

Bacca Bucci Sneakers Website Scrapping

1. Project Overview

This project is a Python-based web scraping application that extracts product information from the Bacca Bucci sneaker collection website. The extracted data includes:

- Product Name
- Product Image URL
- Discounted Price
- Original Price

The final dataset is saved into a CSV file for analysis. Send a request to the website using requests.get().

2. Workflow

- Parse the response using BeautifulSoup.
- Extract:
 - Image URLs from tags
 - Product titles from <a> tags
 - Discounted price from
 - Original price from <dd class="price__compare">
- Clean and format extracted data.
- Store data into a Pandas DataFrame.
- Save DataFrame as a CSV file.

Tool/Library	Purpose
Python	Programming Language
requests	To send HTTP requests to the website
BeautifulSoup (bs4)	To parse HTML content
pandas	To create and manage tabular data
Google Colab	Development environment

3. Code:

a) Import Libraries

```
import requests
from bs4 import BeautifulSoup
import pandas as pd
```

b) Send Request

```
url = "https://baccabucci.com/collections/bacca-bucci-sneakers"

response = requests.get(url)
print(response)
```

c) HTML Parsing

```
soup = BeautifulSoup(response.text)
soup
```

... (HTML content of the page, including multiple tags and product details)

```
print(soup.prettify())

```

... (HTML content of the page, including multiple tags and product details)

d) Image Extraction Logic

```
images = []

for img in soup.find_all("img", class_="motion-reduce"):
    # try src first
    src = img.get("src")

    # if src not present, get from srcset
    if not src:
        srcset = img.get("srcset")
        if srcset:
            # take highest quality URL (last one)
            src = srcset.split(",")[-1].split(" ")[0]

    if src:
        if src.startswith("//"):
            src = "https:" + src

        # clean URL
        src = src.split("?")[0].split("&")[0]

    images.append(src)

images
```

