

## **LEAN**

Lean is a non-profit organization, which helps bring free medicines to needed countries. The mission of Lean is to collect donated medicines, clothes, and to ship them to their desire destinations. Lean raises their funds and donation storage by organize both free and paid events. For free events, their intention is to attract as many participants as they can, so that they would have more donations. For paid events, Lean collaborates with other organizations to create more memorable and worth paying events, in this way participants are happy to buy tickets to attend, and also keep up with their charity. Lean doing their fundraising through LEANEVENTO, a web application that allows creating/managing events, managing volunteers/organizations, and controlling participants/donations.

### **LEANEVENTO – Web Application Requirements**

LEANEVENTO Web Application is built using XAMPP, which consists of Apache web server with other features built in. The web application is implemented with HTML, CSS and JavaScript on the front-end as many other websites. Database would be stored and managed using MySQL, which is stacked in and very convenient to use with XAMPP. On the back-end, server-side logic and database connection would be managed by PHP. To fulfill all the aspects of creating/managing events for donations, the application is implemented with seven pages, which has its own functionalities in the process. Each page is designed in a specific way to interact with the database to complete its task. Because the content on every page of the web application is written in Spanish, all the phrases, images, colors, ... are given by the patronage.

Developers' duties are to design pages that match given samples, connect them to back-end server and database, so that it would function as expected in all the requirements.

Home page would be the start page whenever the users first go to LEANEVENTO. Therefore, there is no table in the database needed for this page, but it contains all the brief information about LEAN, and also navigations to all other pages and features of the application.

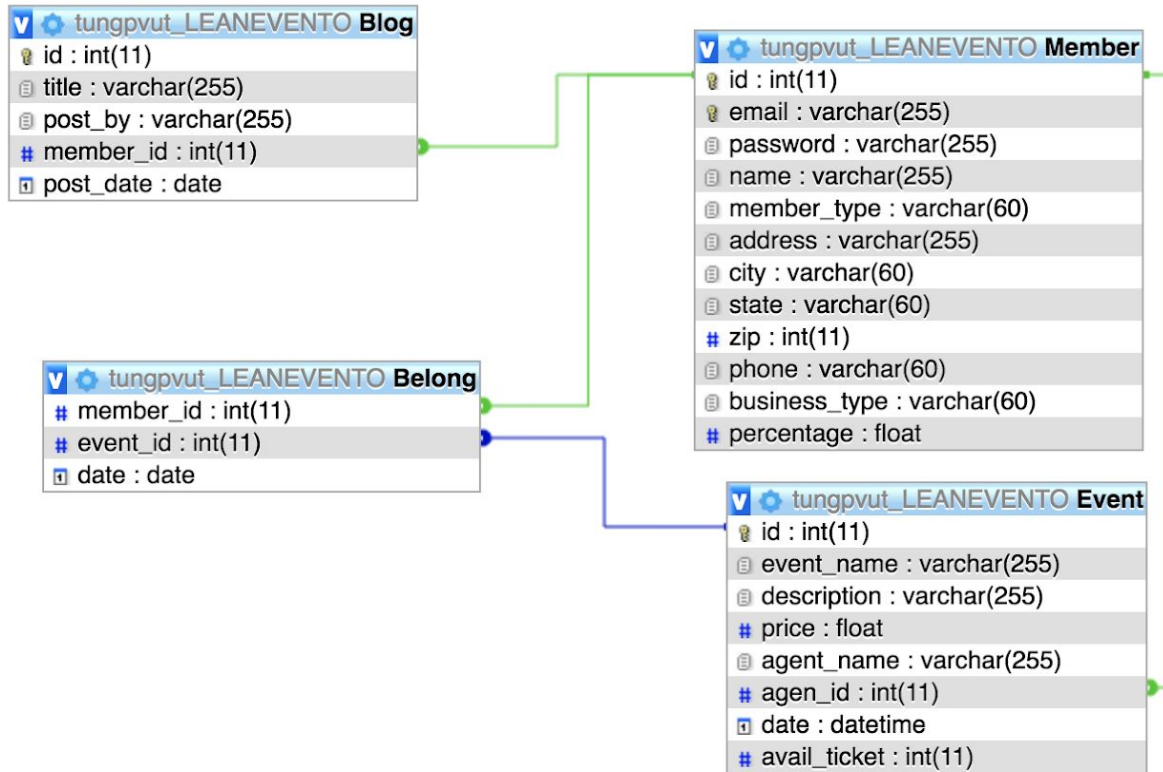
About us/ Contact us pages are simple static pages, which have all the needed information about LEAN, giving users more credential and ways to contact the organization.

Blog page consists of blogs posted by Agents, or Managers of the web application. This page would interact with blog table in the database, which contains ID, Member ID, Title, Posted-date, Posted-by columns. The primary key would be the ID of each blog, and Member ID would suite as foreign key that relates to member table. It also allows authorized users to create, edit and remove blogs.

Buy From Us page performs buying function of the application, which allows user to choose and purchase tickets for the events they like. Events are listed by selecting item from event table, which includes ID, Event Name, Description, Price, Agent Name, Agent ID, Date, Available Tickets columns. Each event would have unique ID as primary key. Agent ID will be the foreign key that links this table to member table, who created it. Whenever customers purchase tickets, the application send an email about the tickets information to the user and decrease its available tickets value. All the purchases are also stored in Belong table, which has Member ID, Event ID, Date columns. In this table Member ID and Event ID is primary key, where Event ID and Member ID would be related to Member and Event table.

Login/Register functionalities are the most important features of the application, and are implemented by several pages. These pages would interact with the member table, which consists of ID, Email, Password, Name, Member Type, Address, City, State, Zip, Phone Number, Business Type, Percentage columns, Event ID. Where ID is primary key. First, if the users are not registered, they are ask to sign up using register page. The users then choose the type either they are individual, foundation, or an agent. Each option leads to different register forms, where they are asked to enter needed information. A password recovery option is also available, that sends a temporary password to users via email. When a member is logged in, they have different privileges based on their member type. All members have their own profile pages, where they can view/edit their information, and a page that list all the events they are involved. Users interact with their events through Belong relational table. Moreover, Business members have their percentage information of the involving events. Agent members are authorized to manage blogs, events, and other members' information.

## Database Schema



+ Options													
		id	email	password	name	member_type	address	city	state	zip	phone	business_type	percentage
<input type="checkbox"/>	Edit Copy Delete	1	admin@leanevento.com	sdSD3dsf@#vb1!	admin	agent	123 abc	Dallas	TX	76110	999-999-9999	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	foundation@gmail.com	SDG@fwe#g@	foundation	business	321 cba	Arlington	TX	76111	123-456-7890	type	2
<input type="checkbox"/>	Edit Copy Delete	3	individual@gmail.com	dfkj@#DBf1	individual	individual	NULL	NULL	NULL	NULL	NULL	NULL	NULL

+ Options									
		id	event_name	description	price	agent_name	agen_id	date	avail_ticket
<input type="checkbox"/>	Edit Copy Delete	1	Testing Event	This event is for testing	10.99	admin	1	2019-02-03 00:00:00	15
<input type="checkbox"/>	Edit Copy Delete	2	Testing Second Event	This event is for second test	10.99	admin	1	2019-02-03 00:00:00	15

+ Options								
			id	title	post_by	member_id	post_date	
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	First Blog	admin	1	2019-02-13

member_id	event_id	date
1	1	2019-02-03
1	2	2019-02-10