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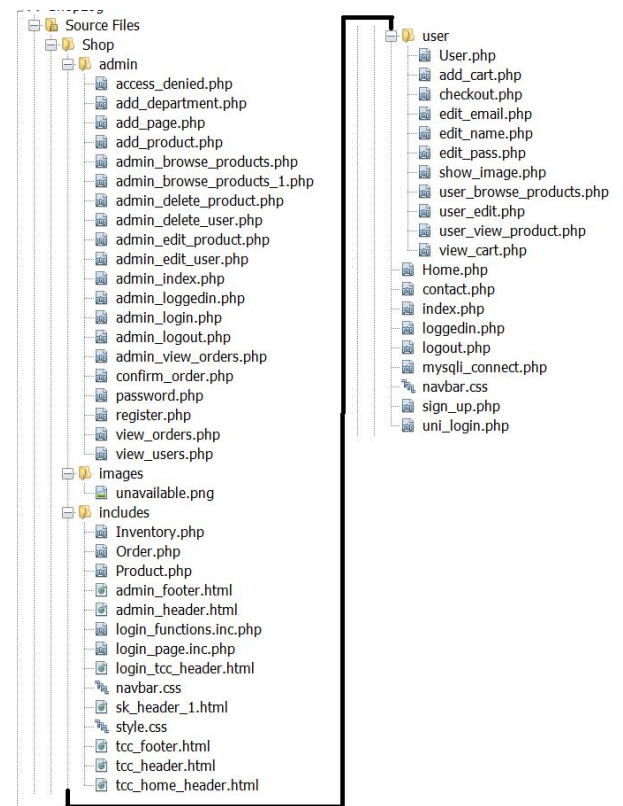
Individual Project: Shopping Cart (The Coffee Connoisseur)

Introduction:

The Coffee Connoisseur (TCC) is the destination for coffee fanatics who are disgusted by the quality of Starbucks and can't stand the taste of adulterated coffee. TCC is not your every-day coffee retailer, but rather a platform that shares the love of coffee with those who are worthy of adoring it. TCC is a huge project and way beyond the capabilities of its creator. Therefore, though the platform carries a lot of features, it falls short on fulfilling some of the requirements of the shopping cart project.

MVC:

TCC, like the survey engine, lacks an MVC design, but features numerous PHP pages that serve the purpose of modifying the view to the user and the admin. Since the survey incorporates multiple forms, not including the user login and updates, it was quite difficult to adopt an MVC design for the project. Nonetheless, the presence of headers and footers on every page will make the transition between different pages quite smooth.



Objects:

TCC was supposed to feature a Product, Inventory, and an Order classes. However, doing the conversion to classes for such monstrosity is quite the challenge. Had the platform been programmed in an object-oriented matter from the beginning, the task would have been easier.

PHP Classes:

1. User.php: A class that assists the user in creating an account to save the user's score. It also allows the user to change their name, password, and email address. Moreover, it can check the login credentials to determine if a user with the entered credentials exists.

Reading/Writing Files, Local Storage, and JSON:

NA: No concept under this category was used in making Survey Kendi

Databases and MySQL:

A MySQL database was utilized to hold three enums and one two tables:

1. entity_dept: Department entity (Should have been enum_dept)
2. entity_prod: Each product has an id, a name, a price, a description and an image.
3. enum_user_level: Different levels assign accounts different rules.
4. entity_user: Holds a record of all users, admins and non-admins.
5. entity_order: Holds the total and order date order of the user's order.
6. entity_order_contents: Holds the the products and their quantities in an order.

Form Validation:

Form validation was implemented in the sign_up.php page to prevent the user from creating an account without the proper format for:

1. First Name: Must be in English letters only.
2. Last Name: Must be in English letters only.
3. Password: Must be 6~20 characters length, include one upper-case, one-case, and one special character.
4. Email: Must follow the general format for an email (eg. a@b.com)
5. All products must have a name, a price and a department.
6. All questions must have a definition, a category, and at least two answers

User-Admin Login:

The uni_login.php is a login page for both users and admins, and will redirect each of the to their proper page. Admins can add products and departments, register admins, view and confirm orders. Users, on the other hand, can only participate. Users can make orders only.

The diagram illustrates the login process for 'The Coffee Connoisseur' website. It shows the 'Uni_login.php' page with a login form and two possible outcomes based on the user role.

Uni_login.php

The login form includes fields for Email Address (e.g., y@c.com) and Password, with a 'Login' button.

Admin

After logging in as an Admin, the user is redirected to a dashboard with the following options:

View Products	View Users	Change Password	Logout
Add Products	Register an Admin	Add Departments	View Orders

The dashboard also displays a 'Logged In!' message: 'You are now logged in, Valued!' and a 'Logout' link.

User

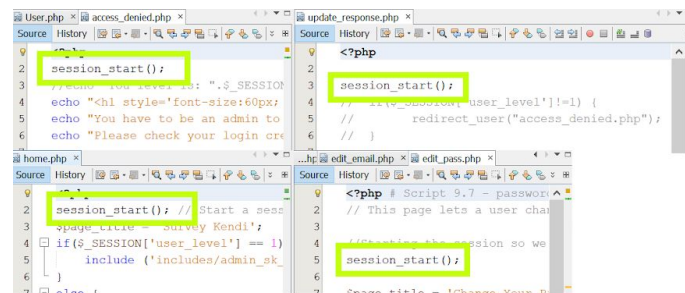
After logging in as a User, the user is redirected to a page with the following options:

Discover Our Collection	View Your Cart	Contact Us	Logout	Omar
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The user page also displays a 'Logged In!' message: 'You are now logged in, Omar!' and a 'Logout' link.

Cookies, Sessions, and Securing Pages:

Sessions are used on the top of every single page to determine whether or not the user has logged-out. Hence providing the proper header element and the correct redirections. Also, sessions are used to prevent non admins from accessing admin pages.



ERROR 001: Access Denied!

You have to be an admin to access this page.
Please check your login credentials.

Code for The Coffee Connoisseur are available [here](#).