John's List Ecommerce Site
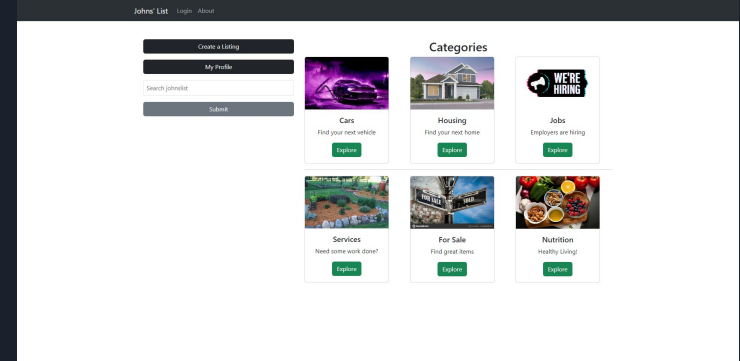## (Craigslist Lookalike)

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John's List Overview

Purpose - The objective of this app is to allow any user to have a platform on where they can log in and sell any item they please. The user is also able to go in and look at items that are under any respective category. This app allows the user to sell or buy anything from a car to a simple toy,

- LogIn/Sign up.
- Sell any item
- View any items for sale in app.
- Simple UI
- Have the ability to create/edit/remove items

App Functionalities

Log In/Sign Up

- User is able to log in with an account and start using the app, If user does not have an account they are able to create one.

Access Categories

- Upon Login the user is able to use the main page as a guide to figure out the products they are interested in

Create Listing/Edit Listing/Removing Listings

- User is able to create listing by entering their name, contact number and a short description of the item.
- User is able to Edit listing in case there is some type of mistake in the users original listing
- Once item in listing is sold the seller is able to remove the item.

App Instruction

- App contains an about page on where the user can view and read about how easy it is to post and view listings
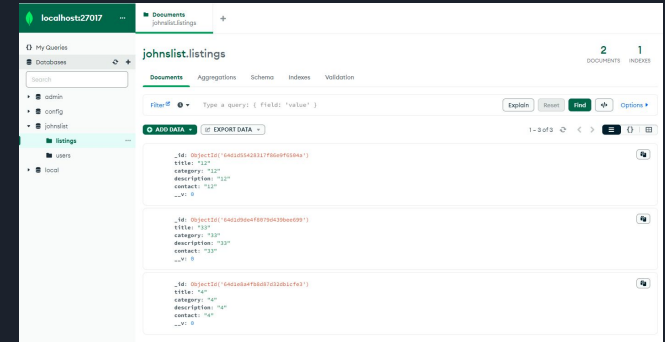
Project - PHASE 1

Phase one implemented the UI of the entire project, We wanted to create all of the pages that would be associated with the app that way we have more of an understanding of how everything was going to work in the backend.

- Login Page
- Register Page
- Home Page
- About Page
- Listing Page
- Button layout.

Project - PHASE 2

For Phase to we implemented everything needed to make the app work properly. This was the back end portion of the design Once we got the UI portion down we knew what we wanted to accomplish. This led us to to do the following

- Link pages together to work as one
- Displaying the listings and other dummy listings
- Developing the code for the functional components
- Creating a Database
- Linking API endpoints

Project Challenges & Lessons

Bootstrap

- We learned that bootstrap is an open source front-end development framework that helped us with the development of our app.
- React endpoint API connections - This presented a big problem for us as the API framework wasn't stable due to hard drive limitations on the testing PC
- Implementing the MongoDB - The mongo database itself represented a challenge as we had never used mongo before this, however, it was a lot of fun to learn how to use a NOSQL database and figuring out querying, CRUD, etc… was a difficult yet rewarding challenge

Final Product

For the final product we (almost) accomplished everything We intended to accomplish.

- Being able to link user account to dataBase and use created username and password to log in
- Being able to Add/remove listings under the categories provided.
- Being able to display Listings under categories to shown
- Being able to view Dummy Listing with pictures, seller names, contact number and description.
- The one drawback to our site that we were not able to implement the dynamic updating of new listings, however, this wouldn't be hard to implement given more time