colab.research.google.com/drive/1b9swz3D0ZITQBEDu_pd4Uk25YWMI40D#scrollTo=YCHqDLMVQ-6o&printMode=true

```
!025, 04:55          finalwebscrapproject.ipynb - Colab
https://baccabucci.com/com/shop/files/test2025s.jpg,
https://baccabucci.com/cdn/shop/files/Green_DSC01222.jpg',
https://baccabucci.com/cdn/shop/files/Green_DSC01218.jpg',
https://baccabucci.com/cdn/shop/files/Green_DSC01220.jpg',
https://baccabucci.com/cdn/shop/files/DSC01095.jpg',
https://baccabucci.com/cdn/shop/files/DSC01091.jpg',
https://baccabucci.com/cdn/shop/files/DSC01816.jpg',
https://baccabucci.com/cdn/shop/files/Brown_DSC01488.jpg',
https://baccabucci.com/cdn/shop/files/Brown_DSC01481.jpg',
https://baccabucci.com/cdn/shop/files/White_DSC01087.jpg',
https://baccabucci.com/cdn/shop/files/White_DSC00998.jpg',
https://baccabucci.com/cdn/shop/files/DSC01432.jpg',
https://baccabucci.com/cdn/shop/files/DSC01438-Enhanced-NB.jpg',
https://baccabucci.com/cdn/shop/files/DSC01425.jpg',
https://baccabucci.com/cdn/shop/files/TMC_9472_92e9b95c-a82d-43fe-895c-0780a3c11a3f.jpg',
https://baccabucci.com/cdn/shop/files/TMC_9478_d536f281_5a01_41a9_b9e5-3703d1d431bc.jpg',
https://baccabucci.com/cdn/shop/files/Fresco_Navy_B1.jpg',
https://baccabucci.com/cdn/shop/files/Fresco_Navy_B2.jpg',
https://baccabucci.com/cdn/shop/files/B_DSC01548.jpg',
https://baccabucci.com/cdn/shop/files/V_DSC01728_v2.jpg',
https://baccabucci.com/cdn/shop/files/V_DSC00256.jpg',
https://baccabucci.com/cdn/shop/files/V_7003.jpg',
https://baccabucci.com/cdn/shop/files/24effa97-cd01-4a74-94a7-84c7f549116d.jpg',
https://baccabucci.com/cdn/shop/files/2_a9ffdeca-08a1-4098-9781-4043318c0ea2.jpg',
https://baccabucci.com/cdn/shop/files/GREY_DSC00472-Edit-3>Edit.jpg',
https://baccabucci.com/cdn/shop/files/GREY_DSC00456-Edit>Edit.jpg',
https://baccabucci.com/cdn/shop/files/DSC01818.jpg',
https://baccabucci.com/cdn/shop/files/DSC01024-Edit1.jpg',
https://baccabucci.com/cdn/shop/files/DSC01012-Edit.jpg',
https://baccabucci.com/cdn/shop/files/DSC01710-Edit.jpg',
https://baccabucci.com/cdn/shop/files/DSC01814-Edit.jpg',
https://baccabucci.com/cdn/shop/files/DSC01698.jpg',
https://baccabucci.com/cdn/shop/files/B_DSC00417.jpg',
https://baccabucci.com/cdn/shop/files/B_DSC00413_467dd4ba-F204-4d39-a612-f4aae6dF7da6.jpg',
https://baccabucci.com/cdn/shop/files/90_5026.jpg',
https://baccabucci.com/cdn/shop/files/10shan_DSC02844_B1.jpg',
https://baccabucci.com/cdn/shop/files/95_8805-min_cc40bd13-3258-4436-b267-d59ff8864f66.jpg',
https://baccabucci.com/cdn/shop/files/95_8803.jpg',
https://baccabucci.com/cdn/shop/files/95_8231_5a543cf-8792-4ff4-bb1b-a61173a66424.jpg',
https://baccabucci.com/cdn/shop/files/95_1078-min_d3133d05_4105-422a-a551-f7c755b52f74.jpg',
https://baccabucci.com/cdn/shop/files/94_3739_2-min_b0666620-0656-4f18-b3a1-2e6809728dee.jpg',
https://baccabucci.com/cdn/shop/files/94_3739_1-min_cc949f3-93b9-4654-98c2-c9c76b79cd2a.jpg',
https://baccabucci.com/cdn/shop/files/YELLOK_DSC00405.jpg',
https://baccabucci.com/shop/files/YELLOW_DSC00536-Edit.jpg'
```

e) Product Title Extraction

```
titles = []

for a in soup.find_all("a", class_="full-unstyled-link"):
    title = a.get_text(strip=True)
    if title:
        titles.append(title)

titles

['Bacca Bucci x Ben 10 Omnitrix Edition',
'Bacca Bucci x House of the Dragon Sneakers',
'Bacca Bucci AEROCORE All-Day Athleisure Sneakers',
'Bacca Bucci ION Glide - Sports Shoes with Rotary Lacing',
'Bacca Bucci Axiom | All-Day Comfort Performance Sneakers',
'RANGREZA ETHNIC by Bacca Bucci',
'Powerpuff Girls X Bacca Bucci - Hero Sneakers Collection',
'TOM - Stealth Moves | Tom & Jerry x Bacca Bucci Men's Sneakers',
'Bacca Bucci Cosmic Dream 🌌 Sneakers',
'Bacca Bucci x Looney Tunes "Road Runner Rush" Sneakers',
'Bacca Bucci VIBE-STEP Men's Low-Top Sneakers',
'Bacca Bucci Urban style METRO Sneakers',
'Bacca Bucci EVOLVA - The Ultimate Low-Top Sneakers for Men',
'Bacca Bucci x Discovery Trek 0.1',
'Bacca Bucci ESSENCE | Ortholite Insole & Elastic Laces',
'Superman with Bacca Bucci: Step Into the Legend',
'Bacca Bucci Metrolites',
'Bacca Bucci Fresco - Suede Low-Top Sneakers for the Urban Nomad',
'Bacca Bucci Gourmet Collection: High-Top Sneakers Inspired by Dessert Indulgence',
'Bacca Bucci SWAGGER High-Top Sneakers',
'Bacca Bucci Spectra Men's Sneakers',
'Bacca Bucci Zynher Men's Low-Top Sneakers',
'Bacca Bucci SPEED PRO Athleisure Running Shoes',
'COLOSSUS',
'Bacca Bucci TORQUE Rugged Edge Activewear Sneakers',
'Bacca Bucci Stride Eclipse',
'Bacca Bucci Simba',
'Bacca Bucci Spectra Men's Sneakers']
```

