Proyecto final

SQL

Coder House

Comisión 34940
Alumno:
Sanabria Ramiro

Introducción

En este trabajo final, se entrega una Base de Datos básica estructurada para un negocio de Ecommerce vía web, con vendedores y envíos.

Objetivo

Se desarrolla en la BD los datos críticos para poder empezar a cubrir la gran cantidad de la información importante. Como las ventas, las ordenes, clientes, vendedores, direcciones, etc..

Situación problemática

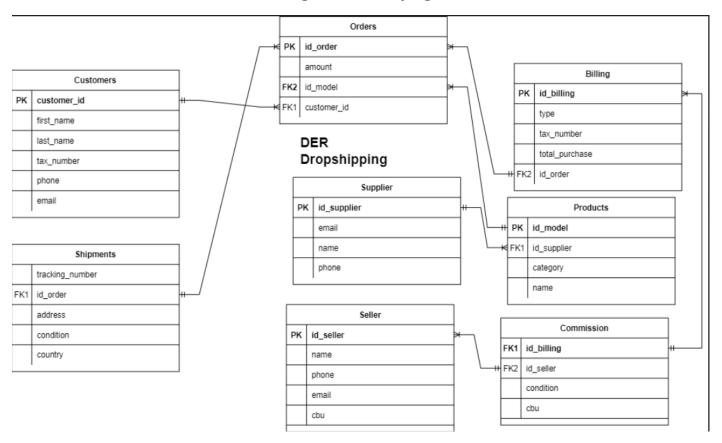
Abordamos una solución para la estructura de una plataforma de ventas, en la cual necesitamos recopilar los datos de forma clara y precisa para su posterior análisis por el podremos posteriormente descubrir las debilidades y fortalezas de la plataforma de ventas-compras

Modelo de negocio

En este negocio, se busca recopilar los datos de cliente-vendedor, su información para la venta, datos necesarios, seguimiento de las ediciones, quien hizo la venta y la compra, dirección, numero de tax

Diagrama Entidad Relación

Esta subido a la web o como imagen en der.png



Tablas

Está disponible en Excel, DER.xlsx

Table	Customers				Τ	1	
	customer data				+	+	
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
PK	customer id	INT	LEIVOITI	TRUE	TRUE	AI	Customer identification
PK .	first_name	VARCHAR	30	TRUE	TROL	A	name
	last name	VARCHAR	30	THOL			surname
	phone	VARCHAR	40				phone
	email	VARCHAR	50				email
		DECIMAL					
Table	Supplier						
Description	- ' '						
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
PK	id_supplier	INT		TRUE	TRUE	AI	Supplier identification
	email	VARCHAR	50	TRUE			email
	phone	VARCHAR	40				phone number
	first_name	VARCHAR	30				name
Table	Products						
Description	Stock / products of shop						
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
PK	id_model	INT		TRUE	TRUE	AI	Model identification
FK1	id_supplier	INT		TRUE			Supplier identification
	category	VARCHAR	25				category
	name	VARCHAR	50				name
Table	Orders						
Description	Orders of customers						
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	
PK	id_order	INT		TRUE	TRUE	AI	Order identification
	amount	DECIMAL	12,2				amount
FK1	id_model	INT					Model identification
FK2	customer_id	INT					Customer identification

Table	Billing						
Description	Billing of customers						
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
PK	id_billing	INT		TRUE	TRUE	AI	Billing identification
	type	VARCHAR	10				type
	tax_number	VARCHAR	60				Tax identificaciton
	total_purchase	DECIMAL	12,2				Total purchase
FK1	id_order	INT					Order identification
Table	Seller						
Description	Info of Seller						
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
PK	id_seller	INT		TRUE	TRUE	AI	Seller identificaction
	name	VARCHAR	30				name
	phone	VARCHAR	40				phone
	email	varchar	50				email
FK1	cbu	varchar	60				CBU/info pay
Table	Commission						
Description	Commission of Seller						
KEY	COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
FK1	id_billing	INT		TRUE			Billing identification
FK2	id_seller	INT		TRUE			Seller identificaction
	condition_purchase	INT					Condition pruchase
	cbu	varchar	60				email

