CSC 510 Software Engineering
Group 14

SHOPSYNC

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):

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

Upcoming Improvements(Phase 5):

1. **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.

1. **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.

1. **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.

1. **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

Devyash Keyurbhai Shah
Smit Sunilkumar Raval
Vatsalkumar Dharmendrabhai Patel