GROCERY FINDER

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BASIC IDEA

This is a simple way to buy grocery products online from nearby local shops. This is a web application which will be really very helpful in lockdown period as well as normal days. Also, this website will help customer to differentiate the product reasonable price among the shops. This will reduce delivery time, cost & customer can get their product easily.

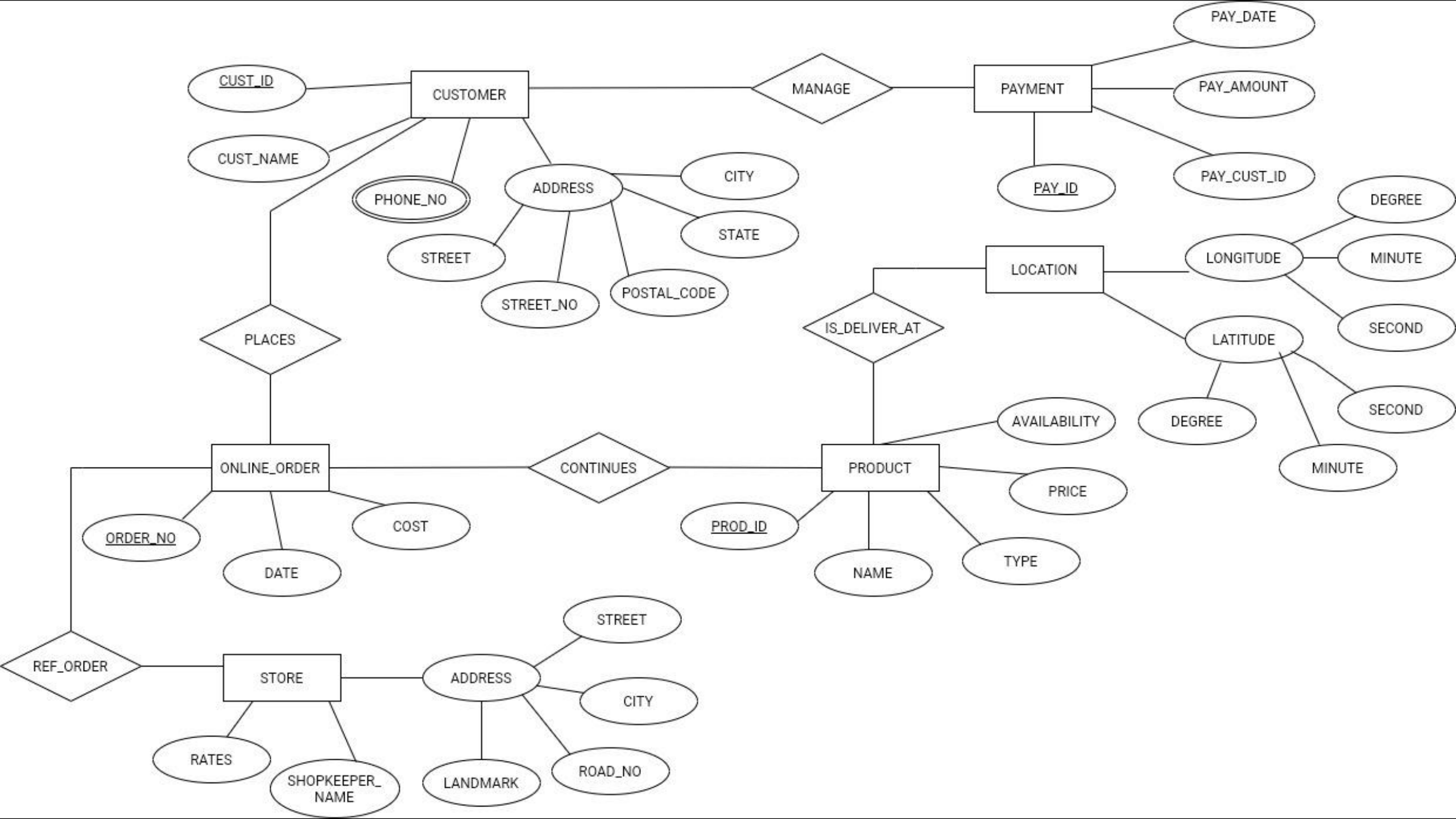
PROBLEM STATEMENT

A grocery finder is an application that permits a customer (consists of customer id, customer name, phone number and address consist of street or rural route with thenumber, city, state and postal code etc.) to submit online orders (consists of order number, order date, cost etc.) for grocery product (consists of product id as primary key, product name, product type, price, product availability) from a store or shop(consists the properties like shopkeeper name, rates, address in street, city, road no, landmark etc.)that serves both walk-in customers and online customers.

