



# Food Corner

Prepared for: Steve George  
[edu@pagerange.com](mailto:edu@pagerange.com)  
PHP Programming Capstone Project

Prepared by: Sargam Sanghani  
Sargam.sanghani@gmail.com

# Table of Contents

<b>TABLE OF CONTENTS.....</b>	<b>2</b>
<b>PROPOSAL FOR FOOD CORNER WEBSITE .....</b>	<b>3</b>
<b>1. INTRODUCTION .....</b>	<b>3</b>
<b>2. FEATURES AND FUNCTIONALITIES .....</b>	<b>3</b>
USER PORTAL.....	3
ADMIN PORTAL .....	4
<b>3. DATABASE .....</b>	<b>4</b>
USERS TABLE.....	4
PRODUCTS TABLE .....	4
CATEGORIES TABLE .....	5
ORDER AND ORDER_PRODUCTS TABLE .....	5
LOGS TABLE .....	5
<b>4. USE CASES .....</b>	<b>5</b>
GUEST .....	5
USER (AUTHENTICATED) .....	6
ADMIN .....	6
<b>5. SECURITY .....</b>	<b>6</b>
PASSWORD ENCRYPTION .....	6
XSS PROTECTION.....	6
SQL INJECTION PROTECTION.....	6
CROSS SITE REQUEST FORGERY.....	7
USER/ADMIN AUTHENTICATION: .....	7
<b>6. DESIGN MOCK-UPS .....</b>	<b>7</b>
HOME PAGE.....	7
ABOUT US .....	9
CONTACT US .....	10
PROFILE .....	10
MENU .....	11
LOGIN.....	11
REGISTER .....	12
ADMIN DASHBOARD .....	12
<b>7. SITEMAP .....</b>	<b>13</b>
FRONT-END SITEMAP .....	13
BACK-END SITEMAP .....	14
<b>8. PHYSICAL DATA MODEL.....</b>	<b>15</b>
<b>9. CONCEPTUAL DATA MODEL.....</b>	<b>16</b>
<b>10. BUDGET .....</b>	<b>16</b>
<b>11. TIMESHEET .....</b>	<b>17</b>
<b>12. INVOICE .....</b>	<b>18</b>
<b>BILL TO.....</b>	<b>18</b>
<b>SHIP TO.....</b>	<b>18</b>
<b>SUBTOTAL .....</b>	<b>18</b>
<b>TAX .....</b>	<b>18</b>

OTHER CHARGES .....	18
TOTAL .....	18
13. SITE BIBLE .....	19

## Proposal for Food Corner website

### 1. Introduction

Food Corner, a fast-food restaurant in Winnipeg, has been operating successfully for five years. They already have a static website and want to upgrade the same. They are looking for web development company to enhance their existing website and provide backend.

Their existing website has been built with HTML, CSS. Now they want to focus on PHP and SQL database making it dynamic and follow MVC pattern in PHP.

### 2. Features and functionalities

The overall goal is to provide backend to the existing website, allow people to order food from the website and store user and other data in database.

#### User Portal

- User should be able to register
- User should be able to login with secure password
- User should be able to update his profile
- User should be able to search the product from search bar
- They can navigate through menu tab, and get products by different categories
- Allow users to add product in the bag/cart
- User can view cart/order detail and checkout
- Users can view their profile
- User can contact us by submitting web form

## **Admin Portal**

- Admin should be able to login
- Admin can update his/her profile
- Dashboard page should be able to show aggregate data
- Admin can view latest 10 user logs from dashboard
- Admin can view orders, customers, categories, and products pages
- In products page, admin can read, add, update, delete products
- In categories page, admin can read, add, update, delete categories
- In customers page, admin can read list of customers
- In orders page, admin can read list of orders
- Admin should be able to logout

## **3. Database**

This project consists of total 6 tables: users table, categories table, order table, products table, logs, and order\_products table; including different data types such as integer, text, Boolean, varchar, datetime, char, decimal, enum, etc.

### **Users table**

Users table is created with the user registration. Making sure that email address is unique while registering. We get user information such as first name, last name, password, email address, contact number, street, city, province, country, postal code and whether user has subscribed to newsletter or not. Added a field named id which autoincrements on every sign up. Also, a field stating the role of the user, whether it is user or admin.

