ONLINE RETAIL STORE DATABASE/WAREHOUSE QUERYING SYSTEM REPORT

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Abstract

Presently there is development in the field of Information Technology for the same database plays an important role. Highlight the role of the database in the report presents the website which has been chosen for the same to have online furniture stores system. This database includes to have online selling of the furniture initially the user will have registered to the website where for the registration of the user will log in registration details will be stored in the database schema and at the time of login, it will be retrieved and matched against the login details.

The report in the data includes building the data warehouse and this is implemented with the concept of the furniture system. The back and the MySQL database have been chosen for the storage along with cooperating with the XAMP server. And for the frontend PHP is being chosen reason to use the PHP is that it is an open-source language web interface that has been done for the data warehousing and along with the same here the consumer will be allowed to buy the furniture. (Nadikattu, 2019)

Keywords:

Data warehousing, online furniture stores system. Data warehouse query

Project Overview

The project is being developed with the respect to create an interactive web system that will be availed with the data source. For any system, a database is very important and the flow of the database is seen in online selling. The overview of the same includes having to build an online furniture system which includes the interaction with the user can register to the website and the at the time of Register user needs to enter. The data will be stored in the database along with the same it includes to have the Inventory of the furniture can be stored the with the quantity and the data can be purchased furniture in the purchased. The data will be retrieved; the cart is there for the purchase. MYSQL database is used with the help of SQL

Query the data will be required and your purchase of the online furniture in data warehousing.

All the data include to have the activities the data is an important part of this query system which includes from the analytical data for the administration is also the administrator and data will update the type of category and this will be generalized in the database or database has improved trade to provide the shipments with the user testing as detailed as well as the considering the inventory data.

The actor of the project is:

Administrator

Administrative control of the project. The administrator of the data will have the duty the administrator can consider the user information user sheet can be seen by the administrator along with the same inventory in the managed by the administrator can booker cancel the orders.

The client:

The client is a retailer and client and have analysis canteen also serve to the project initially leads need to get registered in the website after that the data will be their clients can purchase into the details them after the same the shipment in delivery can be provided to the client.

Domain of the project

The project includes having the important function for online shopping for furniture. The dormant include having a data warehouse where the data will be entered into the MYSQL server.

The data will include having the interaction of the data and data warehousing system for the online shopping system where the furniture will be brought and the Inventory of the same will be maintained.

The server with the communication where the communication will be with the help of a data. An administrator can maintain the data and manage the various reports and as for the website with the authority. Where will be the query a with different where the tools as an initialization not only the same along with it the data warehousing will be easily maintained. (Xu & Hu, 2019)

Data Warehouse

The data warehousing good to have a relation of the warehouse this includes two of the analysis processes where the data will include the inventory regarding the furniture is stored in the website. To store and manage the data must be managed with the database server.

The architecture of the data warehouse

The architecture of the data warehouse includes having the client-server architecture. Client to have the project with two-tier client-server architecture is being used which is a client and server.

Considering an application for the client application. Application at the client-side was used to have the front end of the application where the user will interact directly with the system and after the system, the data will be stored in the database the client is going to interact with the data and there will be the query which will be fired from the client-side and server will respond to the query.

Server Architecture

The server includes to provide the data for the data is stored in a data tier which is at the database sides of the server will provide the data from their data Tier and it provides an easy modification of the data because the square is being fired from the client-side and the answer will be provided. (“Mastering client-server architecture [Book Review],” 2001)

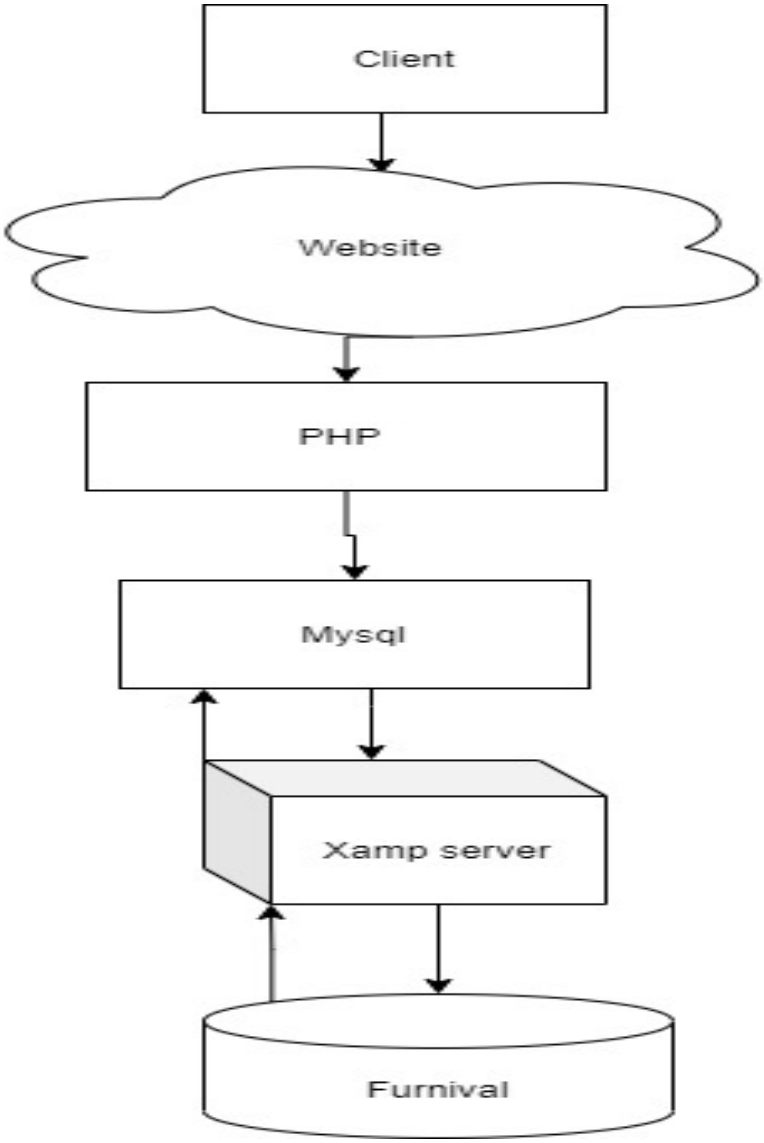


Figure 1: Database architecture

Implementation details

Considering the implementation for the front and the PHP has been chosen. The reason to choose PHP as a first of all is it is an open-source platform that includes the axis and along the same to have the data warehouses the same server has been used to host MYSQL database.