The online shopping system presents an online display of an order cut off time and an associated delivery window for product selected by the customer. The system accepts the customer submission of a purchase order for the grocery product in response to a time of submission being before the order cut off time.

The main distinguishing criteria of this project from other online shopping system is that it checks the availability of the product nearby to the users location which in turn increases product accessibility, it’s availablity and reduces unnecessary shipping or delivery charges. The core vision of this application is to ensure availability and accessibility of the grocery product to the customer as convenient as possibile.

ENTITY RELATIONSHIP MODEL


CUST_ID
CUSTOMER
MANAGE
PAYMENT
PAY_DATE
PAY_AMOUNT
PAY_CUST_ID
PAY_ID
CUST_NAME
PHONE_NO
ADDRESS
CITY
STATE
STREET
STREET_NO
POSTAL_CODE
PLACES
IS_DELIVER_AT
LOCATION
LONGITUDE
DEGREE
MINUTE
SECOND
LATITUDE
DEGREE
MINUTE
SECOND
ONLINE_ORDER
CONTINUES
PRODUCT
AVAILABILITY
PRICE
TYPE
NAME
PROD_ID
ORDER_NO
DATE
COST
REF_ORDER
STORE
ADDRESS
STREET
CITY
ROAD_NO
LANDMARK
RATES
SHOPKEEPER_
NAME

REVISED PROBLEM STATEMENT

As we know that the traditional shopping (offline shopping) is very time consuming and the customer may be under pressure, because he may don’t know that the grocery product is available in which shop. Also, the customer may forget the prices that he has seen in the previous shops, so he can’t compare them Traditional shopping may cause directly or indirectly to people crowd.

The Grocery Finder is a web application that permits a customer to submit online orders for any grocery product from a nearby store or shop that serves both walk-in customers and online customers. Also, this web application provide service to the customer to be able to see the lowest price among the different shops. So it will be easier to the customer to get the product in a reasonable/lowest price.

The Grocery Finder system presents an online display of an order cut off time and an associated delivery window for product selected by the customer. The system accepts the customer submission of a purchase order for the product in response to a time of submission being before the order cut off time.

The main distinguishing criteria of this project from other online shopping system is that it checks the availability and price comparison of the product nearby to the users location which in turn increases product accessibility, it’s availability and reduces unnecessary shipping or delivery charges. The core vision of this application is to ensure availability and accessibility of the product to the customer as convenient as possible.

OBJECTIVES :

1. Convenience
2. Better prices
3. More variety
4. Price comparisons
5. No crowds

ENTITIES AND THEIR ATTRIBUTES

1. Customer Entity : Attributes of Customer are customer_id, customer_name, customer_mobile, customer_address, customer_email.
2. Product Entity : Attributes of Product are prod_id, prod_name, prod_items, prod_price, prod_availibility.
3. Store Entity : Attributes of Store are store_id, store_name, shopkeeper_name, store_address.
4. Order Entity : Attributes of Order are order_id, order_date, order_type, order_cost, order_desc.
5. Payment Entity : Attributes of Payment are pay_id, pay_amount, pay_desc, pay_date.
6. Address (composite) Entity : street_name, landmark, city, state, pincode.

SOFTWARE OR HARDWARE REQUIREMENTS / DATASET

As per the problem definition of project the requirement analysis from the software has been performed. The Project application is loaded in wordpress. We used wordpress & Visual Studio for Design and coding of project. Created and maintained all databases into SQL Server, in that we create tables, write query for store data or record of project.

HARDWARE REQUIREMENTS

1. Laptop or PC
2. i3 Processor Based Computer
3. 1GB RAM
4. 5 GB Hard Disk

SOFTWARE REQUIREMENTS

1. Laptop or PC
2. Windows 7 or higher.
3. WordPress
4. Visual Studio

Front-End

The software required to design the user interface and user experience.

