creates a new organization record.

Parameters

Name	Data Type	Max Length (Bytes)
@Name	nvarchar(30)	60
@Description	nvarchar(50)	100
@Phone	nvarchar(10)	20
@Website	nvarchar(50)	100
@Address1	nvarchar(50)	100
@Address2	nvarchar(50)	100
@City	nvarchar(20)	40
@State	nvarchar(2)	4
@Zip	nvarchar(10)	20

Uses

[dbo].[Organizations]
[dbo].[CreateAddress]
dbo

[dbo].[CreateProduct]

Description

Creates a new product record.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationID	bigint	8
@CategoryID	bigint	8
@CauseID	bigint	8
@ItemNumber	varchar(50)	50
@Name	varchar(50)	50
@Description	varchar(200)	200
@Price	decimal(18,2)	9
@Status	smallint	2

Uses

[dbo].[Products]
dbo

[dbo].[CreateProductReview]

Description

Creates a new product review.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8
@ProductID	bigint	8
@Title	varchar(50)	50
@Description	varchar(1000)	1000
@Rating	int	4

Uses

[dbo].[ProductReviews]

[dbo].[Reviews]

dbo

[dbo].[CreateUser]

Description

Creates a new user record.

Parameters

Name	Data Type	Max Length (Bytes)
@Username	varchar(20)	20
@Password	varchar(40)	40
@FirstName	varchar(50)	50
@LastName	varchar(50)	50
@Email	varchar(50)	50
@IsLCMAdmin	bit	1
@OrganizationID	bigint	8
@IsOrganizationAdmin	bit	1
@Active	bit	1

Uses

[dbo].[Users]
dbo

[dbo].[DeleteContact]

Description

Deletes a contact record.

Parameters

Name	Data Type	Max Length (Bytes)
@ContactID	bigint	8

Uses

[dbo].[Contacts]
dbo

[dbo].[DeleteOrderItem]

Description

Deletes an order item record.

Parameters

Name	Data Type	Max Length (Bytes)
@OrderItemID	bigint	8

Uses

[dbo].[OrderItems]
dbo

[dbo].[GetCustomerByFacebookID]

Description

Retreives a customer record by FacebookID.

Parameters

Name	Data Type	Max Length (Bytes)
@FacebookID	bigint	8

Uses

[dbo].[Customers]
dbo

[dbo].[GetCustomerByID]

Description

Retreives a customer record by CustomerID.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8

Uses

[dbo].[Customers]
dbo

[dbo].[GetCustomerByLogin]

Description

Retreives a customer record by email and password.

Parameters

Name	Data Type	Max Length (Bytes)
@Email	varchar(50)	50
@Password	varchar(40)	40

Uses

[dbo].[Customers]
dbo

[dbo].[GetUserByUsernameAndPassword]

Description

Retreives a user record by username and password.

Parameters

Name	Data Type	Max Length (Bytes)
@Username	varchar(20)	20
@Password	varchar(40)	40

Uses

[dbo].[Users]
dbo

[dbo].[LinkCustomerToFacebookID]

Description

Associates an existing customer record with specified FacebookID.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8
@FacebookID	bigint	8

Uses

[dbo].[Customers]
dbo

[dbo].[ListCategories]

Description

Property	Value
ANSI Nulls On	✓
Quoted Identifier On	✓

Uses

[dbo].[Categories]
dbo

[dbo].[ListCauses]

Description

Retrieves all product cause records.

Uses

[dbo].[Causes]
dbo

[dbo].[ListContacts]

Description

Retreives all contact records associated with specified OrganizationID.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationID	bigint	8

Uses

[dbo].[Contacts]

[dbo].[Organizations]

dbo

[dbo].[ListCustomerAddresses]

Description

Retrieves all address records associated with given CustomerID.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8

Uses

[dbo].[Addresses]

[dbo].[CustomerAddresses]

dbo

[dbo].[ListCustomers]

Description

Lists all customer records in database.

Uses

[dbo].[Customers]
dbo

[dbo].[ListCustomersByPurchases]

Description

Retrieves all customers that purchased a product from OrganizationID or purchased ProductID.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationID	bigint	8
@ProductID	bigint	8

Uses

[dbo].[Customers]
[dbo].[OrderItems]
[dbo].[Orders]
[dbo].[Organizations]
[dbo].[Products]
dbo

[dbo].[ListOrganizations]

Description

Retreives all organization records.