### **Products table**

Products table is used in both the panel user and admin. User can see the list of products by category from menu page. User can also see list of products by searching the product from search bar. Admin can add, update, delete products from the backend admin panel. This table should contain product id, title, description, product availability, price, excerpt, category, product image, creation and updating time, etc.

## **Categories table**

Categories table is used to store the list of related products. User can see the list of categories from the menu page and by clicking on any category, they can see products related to that category. Categories table should contain category id and title as a foreign key. Admin can add, update, delete categories from category page of the backend admin panel. Also, admin can add and remove products from particular category.

## **Order and Order\_products table**

For order and order\_products table, data is gathered from user panel when user makes any order from the website. These tables should contain fields such as order id, product id, quantity, price, taxes, subtotal, delivery charges, order date and time, etc. We can use these data to generate receipt of order of the user.

## **Logs table**

User activities will be logged in log table. We are tracking every user activity such as visiting every page, login, log out, etc. Admin can view last 10 logs from the backend admin panel.

# **4. Use cases**

## **Guest**

Guest is the user that is not registered. Guest can visit home, menu, about us, contact us, register and login page. He/she can use search bar to search products and redirect to products page, add products to the bag, but cannot make an order or visit profile page. They may ask to register or login first to access those pages.

## **User (Authenticated)**

Users can login or register. They can visit or update their profile. They can use search bar to search for products. Add products to the bag, modify their cart. Make an order. See their order list and logout from the website.

## **Admin**

Admin user can login to the backend admin portal, visit their profile, update profile. They can see aggregate data and user logs of the website. Can view, update, add, delete products and categories. They can also view customers and order details. And they can logout from the profile after all.

# **5. Security**

## **Password Encryption**

Making sure that password that user enters while registering has been encrypted, since without encryption, anyone (including hackers) that can access the database can easily access users password.

## **XSS Protection**

Protected both the front end and backend portal from Cross site script injections using `htmlentities()` and `htmlspecialchars()`. Making sure data is sanitized before displaying it on the browser.

## **SQL Injection Protection**

To prevent SQL injection, we have separated data from SQL. So that data will never be interpreted as commands by SQL parser. We have used prepared statements and parameterized queries to prevent SQL injection.

## **Cross Site Request Forgery**

Cross site request forgery is prevented using CSRF token, that is generated when user visits the website. This token is random string and will be compared to session token when user submits a form. This protection is provided in every form user submits.

## **User/Admin Authentication:**

We have provided security to prevent unauthorized access to anyone. Guest can only view pages or register, but cannot make purchase, visit profile, or view admin pages. User can only view all the pages, visit their profile, login, logout, but cannot visit admin pages. If they attempt to visit any unauthenticated pages, they are being redirect to home page with an error.

## **6. Design Mock-ups**

### **Home page**


[Login](#)
[Register](#)

[Home](#)
[Menu](#)
[About Us](#)
[Contact Us](#)


### We Provide



#### Live Tracking

Keeping track of your order from the restaurant to your doorstep is easy



#### Fast Delivery

We deliver fresh, on-time food with Food Corner's superfast delivery



#### Try Mobile App

With notified updates, enjoy the best experience with Food Corner

### Local Favourites



Copyright © 2021

Last Modified: 05/05/2022 11:45:04





## About us


[Login](#)
[Register](#)

[Home](#)
[Menu](#)
[About Us](#)
[Contact Us](#)

### Hi, We're Food Corner!



#### Food Corner

140 Queen Avenue | Winnipeg MB R4M 5D3  
888.667.8657 | 888.667.8658



#### Health

We use fresh, local, and seasonal ingredients in all of our creations. Our cooking is healthy, we think of you.



#### Hours

Monday - Friday: 12:30pm-10pm  
Saturday: 12pm-10:30pm  
Sunday: 12pm-11pm



#### Fast Service

Your time is precious and we adapt to your needs, guaranteeing speed both in preparation and delivery.