1. Visual Studio
   This software is used to design the user interface of the website.

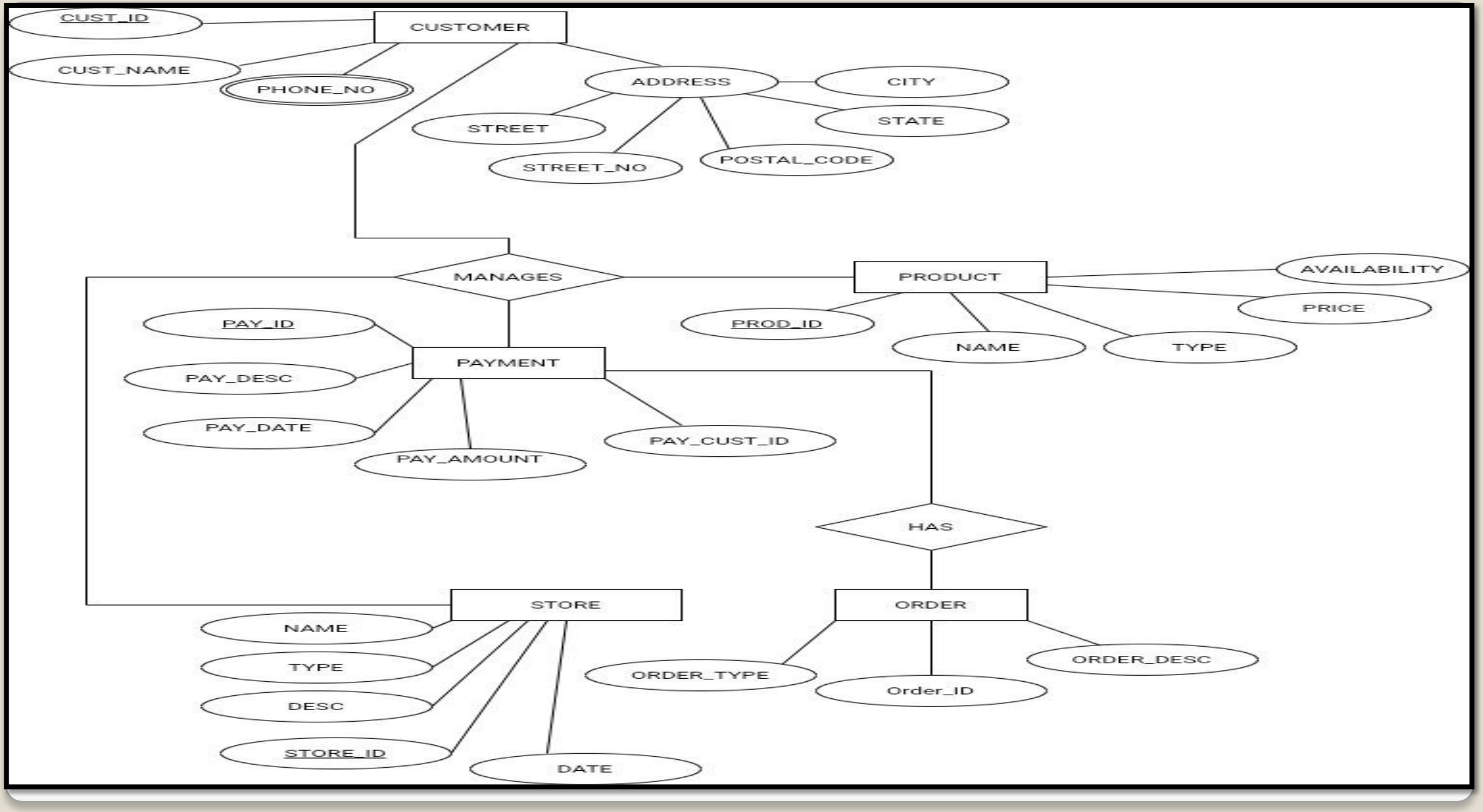
2. Word press
   Word Press is the simplest, most popular way to create your own website. It mainly supports PHP programming language. PHP is the main programming language used.

