1-Stop Car Shop

John Camargo, Kylie Sanchez, Jackson Seales, Lucas Estevez

Set-up and Execution

* Visit <site domain>
* Unregistered users can browse available cars and navigate to all pages except for the sell page and saved cars page.
  + If a user is trying to access the sell page without being logged in, it will re-direct to the login/register pages.
* If you try to register an account, the user logo in the top right corner of each page will link to the necessary pages.

Program Functionality

The software is run through an online site hosted between both GitHub Pages and Render. The static pages are hosted through GitHub Pages and the other pages are hosted through Render to allow us to execute the necessary Python code for our Price Estimator.

Something

Papa Parse

Our software uses an external resource called Papa Parse. This is a CSV parser using JavaScript that we implemented to parse through our car data and display it to our various webpages. As we parse through the CSV, each row is appended to an HTML class. Due to the large size of our data, we used the step option provided by Papa Parse which streams the input. This can result in slower load times depending on the file’s relative location but felt necessary for the size of our files due to limited browser memory.

Papa Parse GitHub: <https://github.com/mholt/PapaParse>

SQLite3

Our software uses an external database tool called SQLite3, a software library that provides a lightweight database engine which allows us to store our user-login information.

BCrypt

In order to store our user data securely, we use BCrypt to hash our users’ passwords before storing them in our database so we do not keep plaintext passwords stored.