Copyright © 2021

Last Modified: 05/05/2022 11:47:39



## Contact us





[Login](#) [Register](#)


[Home](#) [Menu](#) [About Us](#) [Contact Us](#)


## Let us know what you think!

How can we help you? \*











Copyright © 2021

Last Modified: 05/05/2022 12:33:25



## Profile








[My Profile](#) [logout](#)

[Home](#) [Menu](#) [About Us](#) [Contact Us](#)

## My Profile


- Personal information
  - First Name: Sargam
  - Last Name: Sanghani
  - Email address: sargam@gmail.com
  - Phone: 323-432-4234
- Mailing information
  - Street: 65 Portage Ave
  - City: Winnipeg
  - Province: Manitoba
  - Country: Canada
  - Postal Code: R4B 5H2




   

Copyright © 2021

Last Modified: 05/05/2022 15:06:05



## Menu



[Login](#)
[Register](#)

[Home](#)
[Menu](#)
[About Us](#)
[Contact Us](#)

### Categories:


- [Pizza](#)
- [Sides](#)
- [Drinks](#)
- [Sandwiches](#)

### Sides




**BBQ Chicken Pizza** 15.99 \$

Loaded with all-white-meat chicken, bacon, fresh onions, green peppers, and mozzarella and cheddar cheese




**Chicken Wings** 8.99 \$

A juicy piece of chicken with all white meat served with a sauce of your choice.




**BBQ Chicken Pizza** 15.99 \$

Loaded with all-white-meat chicken, bacon, fresh onions, green peppers, and mozzarella and cheddar cheese




**Chicken Wings** 8.99 \$

A juicy piece of chicken with all white meat served with a sauce of your choice.



Copyright © 2021  
Last Modified: 05/05/2022 15:02:24

## Login


[Login](#)
[Register](#)

[Home](#)
[Menu](#)
[About Us](#)
[Contact Us](#)


### Login

Email Address:

Password:


[Login](#)
[Clear](#)

New to food corner? [Register](#)



Copyright © 2021  
Last Modified: 05/05/2022 12:34:51

## Register


[Login](#)
[Register](#)

[Home](#)
[Menu](#)
[About Us](#)
[Contact Us](#)

### Sign Up

#### Create Your Account

**First Name \*:**

**Last Name \*:**

**Password \*:**  
 Must contain at least 8 characters, a number and a special char

**Confirm Password \*:**

**Email Address\*:**

**Phone \*:**

**Street \*:**

**City \*:**

**Postal Code \*:**





**Province \*:**

**Country \*:**

☐ Subscribe to newsletter

[Submit](#)
[Clear](#)

Already have an account? [Login](#)