Shipments						
-						
COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
tracking number	VARCHAR	60	TRUE			tracking number
id_order	INT					Order identification
addres	VARCHAR	60				Condition pruchase
country	VARCHAR	50				email
condition_purchase	INT					
old billing						
billing audit						
COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
id_billing	INT					Billing identification
tax_number	VARCHAR	40				Tax identificaciton
total_purchase	DECIMAL	30,3				Total purchase
id_order	INT					Order identification
user	CHAR	30				User who modified
date_hour	TIMESTAMP					Time/date modified
new_orders						
billing audit						
COLUMN	TYPE	LENGHT	NOT NULL	UNIQUE	DEFAULT	NOTES
id_order	INT					Order identification
amount	DECIMAL	20,2				purchase
user	CHAR	30				User who modified
date hour	TIMESTAMP					Time/date modified
	tracking_number id_order addres country condition_purchase old_billing billing audit COLUMN id_billing tax_number total_purchase id_order user date_hour new_orders billing audit COLUMN id_oidler amount user	Infomation of shipments COLUMN TYPE tracking_number id_order id_order id_order id_order id_order id_order inT addres VARCHAR country VARCHAR condition_purchase INT old_billing billing audit COLUMN TYPE id_billing INT tax_number VARCHAR total_purchase DECIMAL id_order INT user CHAR date_hour TIMESTAMP new_orders billing audit COLUMN TYPE id_order INT INT INT INT INT INT INT IN	Infomation of shipments COLUMN TYPE LENGHT tracking_number id_order addres VARCHAR 60 id_order INT addres VARCHAR 50 country VARCHAR 50 condition_purchase INT old_billing billing audit COLUMN TYPE LENGHT id_billing INT tax_number VARCHAR 40 total_purchase DECIMAL 30,3 id_order INT user CHAR 30 date_hour TIMESTAMP new_orders billing audit COLUMN TYPE LENGHT IMESTAMP new_orders billing audit COLUMN TYPE LENGHT IMESTAMP	Infomation of shipments COLUMN TYPE LENGHT NOT NULL tracking_number VARCHAR id_order INT addres VARCHAR 60 TRUE id_order INT VARCHAR 50 country VARCHAR 50 condition_purchase INT old_billing billing audit COLUMN TYPE LENGHT NOT NULL id_billing INT tax_number VARCHAR 40 total_purchase DECIMAL 30,3 id_order INT user CHAR 30 date_hour TIMESTAMP new_orders billing audit COLUMN TYPE LENGHT NOT NULL id_order INT user CHAR 30 date_hour TIMESTAMP new_orders billing audit COLUMN TYPE LENGHT NOT NULL id_order INT amount DECIMAL 20,2 user CHAR 30	Infomation of shipments COLUMN TYPE LENGHT NOT NULL UNIQUE tracking_number id_order addres VARCHAR 60 Country VARCHAR 50 Condition_purchase INT Old_billing billing audit COLUMN TYPE LENGHT NOT NULL UNIQUE UNIQUE LENGHT NOT NULL UNIQUE INT UNIQUE INT INT UNIQUE INT INT INT INT INT USER CHAR 30 date_hour TYPE LENGHT NOT NULL UNIQUE INT USER CHAR 30 date_hour TIMESTAMP NOT NULL UNIQUE INT USER CHAR 30 date_hour TYPE LENGHT NOT NULL UNIQUE UNIQUE INT USER CHAR 30 date_hour TIMESTAMP	Infomation of shipments COLUMN TYPE LENGHT NOT NULL UNIQUE DEFAULT tracking_number id_order INT addres VARCHAR 60 Country VARCHAR 50 Condition_purchase INT Old_billing billing audit COLUMN TYPE LENGHT NOT NULL UNIQUE DEFAULT Id_billing INT tax_number VARCHAR 40 total_purchase DECIMAL INT User CHAR 30 date_hour TYPE LENGHT NOT NULL UNIQUE DEFAULT IMMESTAMP new_orders billing audit COLUMN TYPE LENGHT NOT NULL UNIQUE DEFAULT UNIQUE DEFAULT IMMESTAMP DECIMAL 30,3 Id_order INT USER CHAR 30 CHAR 30 CHAR 30 DEFAULT IMMESTAMP NOT NULL UNIQUE DEFAULT UNIQUE DEFAULT IMMESTAMP DECIMAL 20,2 USER CHAR 30

Informes generados



Archivo, CoderHouse_Final_Graficos.pbix

O CoderHouse_Final_Graficos.pdf

El Power Bi fue exportado con los datos, para que no sea necesario conectar MySQL a Power Bi.

Herramientas utilizadas:

- -MySQL Workbench
- -Power Bi
- -PDF
- -Excel
- -Word
- -La web mockaroo

Scrips

Final_work_DB+Data+Views.sql

Contiene los scrips de creación de tablas/vistas/datos

Final work Scrips.sql

Contiene los SP, triggers y funciones, algunas de ellas están comentadas para no interferir.

Final_work_TLC_Users.sql

Contiene ejemplos de TLC y creación de usuarios con permisos