

Jacob's Performance

Jacob's Performance E-commerce Store

- Our App is an E-commerce site that has automotive products and services for sale.
- A user cannot add items to the shopping cart, view the cart or the tips and tricks page unless they are logged in.
- When a user logs in their username is displayed at the top after the site's slogan on each page, followed by a log out link.
- Our App offers a responsive design using sections that will stack one on top of each other when the view port size is reduced. The login page text size is increased as well, and the checkout page removes the item "id" element, to better fit the reduced window size.

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Project Programming Languages

- Our website stack uses XAMPP, Apache, MariaDB, and PHP for the backend. XAMPP is a free open-source cross-platform web server solution that runs on a local machine to host the databases. It uses Apache for the server and MariaDB as drop in replacement for MySQL requests and phpMyAdmin as

the GUI for MySQL database management. PHP is used to handle the backend MySQL query requests, to add or remove database items etc.

- Our website uses CSS, JavaScript, html, and PHP for the frontend. CSS is used for most of the styling and screen size adaptation. JavaScript is used for user prompts and handles some functions such as form submission.



- HTML is used as the markup language within a PHP wrapper. PHP is used on all the pages to render different tags visible for different users.

Project Challenges

- The most challenging part of the website involved integrating the login page and features, especially storing the previous page in a variable so the user would be directed back to that page after logging in.
- We also struggled with requesting the cart items by user ID and submitting it as an email for each new order. Our team worked through this together and now it works well.
- Other challenges involved clearing our web cache so that new CSS changes would show up and getting the @media CSS query to detect different screen sizes.



- Our future work will involve implementing a new user signup page that will create a new user and password in our database.

- We would also like to implement a secure credit card checkout system, perhaps integrating alternate payment methods as well such as PayPal.
- Another feature we would like to add is a management profile that could use the website to add new items to the cart instead of manually adding them using phpMyAdmin.