Parameters

Name	Data Type	Max Length (Bytes)
@Status	int	4

Uses

[dbo].[Organizations]
dbo

[dbo].[ListProductReviews]

Description

Retrieves all product review records associated with @ProductID and between the dates of @StartDate and @EndDate.

Parameters

Name	Data Type	Max Length (Bytes)
@ProductID	bigint	8
@StartDate	datetime	8
@EndDate	datetime	8

Uses

[dbo].[Customers]
[dbo].[ProductReviews]
[dbo].[Reviews]
dbo

[dbo].[ListProducts]

Description

Lists all products associated with specified parameters.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationID	bigint	8
@CategoryID	bigint	8
@CauseID	bigint	8
@Status	int	4

Uses

[dbo].[Categories]
[dbo].[Causes]
[dbo].[Organizations]
[dbo].[Products]
dbo

[dbo].[ListProductsByID]

Description

Lists all products matching an ID in IDs array.

Parameters

Name	Data Type	Max Length (Bytes)
@IDs	varchar(500)	500

Uses

dbo

[dbo].[RemoveCustomerAddress]

Description

Removes an address record and association with existing customer record.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8
@AddressID	bigint	8

Uses

[dbo].[Addresses]
[dbo].[CustomerAddresses]
dbo

[dbo].[UpdateAddress]

Description

Updates an address record.

Parameters

Name	Data Type	Max Length (Bytes)
@AddressID	bigint	8
@Name	nvarchar(30)	60
@Address1	nvarchar(50)	100
@Address2	nvarchar(50)	100
@City	nvarchar(20)	40
@State	nvarchar(2)	4
@Zip	nvarchar(10)	20

Uses

[dbo].[Addresses]
dbo

Used By

[dbo].[UpdateOrganization]

[dbo].[UpdateContact]

Description

Updates a contact record.

Parameters

Name	Data Type	Max Length (Bytes)
@ContactID	bigint	8
@OrganizationID	bigint	8
@FirstName	nvarchar(20)	40
@LastName	nvarchar(20)	40
@Title	nvarchar(50)	100
@Email	nvarchar(20)	40
@Phone	nvarchar(10)	20

Uses

[dbo].[Contacts]
dbo

[dbo].[UpdateCustomer]

Description

Updates specified customer record.

Parameters

Name	Data Type	Max Length (Bytes)
@CustomerID	bigint	8
@FirstName	varchar(50)	50
@LastName	varchar(50)	50
@Phone	varchar(10)	10
@Email	varchar(50)	50
@Password	varchar(40)	40
@FacebookID	bigint	8

Uses

[dbo].[Customers]
dbo

[dbo].[UpdateOrganization]

Description

Updates specified organization record.

Parameters

Name	Data Type	Max Length (Bytes)
@OrganizationID	bigint	8
@Name	nvarchar(30)	60
@Description	nvarchar(50)	100
@Phone	nvarchar(10)	20
@Website	nvarchar(50)	100
@AddressID	bigint	8
@Address1	nvarchar(50)	100
@Address2	nvarchar(50)	100
@City	nvarchar(20)	40
@State	nvarchar(2)	4
@Zip	nvarchar(10)	20
@Status	smallint	2

Uses

[dbo].[Organizations]
[dbo].[UpdateAddress]
dbo

[dbo].[UpdateProduct]

Description

Updates specified product record.

Parameters

Name	Data Type	Max Length (Bytes)
@ProductID	bigint	8
@CategoryID	bigint	8
@CauseID	bigint	8
@ItemNumber	varchar(50)	50
@Name	varchar(30)	30
@Description	varchar(50)	50
@Price	nvarchar(10)	20
@Status	smallint	2

Uses

[dbo].[Products]
dbo

[dbo].[UpdateUser]

Description

Updates specified user record.

Parameters

Name	Data Type	Max Length (Bytes)
@UserID	bigint	8
@Username	varchar(20)	20
@Password	varchar(40)	40
@FirstName	varchar(50)	50
@LastName	varchar(50)	50
@Email	varchar(50)	50
@IsLCMAdmin	bit	1
@OrganizationID	bigint	8
@IsOrganizationAdmin	bit	1
@Active	bit	1

Uses

[dbo].[Users]
dbo