Amazon Scraping Script

The purpose of the tool is to extract products from the Amazon coupons and deal pages for marketing purposes.

A screenshot of a computer

Description automatically generated

Figure . amazon.com/deals

A screenshot of a computer

Description automatically generated

Figure . amazon.com/coupons

# Running the Script:

The script can be a command line tool that takes the URL as an argument.

The user of the tool will choose some filters from the left column:

A screenshot of a survey

Description automatically generated

After the filters have been chosen, the user will copy the URL from the address bar and provide it to the Amazon Scraping Script as a command line argument.

# Data extraction

The script will extract the top 100 items returned.

The script will return the following results for each item:

A collage of different electronic devices

Description automatically generated

1. Product Image and Image URL
2. Discount or deal text
3. Product Description
4. Link URL

A screenshot of a computer

Description automatically generated

1. Full Product Description (only if this is different from the Product Description on the prior page)
2. Discounted Price
3. List Price
4. Discount / Coupon
5. “About this item” the first two bullet points (stored in separate fields)

# Data Output

The script should produce an excel file with all of the data elements.

Each element should be in a new column. The following headings should appear at the top of the corresponding columns:

1. Product Image
2. Product Image URL
3. Product Description
4. List Price
5. Discounted Price
6. Discount or Coupon
7. Discount or Deal Text
8. Link URL
9. About Item 1
10. About Item 2