

CSC 510 Software Engineering

Group 14



SHOPS SYNC

Introduction

- Are you constantly searching for the best online deals? ShopSync is your ultimate companion, automating price comparison across major platforms like Amazon, Walmart, Target, BestBuy, Costco, and eBay. This publicly accessible web API framework eliminates the hassle of manual browsing, saving users more than 50% of their time.
- Built on a modern and flexible technology stack, ShopSync offers developers an exciting opportunity to explore cutting-edge tools such as web scraping with python, API integration in Flask, and Chrome extension development.

ShopSync (Phase 4) vs. ShopSync(Phase 3):

- Enhanced Time Savings:** Reduces deal comparison time significantly compared to manual browsing.
- User-Friendly Interface:** Simplifies interactions with e-commerce platforms using intuitive APIs.
- Increased Data Flexibility:** JSON response formats allow customized data usage across different applications.
- Real-Time Data Access:** Offers instant access to current pricing and availability, unlike static datasets.
- Comprehensive Source Coverage:** Access to a broader range of e-commerce platforms compared to existing solutions.

Upcoming Improvements(Phase 5):

- Enhanced User Interface (UI)**
 - Goal: Create a more visually appealing and user-friendly interface that enhances the overall shopping experience.
 - Implementation Plan: Develop new design mockups that focus on intuitive navigation and accessibility. Implement responsive design principles to ensure compatibility across devices.
- Favorites Feature**
 - Goal: Allow users to easily save and access their favorite products for quick reference.
 - Implementation Plan: Develop a "Favorites" section in the user account area. Implement functionality for users to add or remove items from their favorites. Ensure favorites are stored in the user's account and are easily accessible during future visits.
- Search History**
 - Goal: Enable users to view their previous searches to quickly revisit products they are interested in.
 - Implementation Plan: Implement a search history feature that logs user queries and displays them in the search bar dropdown. Provide an option for users to clear their search history as needed.
- Authentication Addition**
 - Goal: Strengthen user account security and streamline the registration/login process.
 - Implementation Plan: Implement a secure authentication system. Revamp the registration and login forms for simplicity and efficiency, ensuring user data is securely handled.

The project has 8 test cases, to check functionality and reliability across critical components of the grievance management system!

GITHUB

Group Members

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Product	Description	Price	URL to website	Website	Rating
Apple iPad Air	Apple iPad Air 1st Gen. A1474 (9.7" Space Gray) 32GB WiFi (M07BLL/A) - GOOD	3.990000	https://www.ebay.com/itm/Apple-iPad-Air-1st-Gen-A1474-9-7-Inch-Space-Gray-32GB-WiFi-/17217028501	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple iPad Air	Apple iPad Air 2 16GB, 9.7in - Silver Bundle	46.750000	https://www.ebay.com/itm/Apple-iPad-Air-2-16GB-9-7in-Silver-Bundle-/2670122831	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple iPad 6th	Apple iPad 6th Gen. 32 GB, Wi-Fi, 10.2 in - Random color - Bundle - Daily Deal	74.320000	https://www.ebay.com/itm/Apple-iPad-6th-Gen-32-GB-Wi-Fi-10-2-Inch-Random-color-Bundle-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple iPad 7th	Apple iPad 7th Gen. 32 GB, Wi-Fi, 10.2 in - Random color - Bundle - Daily Deal	109.850000	https://www.ebay.com/itm/Apple-iPad-7th-Gen-32-GB-Wi-Fi-10-2-Inch-Random-color-Bundle-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple iPad 8	Apple iPad 8 (8th Gen.) - (2020 Model) - 32GB - Wi-Fi - A2275 - Good	149.000000	https://www.ebay.com/itm/Apple-iPad-8-8th-Gen-2020-Model-32GB-Wi-Fi-A2275-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple iPad 9th	Apple iPad 9th Gen 10.2" - 64GB - WiFi Only - Very Good	189.990000	https://www.ebay.com/itm/Apple-iPad-9th-Gen-10-2-64GB-WiFi-Only-Very-Good-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple - iPad	Apple - iPad 9 with Wi-Fi - 64GB - Factory Sealed & Factory Warranty.	212.990000	https://www.ebay.com/itm/Apple-iPad-9-Wi-Fi-64GB-Factory-Sealed-Factory-Warranty-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple - 10.2-inch	Apple - 10.2-inch iPad (9th Generation) with Wi-Fi - 64GB - Silver	229.990000	https://www.bestbuy.com/site/apple-10-2-inch-ipad-9th-generation-with-wi-fi-64gb-silver/5444gh	bestbuy	Best BuyUp to 4% OnlineGoogle StoreUp to 3% Online
Apple iPad 10th	Apple iPad 10th 2022 10.9in - WiFi - 64GB - ALL COLOR - FAIR	249.850000	https://www.ebay.com/itm/Apple-iPad-10th-2022-10-9in-WiFi-64GB-ALL-COLOR-FAIR-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online
Apple iPad 10.2-in	Apple iPad 10.2-inch 9th Gen. 256GB, Wi-Fi, Space Gray	289.000000	https://www.ebay.com/itm/Apple-iPad-10-2-inch-9th-Gen-256GB-Wi-Fi-Space-Gray-/16172211	ebay	eBayUp to 1% OnlineWalmartUp to 3% Online

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