f) Discounted Price Extraction

```
money = []
for span in soup.find_all("span", class_="price-item price-item--sale"):  
olab.research.google.com/drive/1b9swz3D0ZITQBEDu_pd4Uk25YWMfl40D#scrollTo=YCHqDLMVQ-6o&printMode=true
```

```
025, 04:55          finalwebscrapproject.ipynb - Colab
```

```
# 1. Extract text and clean it (Removing "Rs.", commas, and ".00")
price_d = span.text.strip().replace("Rs.", "").replace(",", "").replace(".00", "").strip()

# 2. Convert to integer
if price_d.isdigit():
    price = int(price_d)
    money.append(price)

money
[1799,
 2499,
 1899,
 1999,
 1999,
 1999,
 1699,
 1899,
 1899,
 1499,
 1699,
 1799,
 1999,
 1599,
 1999,
 1499,
 1999,
 1699,
 1899,
 1699,
 1499,
 1899,
 1999,
 1999,
 1599,
 1399,
 1699]
```

g) Original Price Extraction

```
ndmoney = []

for p in soup.find_all("dd", class_="price__compare"):  
# 1. Extract text and clean it (Removing "Rs.", commas, and ".00")
price_t = p.text.strip().replace("Rs.", "").replace(",", "").replace(".00", "").strip()

# 2. Convert to integer
if price_t.isdigit():
    price = int(price_t)
    ndmoney.append(price)

ndmoney
[3999,
 4999,
 4499,
 4499,
 4999,
 3999,
 3999,
 3999,
 3999,
 3499,
 3499,
 3499,
 4999,
 3999,
 3999,
 2999,
 3999,
 3999,
 3499,
 4999,
 3499,
 3499,
 4999,
 4999,
 2999,
 2999,
 4999]
```

h. Data Storage

```
for product, picture, current_money, nodiscount in zip(titles,images,money,ndmoney):
    print("|",product,"|",picture,"|",current_money,"|",nodiscount,"|")
```

colab.research.google.com/drive/1b9swz3D0ZITQBEDu_pd4Uk25YWMfl40D#scrollTo=YChqDLMVQ-6o&printMode=true