The reason to choose my SQL database includes having PHP. PHP provides about step and along with the same it has a PHP admin where it can be easily connected to that my SQL server.

Considering the online furniture stores system to accept the data the user must sign in and the data will be stored in the MYSQL the answers will be provided with the reply and ultimately the database will be accessed for the answer.

Important file and folder

Admin.php

PHP includes having to enter all the read all the data in the database will be entered by the admin and after that, the user can interact with it.

index.php

PHP includes all interaction initially of the home page with the user can handle and see the data

Connection.php

Connection dot PHP is used to connect the MySQL data with the database access and this provides an easy library with considering the data.

There is a video folder that holds an images folder that holds all the images consisting of the various images of the products available to be sold on the website.

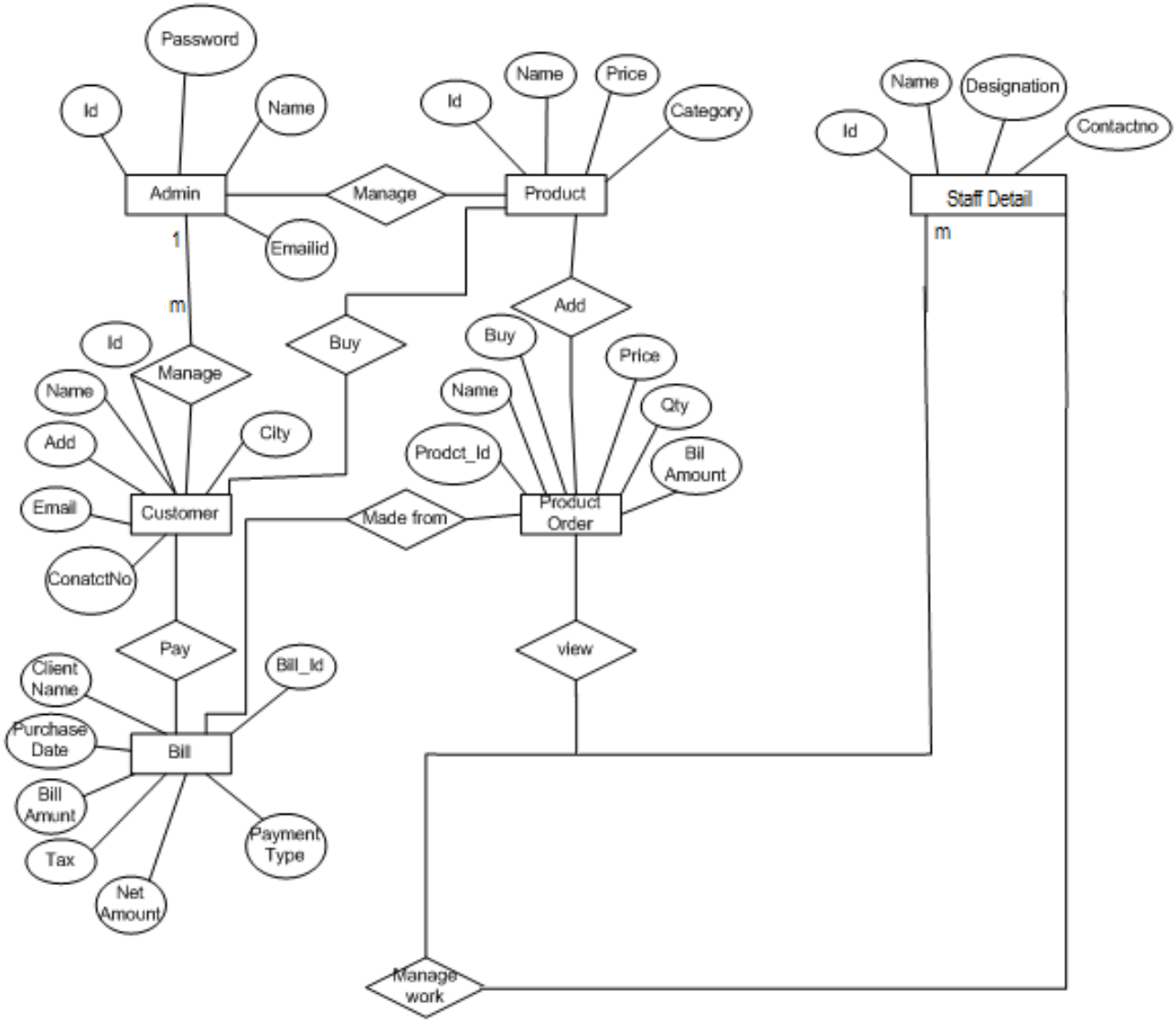
The class files are there which includes the reusability of the object-oriented programming concept.

The database schema and table

Tables of the document which are very important for the warehouse in the system and managing the database design the data table in schema have a different query which will be there and that I will be collected along with.

One database is known as Furnival which includes having the database that all the login-related data and other data will be stored.

