Implementation Document

Shop Page

Important files:

- shop.php
- listProd.php
- shop.js

Description

The shop page is where users, signed in or not, may look up and filter through items that are available for purchase. Shop.php contains the page that the user begins on, via clicking on the shop link in the nav or directly searching for an item through the nav. Further, listProd.php utilizes the ajax in shop.js to generate a request that finds items specific to the filter items the user will find to the left. The items on this page will show the item title, picture, price, and user rating average. At first, the user will see ten items that they may scroll through, but they can navigate further through the results by clicking the next and previous buttons at the bottom of the results, which will navigate through 'pages' of the results (also utilizing ajax) so long as there is more available.

Item Page/Shopping cart

Important files:

- Item.php
- shoppingcart.php
- addReview.php
- removeReview.php
- addToCart.php
- changeInCart.php
- removeFromCart.php
- item.js
- changeInCart.js
- removeFromCart.js

Description

The item page is where users navigate to through the shop page by clicking on an item's name or picture. Here, the user will see a more in-depth description of the item, a larger picture, the available stock, and the reviews for it. If logged in, the user will also be able to write reviews, rate this item, and add it to their cart, assuming it isn't already in the cart. Below the item description is the aforementioned reviews, and reviews that have been written by the logged in user will have an option to be removed. The add to cart button utilizes ajax in the addToCart.js file to have the item appear in the cart (accessible as a drop-down from the nav) and be editable in real time, if the item is in stock. From the shopping cart display, the user may change the quantity of any items in their cart in real time using changeInCart.js ajax. The quantity is checked against the current stock at the time of checkout. From this display they also may remove items completely from their cart in real time (removeFromCart.js) by clicking the grey X near each item.

Checkout

Important files:

- checkout.php
- processCheckout.php
- checkout.js

Description

The checkout page shows the user the summary of their order before it is placed. If the user has no items in their cart they will not be able to access this page. From here the user may place their order, but if they do not click the confirmation box first an error message will be shown using checkout.js. Once they successfully place the order, their cart will be emptied and their order will be placed in the database. The user is then redirected to the index.

Navigation bar

Important files:

- nav.php
- nav.js

Description

The nav is the bar across the top in every page. As its name would suggest, it is used by the user to navigate throughout the website. It links to shop.php, checkout.php, item.php, customerpage.php, and can make requests and searches itself. It handles the customer registration and sign-in/signout and the shopping cart is accessed directly through it. For the admin, it links to the add product, view/edit products, customers, sales, and reviews pages. This feature is the lifeblood of our website.

Account Features

Important files:

- customerpage.php
- forgotpassword.php
- logout.php
- processForgotPassword.php

- processForgotPassword2.php
- processLogin.php
- processRegistration.php
- customer.js
- forgotPassword.js

Description

The account features and options span many different files, all connected to the nav. A user that is not logged in may click "register" or "sign in" on the nav, providing them a modal "pop-up" screen where they may input their information. For registration, this includes providing a picture, email, full name, password, address, and payment information. For signing in, they only need to provide their email and password. If a user were to forget their password, they can click "Forgot Password" from the sign in page. This will email them a hashed and salted link that allows them to reset their password (this is a lot more complicated and sophisticated than how it comes across in this sentence. Check out the files!). From the customer page, accessed from the profile picture in the nav, the user may see their information, as well as a list of their orders, and a form to change their password.

Admin Home Page

Important files:

- admin-home.php
- admin-home-ajax.php
- admin-home-ajax-2.php
- admin-home.js

Description

The admin home page is the first page the admin sees when he/she logs in. On the left hand side, the admin can view today's stats for orders, revenue, and items sold. On the main screen, the admin will find informational charts that update every 60 seconds to provide recent data. These charts include a chart for counting orders/items sold across days, a chart for total revenue across days, and a pie chart showing which categories of items are selling the most.

Admin Portal

Important files:

- admin-comments.php
- admin-customers.php
- admin-listProd.php
- admin-new-product.php
- admin-orders.php

- admin-products-details.php
- admin-products.php
- deleteComments.php
- disableUser.php
- enableUser.php
- processNewProduct.php
- updateProducts.php
- admin-nav.php
- admin-nav.js
- admin-shop.js

Description

The admin-new-product.php page consists of a HTML form validated by JavaScript for the user inputs. The form is submitted to processNewProduct.php using POST method. An available pid is chosen by going through all the items in the product table, and the new product is inserted into the database. The picture of the product is validated on the server side (in addition to client side validation) and directly added to the database.

The admin-products.php page is very similar to the shop.php page that the user/visitors view, except the admins are taken to the admin-products-details.php, where the pid is passed via GET method. The current product information is retrieved from the database and displayed in a HTML form for admins to be able to make edits. The categories are retrieved separately based on if they are selected using SQL subqueries.

The admin-customers.php page allows the admin to view the comments and orders associated with each user by submitting a search in corresponding page via GET method. The "Disable User" link passes the user email to disableUser.php which moves the entry from the customer table to disabledCustomer table. In order to keep the billing information connected to the disabled customer, the bill_id of the corresponding user is retrieved from the visa/mastercard table and added to the corresponding entry in disabledCustomer table. All comments that the user made are deleted by having the table set as "ON DELETE CASCADE" in database. The orders are maintained in the database by having the table set as "ON DELETE SET NULL".

The "Enable User" link passes the user email to enableUser.php which moves the entry from the disabledCustomer table to customer table. The user email was added back to the visa/mastercard table based on the bill_id is retrieved from the disabledCustomer table. One limitation of the website is that if a user is disabled and enabled, the orders cannot be associated again with the user.

The admin-orders.php page uses two queries to retrieve the orders and the items in each order and display them in one table. Orders can be searched by order date or user email. The "LIKE" keyword is used so that the search does not have to be the full user email or order date. One limitation of the page is that the search does not support searching specific products.

The admin-comments.php page allows the admin to delete comments by passing the primary keys of the comment to deleteComments.php via GET method. All of the pages of the admin portal checks the state and redirect if necessary.