

■■ E-Commerce Product Search Aggregator

The **E-Commerce Product Search Aggregator** is a web-based application that allows users to search for products across multiple online shopping platforms in one place. This demo uses the FakeStore API for product data, but it can be extended to Amazon, eBay, AliExpress, Flipkart, and other e-commerce APIs using RapidAPI.

■ Features

- Search products by title, description, or category
- Display product details: title, image, category, and price
- Fetch product data from FakeStore API
- Clean and responsive UI (HTML + CSS)
- Runs directly in the browser (no backend required in demo)

■■ Tech Stack

- **Frontend:** HTML, CSS, JavaScript
- **API (Demo):** FakeStore API
- **Planned Integrations:** Amazon, eBay, AliExpress, Flipkart (via RapidAPI)

■ Project Structure

```
...  
ecommerce-product-search-aggregator/  
■  
■■■ index.html # Main HTML page  
■■■ style.css # Styling for UI  
■■■ script.js # JavaScript logic  
...
```

■■ How to Run

- Clone this repository or download the files: `git clone https://github.com/your-username/ecommerce-product-search-aggregator.git`
- Open `index.html` in your browser.
- Enter a search term (e.g., shirt, electronics, bag) in the search bar.
- Click Search to see results.

■ Example Output

When you open the website, you will see a heading:

E-Commerce Product Search Aggregator

And below it, a search bar where you can enter queries. Products matching your search will be listed with:

- Title
- Price
- Category
- Image
- Link to API details

■ Future Enhancements

- Add filters for price, brand, and category
- Integrate multiple e-commerce APIs (Amazon, eBay, AliExpress, Flipkart)
- Secure backend proxy for API keys
- User accounts to save favorites and compare products
- Add pagination and sorting features

■ Notes for Developers

- To change the website title shown in the browser tab, edit `` in `index.html`.
- To change the heading text displayed on the webpage, edit `` in `index.html`.

■ License

This project is open source and created for educational/demo purposes.