Copyright © 2021

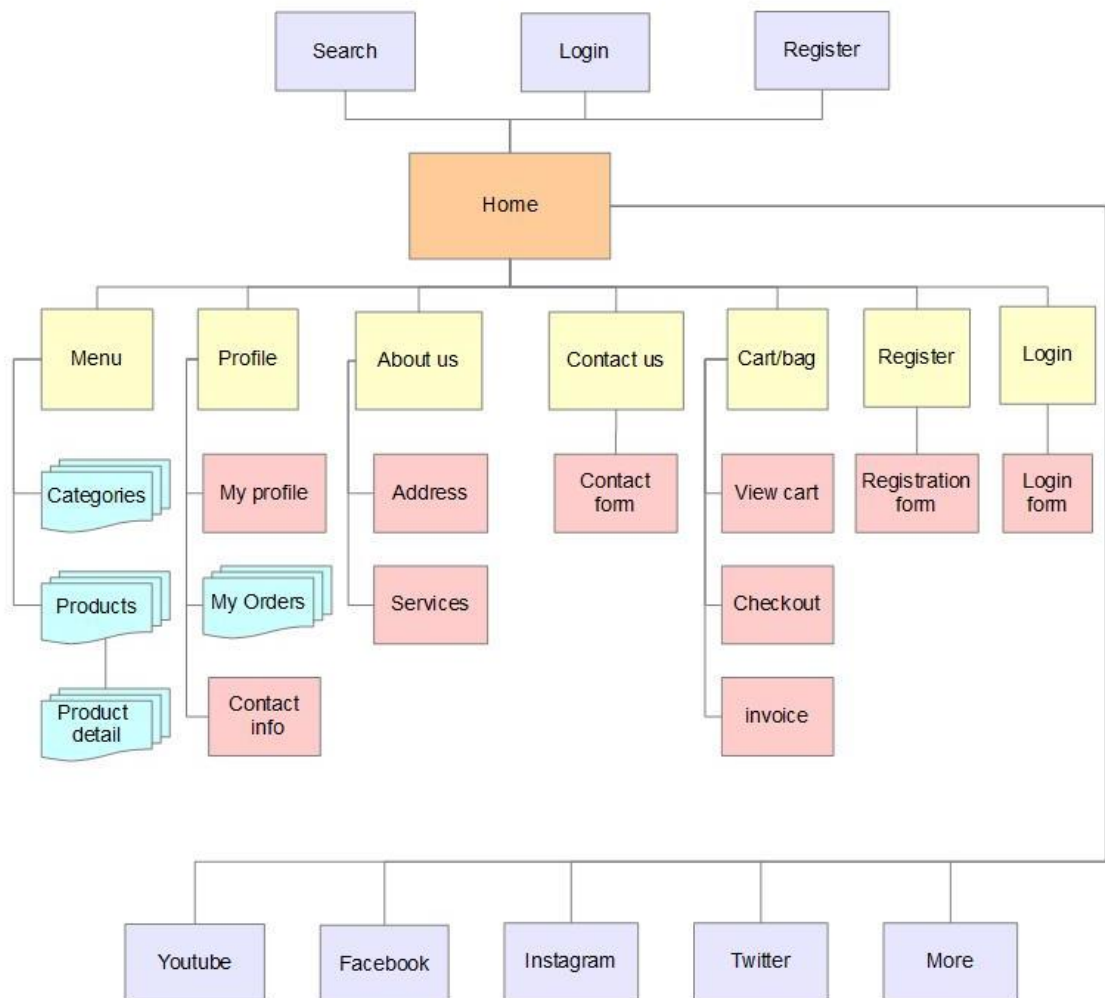
Last Modified: 05/05/2022 12:37:27

## Admin dashboard

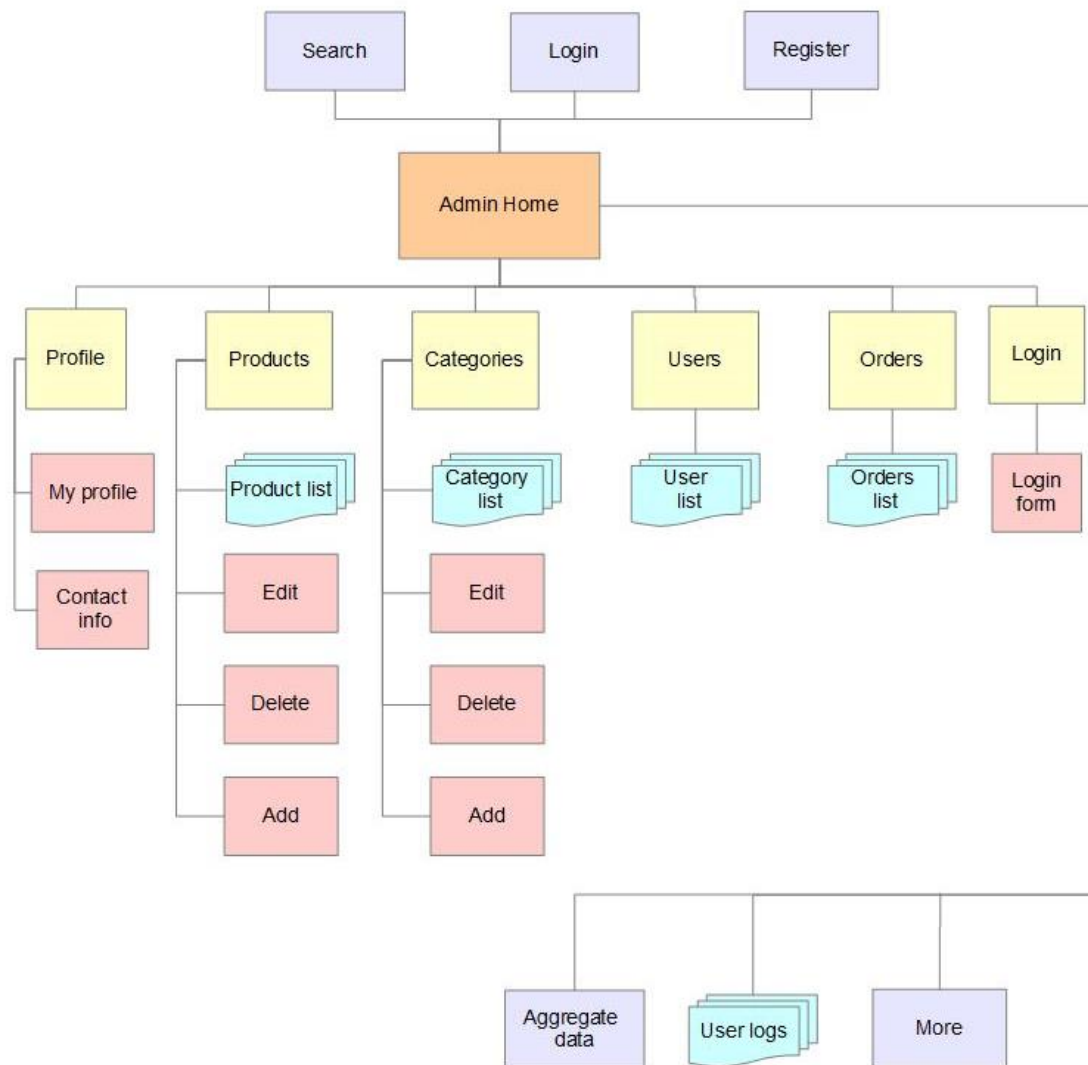
Admin Dashboard	Home	Users	Products	Categories	Logout
<b>Dashboard</b>					
<b>Recent Log Entries</b>					
Date	Request method	Request URI	HTTP status code	Browser detail	
2022-05-05 15:02:24	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:02:19	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:02:18	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:02:13	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:02:01	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:01:06	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:00:42	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 15:00:37	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 14:42:21	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	
2022-05-05 14:40:13	GET	p=item-detail	200	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/100.0.4896.127 Safari/537.36	

