

Overview:

I want to create an app that can scan any product and show results for that same exact type of product but from a black owned business. I am designing the app so that it is easier for consumers to access products from black owned businesses that are just as good as the products. For example, I want users to be able to scan a cerave facial moisturizer bottle with their phone camera and see a page with results of facial moisturizers from black owned businesses. The results should show the image of the product, the name, the company, and the price. There should be a history button that shows past scan results. I also want users to have a store view option that has a mobile storefront with all the products in there. The store should have a search function, a filter function, and a saved product with a list function. The camera should allow for flash.

Skills Required

- Python
- ChatGPT API
- Camera Abilities
- Suggest more

Frameworks:

- Search from image scanning source (Apple or Google)
- Search for mobile storefront framework that pulls from JSON
- Suggest more
- I have a json already with 87k products. If you know a better way to get even more DEFINITELY black owned products suggest it.

Key Features:

1. Mobile Camera Product Scanner
 - a. App opens to live back camera view with scan button in the center. Flashlight button in bottom left. History button in bottom right. Shop button in top left (reference Key Feature #2).
 - b. Mobile camera used to scan the product
 - c. Scan processed
 - d. Window with results of same type of product (like liquid body soap) from black owned businesses slides up from the bottom of the screen
 - i. User can click on one of the products in the page of results and see a product view with an image, the name of the product, the price, and a link to buy it from the shop's website
 - e. User can return to home page (part 1a listed above)
 - f. User clicks on history button in bottom right of screen

- i. History window page pops up from the bottom of the screen, shows previous scan results with eg. "search for 'facial moisturizer' at the top of the screen)
 - ii. Arrow buttons in top left to go to previous and next scan result history
2. Shop View
- a. Shop view of black owned products appear
 - i. UI order
 - 1. Shopblack logo at the top centered
 - 2. Saved List Button in top right
 - a. Search
 - b. Category Buttons
 - c. Product Cards
 - i. All hearted
 - 3. Back Button
 - a. Return to home page (Key Feature 1a)
 - 4. Search bar below
 - 5. Category button row infinity horizontal scroll
 - 6. Products listed below
 - a. Product Cards
 - i. Product image
 - ii. Product name
 - iii. Company
 - iv. Price
 - v. Buy Button
 - 1. Link to product on external site
 - vi. Heart Button (for saved list button)

UX/UI Notes

1. User experience should be quick, easy, and visually-pleasing.
2. Design should be clean and consistent. Every product card should look the same.
3. Website Reference: <https://www.apple.com/store>
 - a. This is apple store website is THE design reference. We're using SF pro display for everything. Pull the official apple design CSS rules (typography, padding, effects, etc.)
4. The design should be sophisticated in its rules. We want to reference the apple design because they have perfect the user experience in terms of their strict yet pleasing and encompassing design rules.

IMPORTANT NOTES:

- Please prioritize pulling existing frameworks for the app when possible. I believe the best way to go about building this app is not for AI to have to make all of this from scratch. I

think people have done similar to what I'm trying to do, just not my idea specifically, and if they have frameworks we can use that already worked for what I'm trying to do then lets do it. Obviously I understand you'll have to adjust where needed but you get what I mean.

- The site should be reliable and built to hold hundreds of thousands of products if needed.
- The site should be designed well in terms of the CSS rules used. The images should be presented super cleanly too. Everything is consistent design wise that's the key. A super smooth experience. We're referencing apple design all the way.
- We want the user experience to be super smooth. They should fulfill our user journey very fast, from scan to perfect product result link, or search to perfect product result link.
- There's gonna be a LOT of products on the app. Lets make sure we understand that and load them in wisely. Frameworks already exist that work this out well (lazy loading, etc)
- I want you to be confident in this project. You are a top tier code expert that doesn't get stuck trying to build code because you rely on existing frameworks you can tweak towards what I'm trying to do, because that's what works best. Don't just tell me i'm right or try to please me. I don't care about you being nice or agreeing with me when I'm wrong. I need the best possible product.