ERD


Password
Id
Name
Admin
Emailid
Manage
1
m
Id
Name
Price
Category
Product
Add
Buy
Buy
Price
Name
Qty
Prodct_Id
Bil Amount
Product Order
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Id
Manage
Name
Add
City
Email
Customer
ConatctNo
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Bill_Id
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Staff Detail
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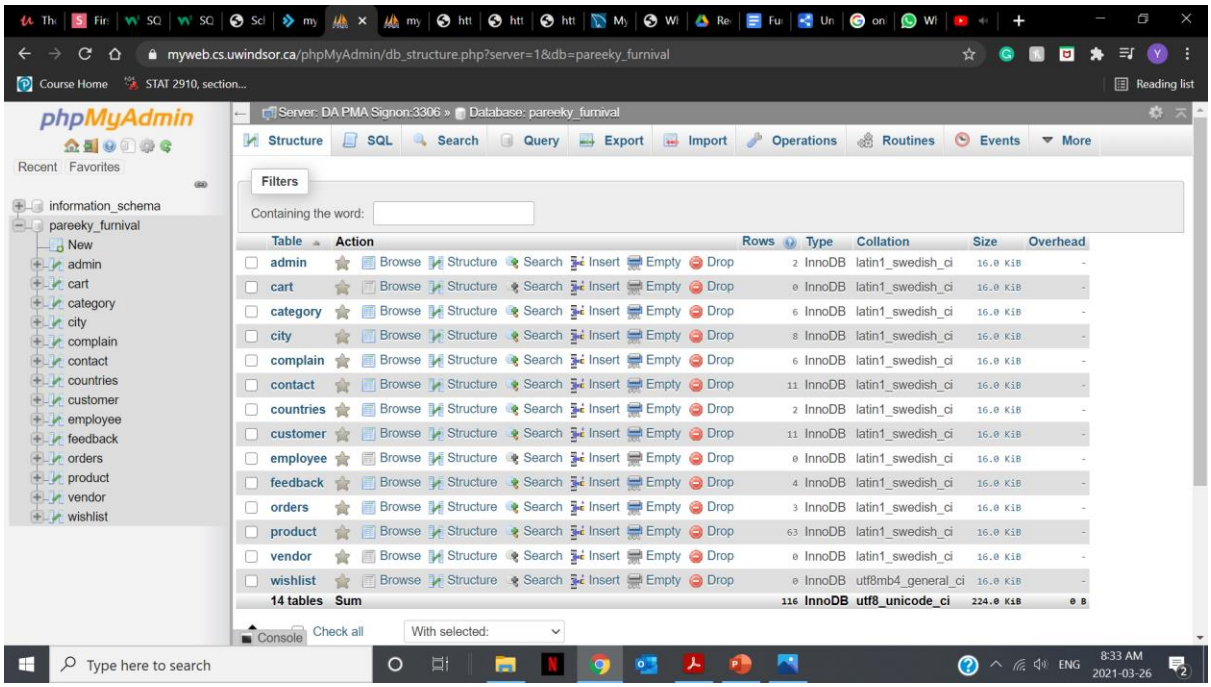
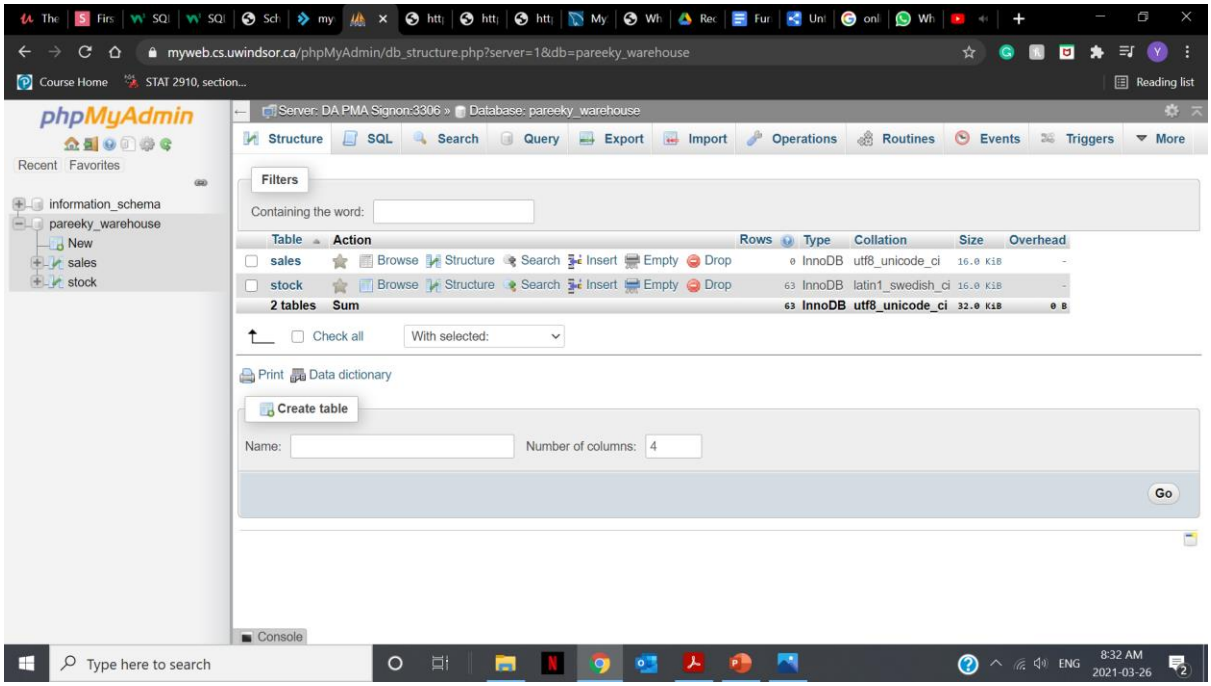
Manage work