## 7. Sitemap

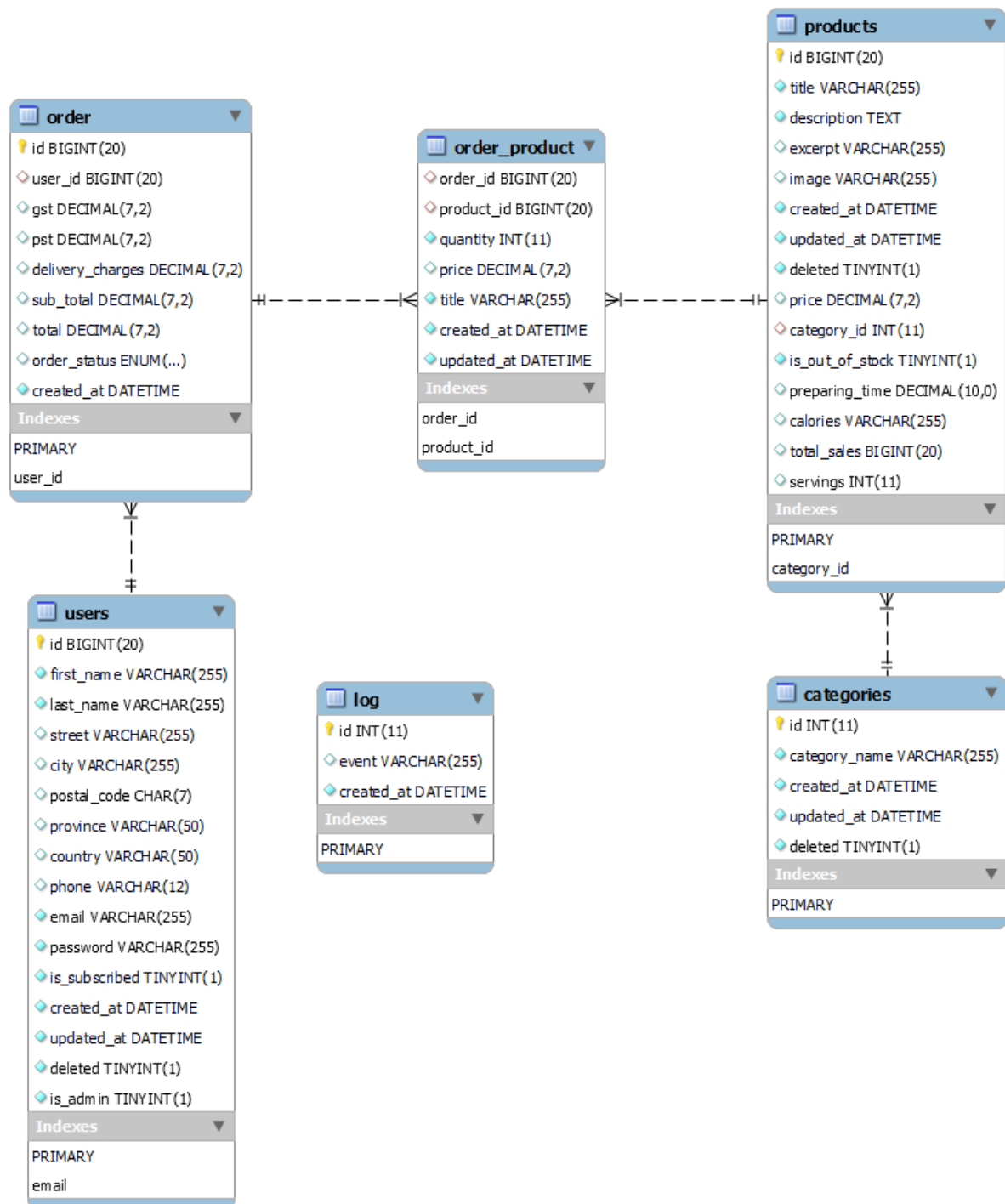
### Front-end sitemap



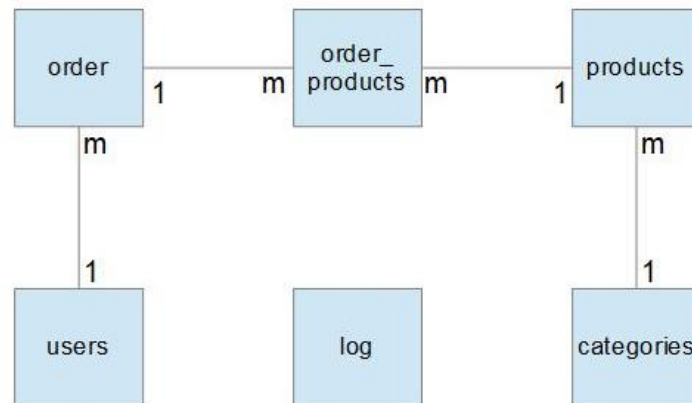
## Back-end sitemap



## 8. Physical data model



## 9. Conceptual Data Model



## 10. Budget

Description	Price	Hours
Planning / Exploration	\$0.00	4
Design / Content	\$0.00	14
Coding / Programming	\$0.00	32
Launch / Maintenance	\$0.00	2
Total:	\$0.00	62 hours



## 11. Timesheet

Task	Estimated Time
Created six tables in the database and made connection between them	2 hrs
Inserted at least 20 records in primary table, i.e., products	2 hrs
Converted HTML files to PHP	1 hr
Created MVC folder structure for PHP	3 hrs
Created new static profile page	2 hrs
Created new static product detail page	2 hrs
Created new login page with validation	2 hrs
Created common classes and validators	4 hrs
Created admin dashboard page	3 hrs
Created log entry on every page visit of users	1 hr
Displayed latest 10 logs on admin dashboard	3 hrs
Redesigning of existing pages	4 hrs
Displayed dynamic data to the products page	6 hrs
Created search product functionality	3 hrs
Created add to cart functionality	3 hrs
Finalize all the functionalities	4 hrs
Testing and debugging	5 hrs
Launch	2 hrs
Total:	52 hrs

## 12. Invoice

Infinite IT Solutions  
45 Royal Street,  
Winnipeg R4D 6F4  
MB Canada



INVOICE NO. : A63284

DATE: 05-MAY-2022

**BILL TO**

Food Corner  
140 Queen Avenue  
Winnipeg R4M 5D3  
MB, Canada

**SHIP TO**

Food Corner  
140 Queen Avenue  
Winnipeg R4M 5D3  
MB, Canada

INDEX	DESCRIPTION	UNIT PRICE	QUANTITY	TOTAL
1	Planning database	0.00\$	1	0.00\$
2	Design database	0.00\$	1	0.00\$
3	Coding/Programming	0.00\$	1	0.00\$
4	Launch/Maintenance	0.00\$	1	0.00\$
SUBTOTAL				0.00\$
TAX				0.00\$
OTHER CHARGES				0.00\$
<b>TOTAL</b>				<b>0.00\$</b>

Thank you for your business!

### **13. Site Bible**

- Hosting Company  
Amazon Web Service
- PHP Version  
8.1.2
- IP of Server  
99.79.186.181
- URL of Project  
<http://capstone.sargamscorner.xyz/>
- Admin credentials  
Email: [admin@foodcorner.ca](mailto:admin@foodcorner.ca)  
Password: admin@123
- User credentials  
Email: [sargam@gmail.com](mailto:sargam@gmail.com)  
Password: sargam@123