PriceCheck

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Description

A web application utilizing the eBay Shopping & Trading APIs that allows users to search a database of products available for purchase online.

Features

- Users can search for products available for online purchase using search parameters (keywords, categories, price).
- Searches return results with relevant product and pricing data, with links to more detailed product information and where to buy.
- Users can register and login to personal accounts where they can create a "favorites" list and create optional price change alerts for items on their lists.

Planning - User Stories

- Motivated by my own experience buying computer parts and wanting to find the best deals online.
- Useful for individuals who are not in a hurry to buy a product and want to pay the absolute lowest price.
- Users do not have to search multiple websites for deals and can receive email alerts so that they do not miss deals before they end or are sold out.

Planning - Database

- Databases for users and product information (name, price, links).
- Product information obtained from eBay APIs and JSON data.
- Users create a personal "favorites" list to watch products they are interested in purchasing (one-to-many relationship).

Technology Stack

- Language: Python
- Framework: Django
- Bootstrap
- SQLite
- eBay APIs

Demo

What I Learned

- Django
- eBay APIs
- Processing JSON data

What's Next

- Improve search/filtering function for more relevant results
- Refresh the UI – make it interactive with JavaScript
- Implement a more scalable database management system – MongoDB or PostgreSQL?