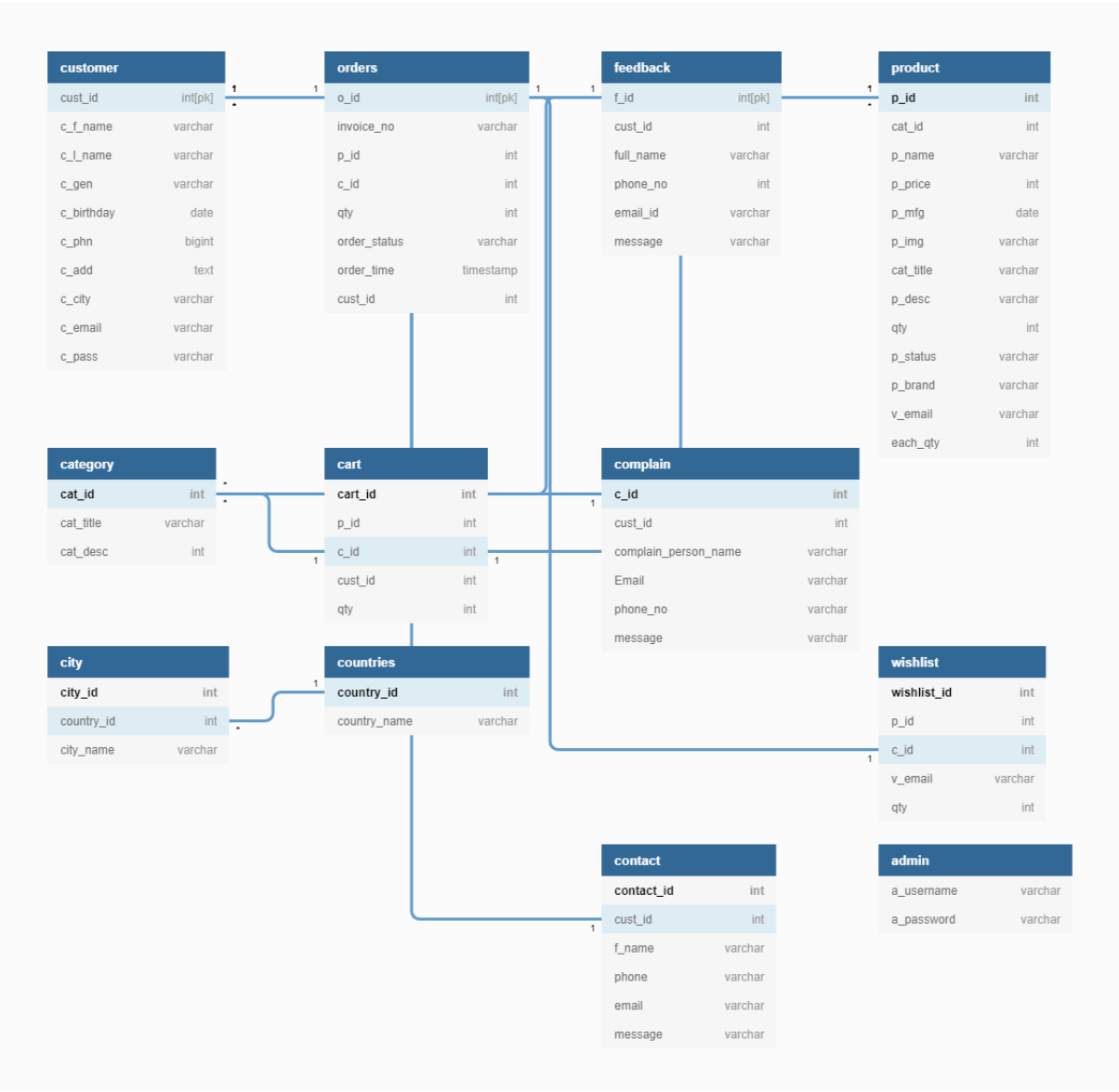
Tables



Warehouse table



Schema


customer
cust_id int[pk]
c_f_name varchar
c_l_name varchar
c_gen varchar
c_birthday date
c_phn bigint
c_add text
c_city varchar
c_email varchar
c_pass varchar
orders
o_id int[pk]
invoice_no varchar
p_id int
c_id int
qty int
order_status varchar
order_time timestamp
cust_id int
feedback
f_id int[pk]
cust_id int
full_name varchar
phone_no int
email_id varchar
message varchar
product
p_id int
cat_id int
p_name varchar
p_price int
p_mfg date
p_img varchar
cat_title varchar
p_desc varchar
qty int
p_status varchar
p_brand varchar
v_email varchar
each_qty int
category
cat_id int
cat_title varchar
cat_desc int
cart
cart_id int
p_id int
c_id int
cust_id int
qty int
complain
c_id int
cust_id int
complain_person_name varchar
Email varchar
phone_no varchar
message varchar
city
city_id int
country_id int
city_name varchar
countries
country_id int
country_name varchar
wishlist
wishlist_id int
p_id int
c_id int
v_email varchar
qty int
contact
contact_id int
cust_id int
f_name varchar
phone varchar
email varchar
message varchar
admin
a_username varchar
a_password varchar

Data Warehouse Schema

Database Queries

Database query

The queries download in the second half to join as well as access the various administrative tasks that

require these to have for considering during the previous details includes:

Insert data in a complaint

INSERT INTO complain (complain_person_name,phone_no,Email,message)
value('$f_name','$phone','$email','$message')

INSERT INTO feedback (Full_name,Phone_no,Email_Id,message)
value('$f_name','$phone','$email','$message')

To select quantity from cart

SELECT qty FROM cart where cart_id ='$cart_id'

To update quantity from cart

update cart set qty='$qty' where cart_id='$cart_id'

To delete quantity from cart

delete from cart where cart_id=$cart_id

To delete from wish list

delete from wishlist where wishlist_id=$wishlist_id

To update quantity wishlist

update wishlist set qty='$qty' where wishlist_id='$wishlist_id'

To select quantity wishlist

SELECT qty FROM wishlist where wishlist_id ='$wishlist_id'INSERT INTO cart (c_id,p_id,v_email,qty)
values ('$c_id','$p_id','$v_email','$qty')

Select all products where title is asked to search

Select * from product where cat_title='$cat_title'

Update category

update category set cat_title='$cat_title' where cat_id='$cat_id'

Insert category

INSERT INTO category(cat_title)VALUES('$cat_title')

Delete category with category id

DELETE FROM category WHERE cat_id='$cat_id'

Delete product with product id

DELETE from product WHERE p_id='$id'

Insert product details

INSERT INTO product(p_name,p_brand,p_price,each_qty,p_mfg,p_img,cat_title,p_desc,Qty)
value('$p_name','$p_brand','$p_price','$each_qty','$p_mfg','$p_img','$p_cat_title','$p_desc','$qty')

Select all products

SELECT * FROM product

Select category with ascending category id

SELECT * FROM category ORDER BY cat_id ASC

Update product details

UPDATE product SET p_name = '".$_POST["p_name"]."', p_price = '".$_POST["p_price"]."', p_mfg =
'".$_POST["p_mfg"]."', p_img = '".$_POST["p_img"]."', cat_title = '".$_POST["cat_title"]."',

p_desc = '".$_POST["p_desc"]."', p_status = '".$_POST["p_status"]."'WHERE
p_id='".$_POST["p_id"]."'