Back-End

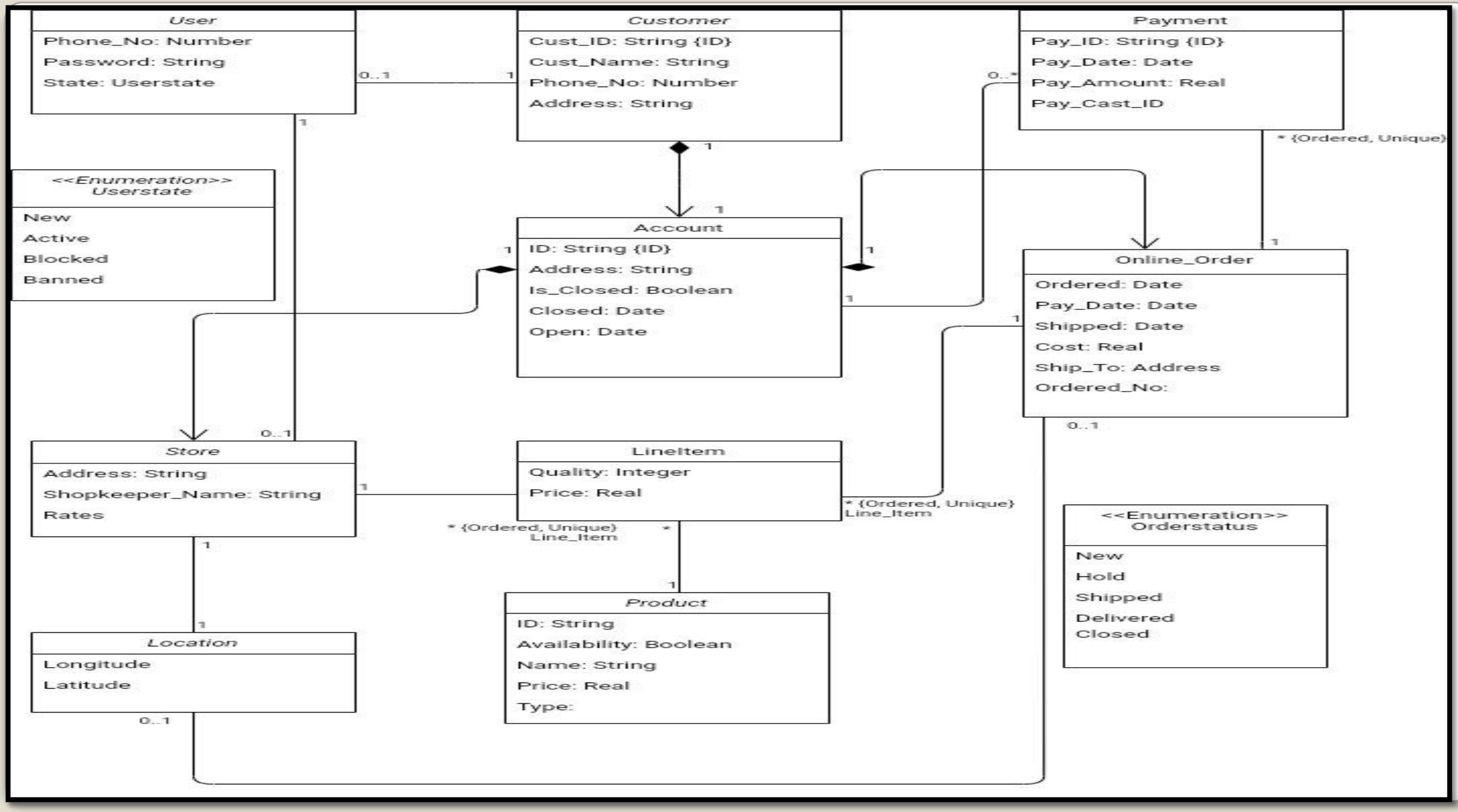
The main Back End technology is used for storing and managing databases. It is a cloud database hosting website called as “infinityfree” that provides online database storage options along with “phpMyAdmin".

SQL is the programming language used for back end.

REVISED ENTITY RELATIONSHIP MODEL


CUST_ID
CUSTOMER
CUST_NAME
PHONE_NO
ADDRESS
CITY
STATE
STREET
STREET_NO
POSTAL_CODE
MANAGES
PRODUCT
AVAILABILITY
PRICE
PAY_ID
PROD_ID
NAME
TYPE
PAYMENT
PAY_DESC
PAY_DATE
PAY_AMOUNT
PAY_CUST_ID
HAS
STORE
ORDER
NAME
TYPE
DESC
STORE_ID
DATE
ORDER_TYPE
Order_ID
ORDER_DESC

UML MODEL (SCHEMA DESIGN)


User
Phone_No: Number
Password: String
State: Userstate
Customer
Cust_ID: String {ID}
Cust_Name: String
Phone_No: Number
Address: String
Payment
Pay_ID: String {ID}
Pay_Date: Date
Pay_Amount: Real
Pay_Cast_ID
<<Enumeration>>
Userstate
New
Active
Blocked
Banned
Account
ID: String {ID}
Address: String
Is_Closed: Boolean
Closed: Date
Open: Date
Online_Order
Ordered: Date
Pay_Date: Date
Shipped: Date
Cost: Real
Ship_To: Address
Ordered_No:
Store
Address: String
Shopkeeper_Name: String
Rates
LineItem
Quality: Integer
Price: Real
Location
Longitude
Latitude
Product
ID: String
Availability: Boolean
Name: String
Price: Real
Type:
<<Enumeration>>
Orderstatus
New
Hold
Shipped
Delivered
Closed
0..1
1
0..*
* {Ordered, Unique}
Line_Item

DATA DICTIONARY SCHEMA

Payment Table :

Table	Column	Data Type	Reference	Default	Not Null
Payment	Pay_ID	Int		Identity	
	Pay_Amount	Numbet			Y
	Pay_Date	Date		Now	Y
	Pay_Cust_id	Int	Customer		

Unique Keys :

Type	Table	Key	Column
Primary	Payment	Pk_Payment	Pay_ID

Foreign Keys :

Keys	Table	Volumn	Ref. Table	Ref. Column
fk__Patment_Customer	Customer	Pay_Cust_ID	Customer	ID

THANK YOU!