125, 04:55 finalwebscrapproject.ipynb - Colab

```
| Bacca Bucci x Ben 10 Omnitrix Edition | https://baccabucci.com/cdn/shop/files/DSC00076.jpg | 1799 | 3999 | |
| Bacca Bucci x House of the Dragon Sneakers | https://baccabucci.com/cdn/shop/files/generated-image-1760254085847.jpg | 249 |
| Bacca Bucci AEROCORE All-Day Athleisure Sneakers | https://baccabucci.com/cdn/shop/files/generated-image-1760104992387\_2.jpg |
| Bacca Bucci ION Glide - Sports Shoes with Rotary Lacing | https://baccabucci.com/cdn/shop/files/generated-image-1763042096.jpg |
| Bacca Bucci Axiom | All-Day Comfort Performance Sneakers | https://baccabucci.com/cdn/shop/files/generated-image-176304236.jpg |
| RANGREZA ETHNIC by Bacca Bucci | https://baccabucci.com/cdn/shop/files/generated-image-1763042814437.jpg | 1999 | 3999 |
| Powerpuff Girls X Bacca Bucci - Hero Sneakers Collection | https://baccabucci.com/cdn/shop/files/White\_DSC00272.jpg | 1699 |
| TOM - Stealth Moves | Tom & Jerry x Bacca Bucci Men's Sneakers | https://baccabucci.com/cdn/shop/files/White\_DSC00277\_Cal1.jpg |
| Bacca Bucci Cosmic Dream 🌈 Sneakers | https://baccabucci.com/cdn/shop/files/White\_DSC00268.jpg | 1899 | 3999 |
| Bacca Bucci x Looney Tunes "Road Runner Rush" Sneakers | https://baccabucci.com/cdn/shop/files/BlackDSC00054.jpg | 1499 |
| Bacca Bucci VIBE-STEP Men's Low-Top Sneakers | https://baccabucci.com/cdn/shop/files/BlackDSC00078.jpg | 1699 | 3499 |
| Bacca Bucci Urban style METRO Sneakers | https://baccabucci.com/cdn/shop/files/BlackDSC00058.jpg | 1799 | 3499 |
| Bacca Bucci EVOLVE - The Ultimate Low-Top Sneakers for Men | https://baccabucci.com/cdn/shop/files/Ice\_DSC00256.jpg | 1999 |
| Bacca Bucci x Discovery Trek 0.1 | https://baccabucci.com/cdn/shop/files/Ice\_DSC00246.jpg | 1599 | 4999 |
| Bacca Bucci ESSENCE | Ortholite Insole & Elastic Laces | https://baccabucci.com/cdn/shop/files/Ice\_DSC00241.jpg | 1999 | 3999 |
| Superman with Bacca Bucci: Step Into the Legend | https://baccabucci.com/cdn/shop/files/Black\_DSC00198.jpg | 1499 | 3999 |
| Bacca Bucci Metrolites | https://baccabucci.com/cdn/shop/files/Black\_DSC00193.jpg | 1999 | 2999 |
| Bacca Bucci Fresco - Suede Low-Top Sneakers for the Urban Nomad | https://baccabucci.com/cdn/shop/files/Matching\_Black\_Or... |
| Bacca Bucci Gourmet Collection: High-Top Sneakers Inspired by Dessert Indulgence | https://baccabucci.com/cdn/shop/files/Matching\_Green\_Or... |
| Bacca Bucci SWAGGER High-Top Sneakers | https://baccabucci.com/cdn/shop/files/GroupDSC00321-min.jpg | 1699 | 3499 |
| Bacca Bucci Spectra Men's Sneakers | https://baccabucci.com/cdn/shop/files/GroupDSC00292-min.jpg | 1499 | 4999 |
| Bacca Bucci Zyper Men's Low-Top Sneakers | https://baccabucci.com/cdn/shop/files/MATCHING\_WITH\_ASSETS.jpg | 1899 | 3499 |
| Bacca Bucci SPEED PRO Athleisure Running Shoes | https://baccabucci.com/cdn/shop/files/Men\_DSC00381.jpg | 1999 | 4999 |
| COLOSSUS | https://baccabucci.com/cdn/shop/files/Men\_DSC00372.jpg | 1999 | 4999 |
| Bacca Bucci TORQUE Rugged Edge Activewear Sneakers | https://baccabucci.com/cdn/shop/files/WG\_DSC02924.jpg | 1599 | 4999 |
| Bacca Bucci Stride Eclipse | https://baccabucci.com/cdn/shop/files/MG\_8745.jpg | 1399 | 2999 |
| Bacca Bucci Simba | https://baccabucci.com/cdn/shop/files/WG\_DSC02911.jpg | 1699 | 2999 |
```

```
min_length = min(len(titles), len(images), len(money), len(ndmoney))

df = pd.DataFrame({
    "Product Name": titles[:min_length],
    "Picture": images[:min_length],
    "Cost": money[:min_length],
    "OG Cost": ndmoney[:min_length]
})
df
```