Delete city
DELETE FROM city WHERE city_id='$city_id'

Select city update city

SELECT * FROM city
update cities set city_name='$city_name',state_id='$state_id' where city_id='$city_id'

Insert in the city table

INSERT INTO city(city_name)VALUES('$city_name')

Insert in product

INSERT INTO product(p_name,p_brand,p_price,each_qty,p_mfg,p_img,cat_title,p_desc,Qty)
value('$p_name','$p_brand','$p_price','$each_qty','$p_mfg','$p_img','$p_cat_title','$p_desc','$qty')

Delete product with selected with product id

"DELETE from product WHERE p_id='$id'"

Update stock

UPDATE stock SET p_name = '".$_POST["p_name"]."', p_price = '".$_POST["p_price"]."', p_mfg = '".$_POST["p_mfg"]."', p_img = '".$_POST["p_img"]."', cat_title = '".$_POST["cat_title"]."',p_desc = '".$_POST["p_desc"]."', p_status = '".$_POST["p_status"]."'WHERE p_id='".$_POST["p_id"]."'

Delete from stock

"DELETE from stock WHERE p_id='$id'"

Select all complaint

SELECT * FROM complain

Select all feedback

SELECT * FROM feedback

Select all feedback

SELECT * FROM contact

To show categories

select_query= "Select * from category

For cart

$user=mysqli_query($conn,"Select * from cart where c_id='$c_id'");

For adding product in wishlist

$user=mysqli_query($conn,"Select * from wishlist where c_id='$c_id'");

Delete from cart

$select_query= "delete from cart where cart_id=$cart_id";

The system software and the database:

SQL Server agent service being used Apache server provides the version along with us in the pH PSP

use this is a retail website and along with the same them towards the hosting very easily

Developer and maintenance manual

Provide an initial house link that can be accessed from

http://pareeky.myweb.cs.uwindsor.ca/Furnival/

The user can register and after the same, the registration login can be done and easily the work can be taken

There are two files: furnival.sql

Furnival folders include PHP files which in the state is the major file and it will be open by default. For the working of the Furnival, a folder is to be copied to the Xamp server the folder needs to be placed in the docs.

After placing the folder in the ht. in next step is to be open and server and input data is there with the same name

The database is imported the next step is to go to localhost Apache should also be started in the rest server

After the same on the phpmyadmin index.php will be open up under the user data will be accessible by default the

Customer at http://pareeky.myweb.cs.uwindsor.ca/Furnival/

Admin at http://pareeky.myweb.cs.uwindsor.ca/Furnival/admin/

Credentials for the admin Login:

Email - admin@gmail.com

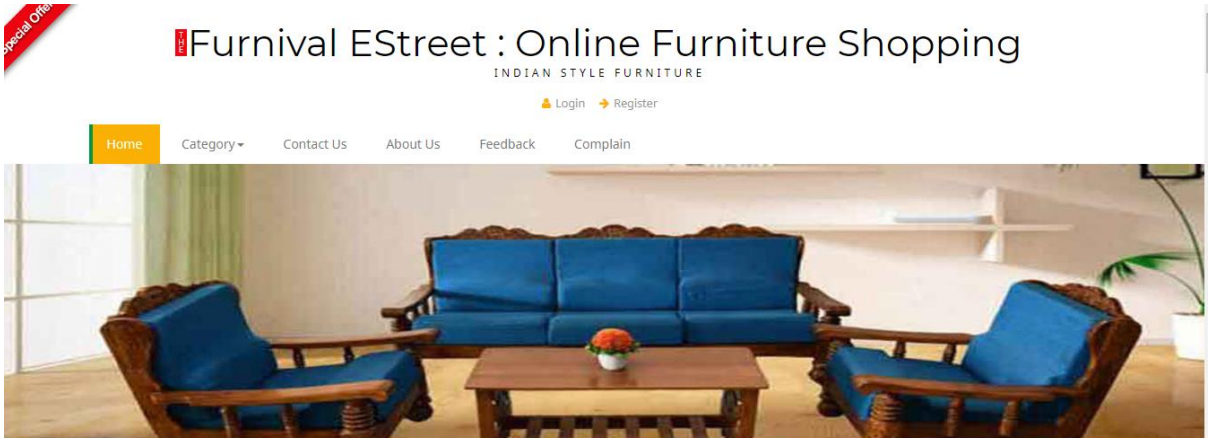
Password - admin

limitation and constraint

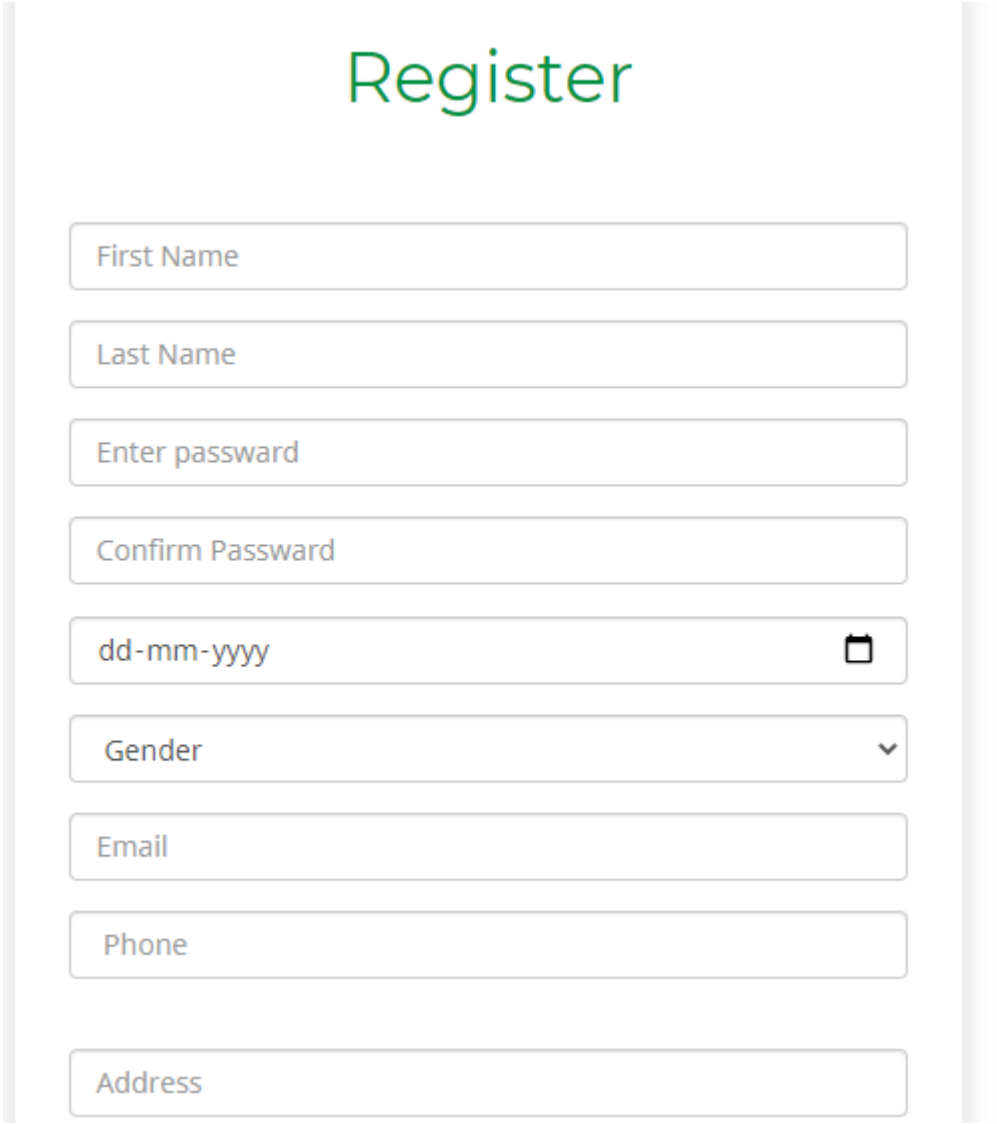
The sourcing cost of the website to be secured. The source code is stored in the database languages in the database need to be established in the detail and along with the same presently determine a suitable for the small data but to consider it for the with effect from the big data should be taken into account and data warehouse them can be expanded.

