**Amazon Best Sellers Scraper**

This Python project utilizes Selenium to scrape product information from Amazon's Best Sellers section. It collects details about the top 1,500 best-selling products from 10 specified categories, focusing on products with discounts greater than 50%. The scraped data is saved in a structured JSON file.

**Features**

1. **Authentication:**
   * Logs into Amazon using user-provided credentials.
2. **Scraping Details:**
   * Product Name
   * Product Price
   * Sale Discount
   * Best Seller Rating
   * Ship From
   * Sold By
   * Rating
   * Product Description
   * Number Bought in the Past Month (if available)
   * Category Name
   * All Available Images
3. **Error Handling:**
   * Robust error handling with retries and detailed error messages.
4. **Data Storage:**
   * Extracted data is stored in a CSV file (Products\_info.csv) for easy processing.

**Installation**

**Prerequisites**

* Python 3.7 or later
* Google Chrome browser
* ChromeDriver (compatible with your Chrome version)

**Install Dependencies**

pip install selenium pandas

**Download ChromeDriver**

1. Check your Google Chrome version by navigating to chrome://settings/help.
2. Download the appropriate version of ChromeDriver from [ChromeDriver Downloads](https://chromedriver.chromium.org/downloads).
3. Add ChromeDriver to your system PATH.

**Setup Instructions**

1. Clone this repository or download the script file.
2. Open the script and configure the following:
   * **Credentials:** Update USERNAME and PASSWORD with your Amazon account credentials.
   * **Categories:** Specify the URLs of the 10 categories you wish to scrape in the CATEGORIES\_URLS list.
3. Ensure ChromeDriver is installed and accessible.

**Usage Guidelines**

**Run the Script**

python main.py

**Output**

The script saves the scraped data into products\_info.csv.