	Product Name	Picture	Cost	OG Cost	
0	Bacca Bucci x Ben 10 Omnitrix Edition	https://baccabucci.com/cdn/shop/files/DSC00076.jpg	1799	3999	
1	Bacca Bucci x House of the Dragon Sneakers	https://baccabucci.com/cdn/shop/files/generated-image-1760254085847.jpg	2499	4999	
2	Bacca Bucci AEROCORE All-Day Athleisure Sneakers	https://baccabucci.com/cdn/shop/files/generated-image-1760104992387_2.jpg	1899	4499	
3	Bacca Bucci ION Glide - Sports Shoes with Rota...	https://baccabucci.com/cdn/shop/files/generated-image-1763042096.jpg	1999	4499	
4	Bacca Bucci Axiom All-Day Comfort Performanc...	https://baccabucci.com/cdn/shop/files/generated-image-176304236.jpg	1999	4999	
5	RANGREZA ETHNIC by Bacca Bucci	https://baccabucci.com/cdn/shop/files/generated-image-1763042814437.jpg	1999	3999	
6	Powerpuff Girls X Bacca Bucci - Hero Sneakers ...	https://baccabucci.com/cdn/shop/files/White_DS...	1699	4999	
7	TOM - Stealth Moves Tom & Jerry x Bacca Bucc...	https://baccabucci.com/cdn/shop/files/White_DS...	1899	3999	
8	Bacca Bucci Cosmic Dream 🌈 Sneakers	https://baccabucci.com/cdn/shop/files/White_DS...	1899	3999	
9	Bacca Bucci x Looney Tunes "Road Runner Rush" ...	https://baccabucci.com/cdn/shop/files/BlackDSC...	1499	3999	
10	Bacca Bucci VIBE-STEP Men's Low-Top Sneakers	https://baccabucci.com/cdn/shop/files/BlackDSC...	1699	3499	
11	Bacca Bucci Urban style METRO Sneakers	https://baccabucci.com/cdn/shop/files/BlackDSC...	1799	3499	
12	Bacca Bucci EVOLVE - The Ultimate Low-Top Snea...	https://baccabucci.com/cdn/shop/files/Ice_DSC0...	1999	3499	
13	Bacca Bucci x Discovery Trek 0.1	https://baccabucci.com/cdn/shop/files/Ice_DSC0...	1599	4999	
14	Bacca Bucci ESSENCE Ortholite Insole & Elast...	https://baccabucci.com/cdn/shop/files/Ice_DSC0...	1999	3999	
15	Superman with Bacca Bucci: Step Into the Legend	https://baccabucci.com/cdn/shop/files/Black_DS...	1499	3999	
16	Bacca Bucci Metrolites	https://baccabucci.com/cdn/shop/files/Black_DS...	1999	2999	
17	Bacca Bucci Fresco - Suede Low-Top Sneakers fo...	https://baccabucci.com/cdn/shop/files/Matching_...	1699	3999	
18	Bacca Bucci Gourmet Collection: High-Top Sneak...	https://baccabucci.com/cdn/shop/files/GreenDSC...	1899	3999	
19	Bacca Bucci SWAGGER High-Top Sneakers	https://baccabucci.com/cdn/shop/files/GroupDSC...	1699	3499	
20	Bacca Bucci Spectra Men's Sneakers	https://baccabucci.com/cdn/shop/files/GroupDSC...	1499	4999	
21	Bacca Bucci Zyper Men's Low-Top Sneakers	https://baccabucci.com/cdn/shop/files/MATCHING_W...	1899	3499	
22	Bacca Bucci SPEED PRO Athleisure Running Shoes	https://baccabucci.com/cdn/shop/files/Men_DSC0...	1999	4999	
23	COLOSSUS	https://baccabucci.com/cdn/shop/files/Men_DSC0...	1999	4999	
24	Bacca Bucci TORQUE Rugged Edge Activewear Snea...	https://baccabucci.com/cdn/shop/files/WG_DSC02...	1599	4999	
25	Bacca Bucci Stride Eclipse	https://baccabucci.com/cdn/shop/files/MG_8745.jpg	1399	2999	
26	Bacca Bucci Simba	https://baccabucci.com/cdn/shop/files/WG_DSC02...	1699	2999	

Next steps: [Generate code with df](#) [New interactive sheet](#)

i. CSV Export

```
df.to_csv("itvbaccabucciproject.csv", index = False)
display(df)
```