User Guide/Manual

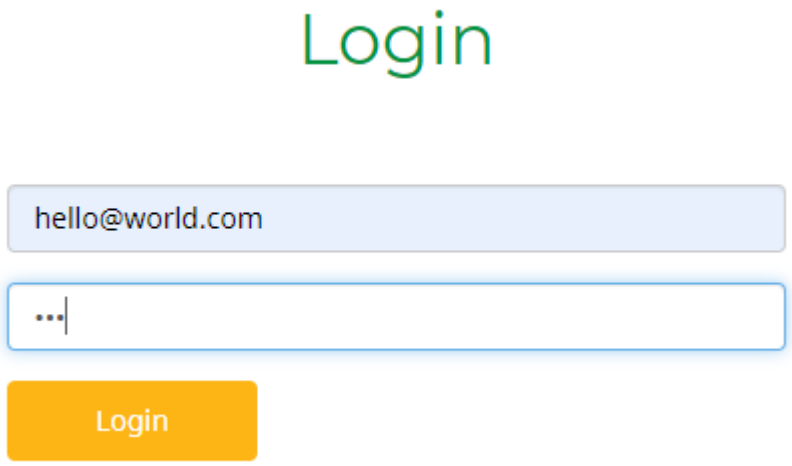
1. Go to http://pareeky.myweb.cs.uwindsor.ca/Furnival/



