

Scraper Script Test - Jose Daniel Soto (2025)

This web scraping solution was developed for Stitch Bean & Brew to effectively monitor coffee brewing equipment available on prima-coffee.com's "Brew: All Coffee" section. The primary objective is to assist them in making informed decisions about product selection for their shop.

So, What Does This Program Actually Do?

This script acts like an efficient online shopper, collecting product information. It gathers comprehensive product details from all pages in the "Brew: All Coffee" section on prima-coffee.com, extracting each product's web address, name, price, and main picture link. This data is then saved in a spreadsheet for easy viewing. The script also sorts all product data by price, from lowest to highest, saving this sorted list for budgeting purposes.

The script then focuses on the 5 cheapest products, virtually "clicks" into each, and extracts all images and product identification codes (like SKU, UPC) for inventory tracking. (Note: Only main product info is grabbed, not different colors or sizes.) This detailed info for the top 5 is then structured into a file for easy review.

How I Went About Building It:

I designed this script for efficient, ethical web scraping. It uses standard requests to extract product information, with built-in pauses to avoid overwhelming websites. Robust error handling ensures data integrity, and output is provided in user-friendly formats for immediate analysis.

What This Means for Stitch Bean & Brew:

This script will significantly reduce the time and effort needed to gather market information. It provides a complete, organized list of coffee brewing equipment, a price-sorted list for budget checks, and detailed information on cost-effective options. This will enable Stitch Bean & Brew to make informed purchasing decisions, ensuring well-stocked shelves and a premium coffee experience for customers.

The Python script (`scraper\prima_coffee.py`) and data files (`products_basic.csv`, `products_sorted.csv`, and `products_detailed.json`) are ready for review.