	Product Name	Picture	Cost	OG Cost	
0	Bacca Bucci x Ben 10 Omnitrix Edition	https://baccabucci.com/cdn/shop/files/DSC00076...	1799	3999	
1	Bacca Bucci x House of the Dragon Sneakers	https://baccabucci.com/cdn/shop/files/generate...	2499	4999	
2	Bacca Bucci AEROCORE All-Day Athleisure Sneakers	https://baccabucci.com/cdn/shop/files/generate...	1899	4499	
3	Bacca Bucci ION Glide – Sports Shoes with Rota...	https://baccabucci.com/cdn/shop/files/generate...	1999	4499	
4	Bacca Bucci Axiom All-Day Comfort Performanc...	https://baccabucci.com/cdn/shop/files/generate...	1999	4999	
5	RANGREZA ETHNIC by Bacca Bucci	https://baccabucci.com/cdn/shop/files/generate...	1999	3999	
6	Powerpuff Girls X Bacca Bucci – Hero Sneakers ...	https://baccabucci.com/cdn/shop/files/White_DS...	1699	4999	
7	TOM - Stealth Moves Tom & Jerry x Bacca Bucc...	https://baccabucci.com/cdn/shop/files/White_DS...	1899	3999	
8	Bacca Bucci Cosmic Dream 🌈 Sneakers	https://baccabucci.com/cdn/shop/files/White_DS...	1899	3999	
9	Bacca Bucci x Looney Tunes "Road Runner Rush" ...	https://baccabucci.com/cdn/shop/files/BlackDSC...	1499	3999	
10	Bacca Bucci VIBE-STEP Men's Low-Top Sneakers	https://baccabucci.com/cdn/shop/files/BlackDSC...	1699	3499	
11	Bacca Bucci Urban style METRO Sneakers	https://baccabucci.com/cdn/shop/files/BlackDSC...	1799	3499	
12	Bacca Bucci EVOLVE - The Ultimate Low-Top Snea...	https://baccabucci.com/cdn/shop/files/Ice_DSC0...	1999	3499	
13	Bacca Bucci x Discovery Trek 0.1	https://baccabucci.com/cdn/shop/files/Ice_DSC0...	1599	4999	
14	Bacca Bucci ESSENCE Ortholite Insole & Elast...	https://baccabucci.com/cdn/shop/files/Ice_DSC0...	1999	3999	
15	Superman with Bacca Bucci: Step Into the Legend	https://baccabucci.com/cdn/shop/files/Black_DS...	1499	3999	
16	Bacca Bucci Metrolites	https://baccabucci.com/cdn/shop/files/Black_DS...	1999	2999	
17	Bacca Bucci Fresco – Suede Low-Top Sneakers fo...	https://baccabucci.com/cdn/shop/files/Matching...	1699	3999	
18	Bacca Bucci Gourmet Collection: High-Top Sneak...	https://baccabucci.com/cdn/shop/files/GreenDSC...	1899	3999	
19	Bacca Bucci SWAGGER High-Top Sneakers	https://baccabucci.com/cdn/shop/files/GroupDSC...	1699	3499	
20	Bacca Bucci Spectra Men's Sneakers	https://baccabucci.com/cdn/shop/files/GroupDSC...	1499	4999	
21	Bacca Bucci Zypher Men's Low-Top Sneakers	https://baccabucci.com/cdn/shop/files/MATCHING...	1899	3499	
22	Bacca Bucci SPEED PRO Athleisure Running Shoes	https://baccabucci.com/cdn/shop/files/Men_DSC0...	1999	4999	
23	COLOSSUS	https://baccabucci.com/cdn/shop/files/Men_DSC0...	1999	4999	
24	Bacca Bucci TORQUE Rugged Edge Activewear Snea...	https://baccabucci.com/cdn/shop/files/WG_DSC02...	1599	4999	
25	Bacca Bucci Stride Eclipse	https://baccabucci.com/cdn/shop/files/MG_8745.jpg	1399	2999	
26	Bacca Bucci Simba	https://baccabucci.com/cdn/shop/files/WG_DSC02...	1699	2999	

Conclusion:

This project successfully demonstrates the use of Python for real-world web scraping applications. By integrating libraries such as **Requests**, **BeautifulSoup**, and **Pandas**, the system efficiently extracted product names, image URLs, discounted prices, and original prices from an e-commerce website. Overall, the project proves that web scraping is an effective and powerful method for collecting large-scale product data efficiently, reducing manual work, and improving data accuracy.