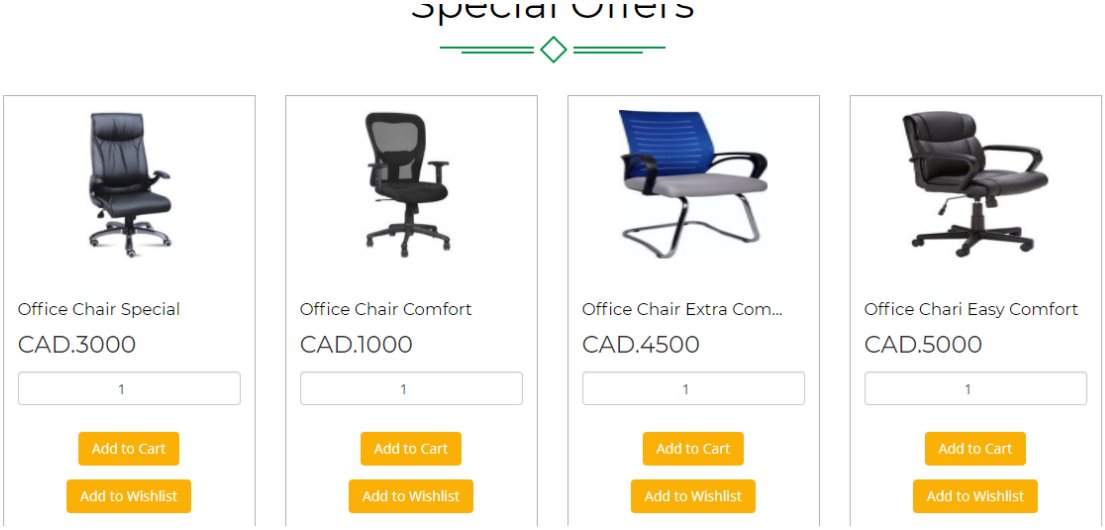
2. Register as user



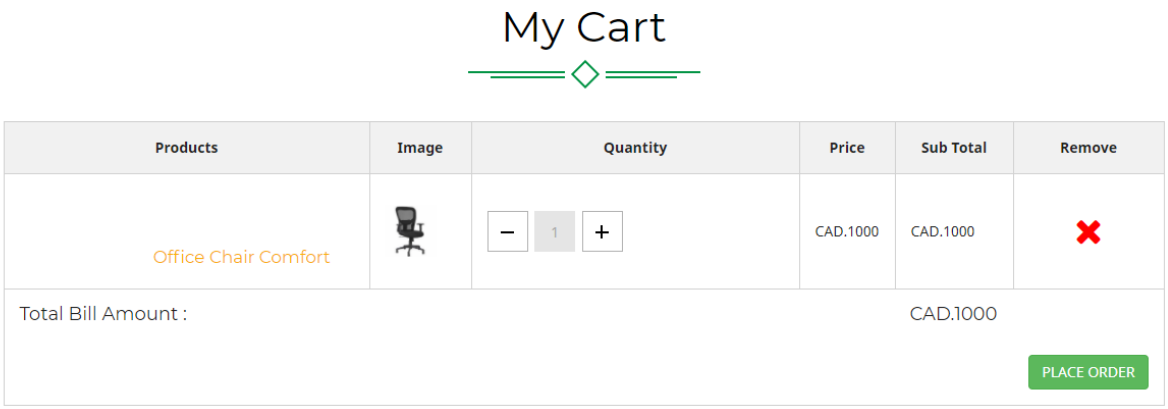
3. Log in



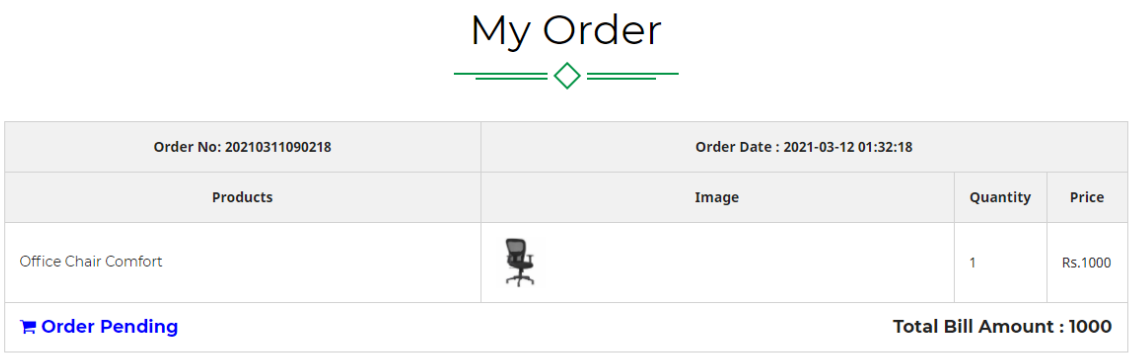
4. Purchase



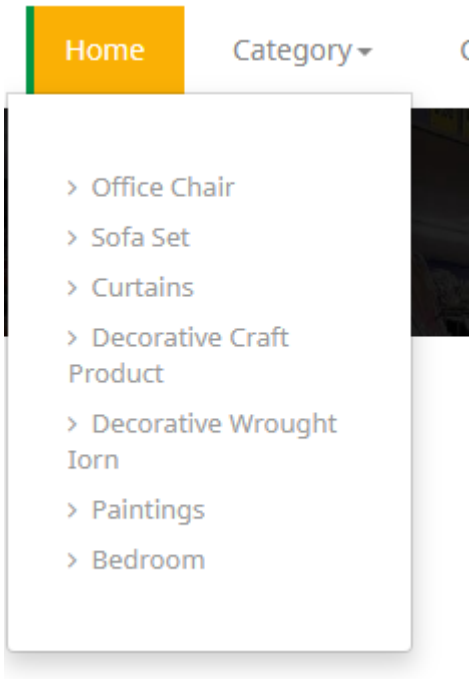
5. Get cart ready Place order



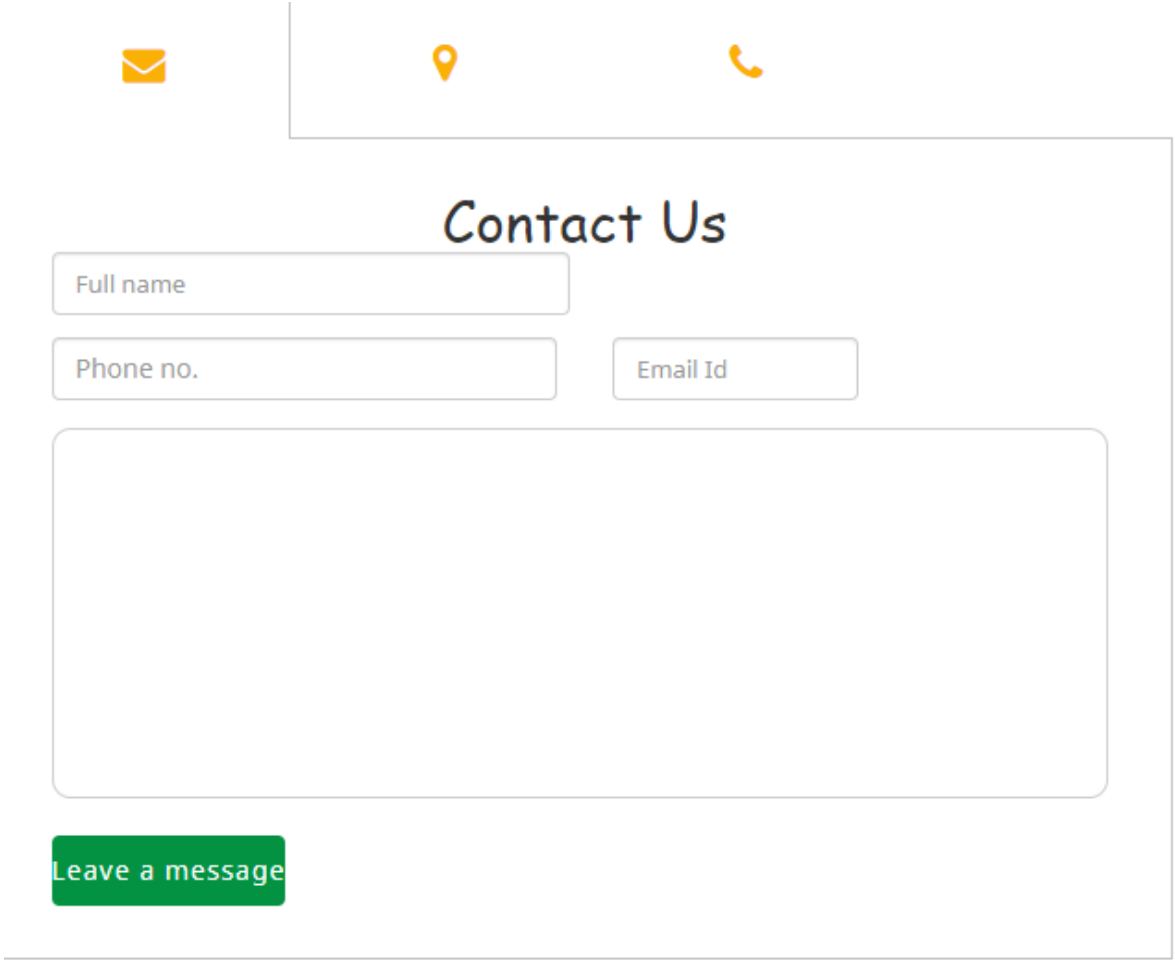
6. My order



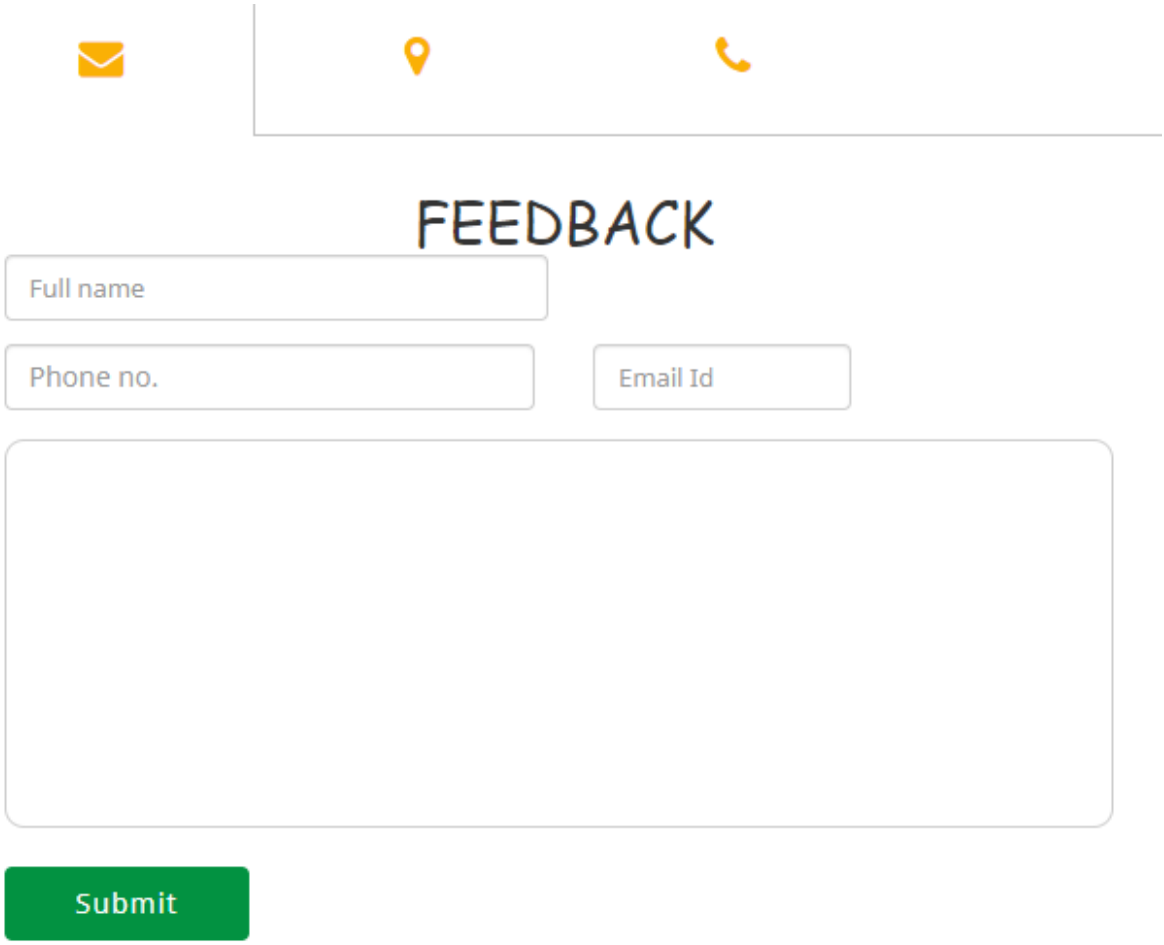
7. Choose from categories



8. Contact us

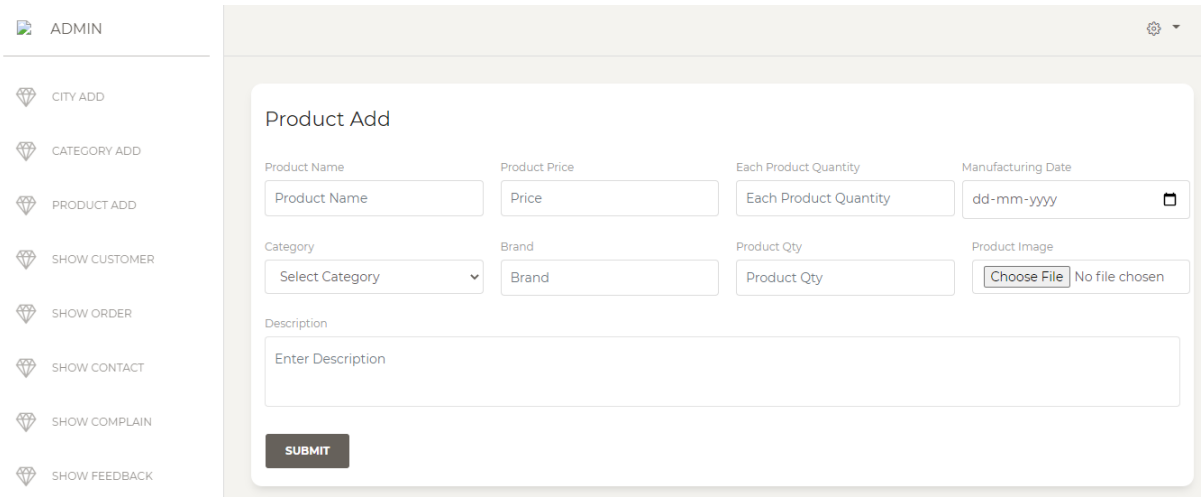


9. feedback



For admin

1. Login
2. Product management and other data management



Future suggestion

A suggestion is to provide an online payment feature. There can be new nearby locations of the system features. Other data can for big data systems.

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