Scraping Laptops from Ayoub Computers Web Site.

Laptop Class:

```
String title;
  String imagrUrl;
  String link;
  String summary;
  String OldPrice;
  String CurrentPrice;
public Laptop(String title, String imagrUrl, String link, String summary, String OldPrice, String CurrenPrice)
   setSummary(summary);
   setImagrUrl(imagrUrl);
   setOldPrice(OldPrice);
public String getLink() { return link; }
public void setImagrUrl(String imagrUrl) { this.imagrUrl = imagrUrl; }
public void setLink(String link) { this.link = link; }
public void setSummary(String summary) { this.summary = summary; }
public void setOldPrice(String OldPrice) { this.OldPrice = OldPrice; }
public void setCurrentPrice(String CurrentPrice) { this.CurrentPrice = CurrentPrice; }
```



Scraping Service Class:

```
O Laptopiata X O ScrapingServicejava X O ScrapingApplicationjava X

package com.dgpad.session1;
import java.ioi.liException;
import java.util.ArrayList;
import org.jsoup.nodes.Document;
import org.jsoup.nodes.Element;
import org.jsoup.nodes.Element;
public class ScrapingService {

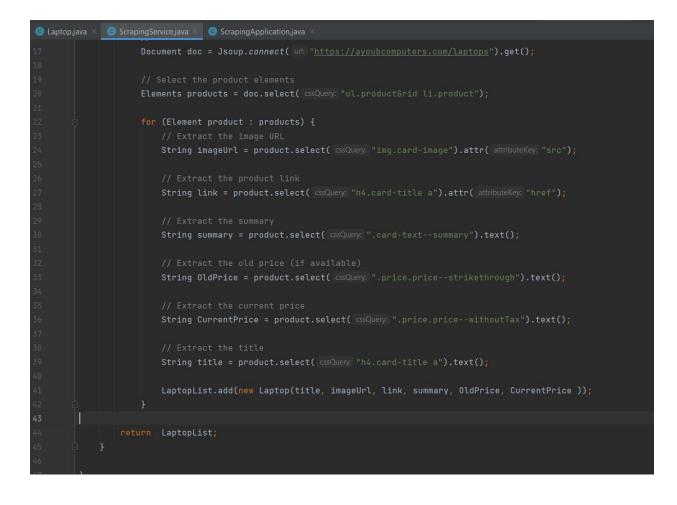
public class ScrapingService {

    public static List<Laptop> scrapeLaptops(String url) throws IOException
    {
      List<Laptop> LaptopList = new ArrayList
Comment doc = Jsoup.connect(uff: "https://ayoubcomputers.com/Laptops").get();

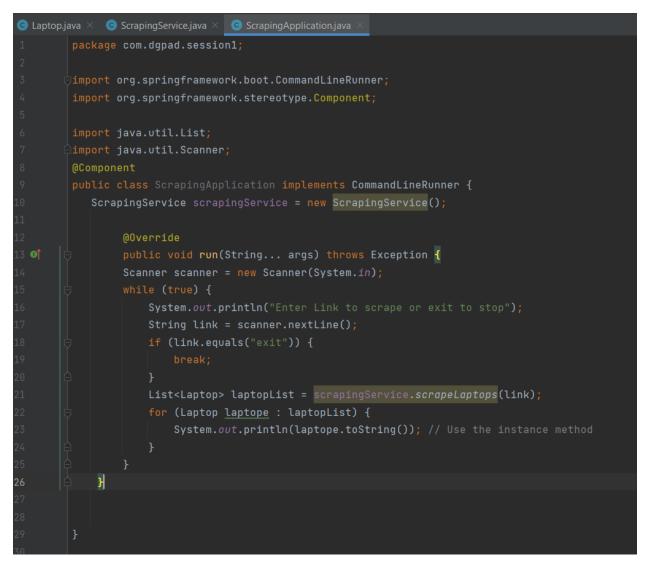
// Load the HTML document from the website
Document doc = Jsoup.connect(uff: "https://ayoubcomputers.com/Laptops").get();

// Select the product elements
Elements products = doc.select(csQuerg: "ul.productGrid li.product");

for (Element product : product.select(csQuerg: "ing.card-image").attr( attributeKeg: "src");
// Extract the product link
String link = product.select(csQuerg: ".card-text--summary").text();
```



Scraping Application Class:



Testing:

• 5 0 # = . 2024-08-19T12:26:16.994+03:00 INFO 21648 ---- [session1] [2024-08-19T12:26:16.998+03:00 INFO 21648 ---- [session1] [2024-08-19T12:26:17.467+03:00 INFO 21648 ---- [session1] [: No active profile set, falling back to 1 default profile: : Started Task1Application in 0.789 seconds (process running Enter Link to Scrape or exit to stop https://dyoubcomputers.com/loptops/ Product{title='Acer Extensa 15 15.6''FHD Laptop - AMD Ryzen 3 3250U - RAM 46B - HOD 1TB - AMD Radeon | NX.EG9EM.085', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/image/stap Product{title='Acer Extensa 15 15.6''FHD Laptop - AMD Ryzen 3 3250U - RAM 46B - HOD 1TB - AMD Radeon | NX.EG9EM.086', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/image/stap Product{title='Acer Aspire 3 A315-58 15.6''EHD Laptop - Intel Core i3-12150 - RAM 46B - SSD 2566B | AX15-58.34X1', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/image/stap Product{title='Lenovo IdeaPad 1 151AU7 15.6' Laptop - Intel Core i3-12150 - RAM 46B - SSD 2566B - Intel UHD Graphics - DOS | 82TT0030UF', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/image/stap Product{title='Lenovo IdeaPad 1 151AU7 15.6' Laptop - Intel Core i3-12150 - RAM 46B - SSD 2566B - Intel UHD Graphics - DOS | 82TT0030UF', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/images/stap Product{title='Lenovo IdeaPad 3 15AD65 15.6''EHD Laptop - Intel Core i3-N305 RAM 46B - NDD 1TB - Integrated AMD Radeon | 8NX.EG9EM.08AZ', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/images/ Product{title='Lenovo IdeaPad 3 15AD65 15.6''EHD Laptop - AMD Ryzen 3 3250U - RAM 46B - NDD 1TB - Integrated AMD Radeon | 8NX.BOMECALAX', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/images/ Product{title='Lenovo IdeaPad 3 15ALC6 15.6''EHD Laptop - AMD Ryzen 3 5250U - RAM 46B - SD 5126B - Integrated AMD Radeon | 81XB126AX', imagrUrl='https://cdnll.bigcommerce.com/s-sp9oc95xrm/images/ Product{title='Lenovo IdeaPad 3 15ALC6 15.6''EHD Laptop - AMD Ryzen 3 5350U - RAM 46B - SD 5126B - Integrated AMD Radeon | 81XB126DP', imagrUrl='https://cdnll.bigcommerce.com/s-Product{title='Lenovo IdeaPad 3 15ALC6 15.6''EHD Laptop - AMD Ryzen 3 5350U - RAM 46B - SD 5126B - Integrated AMD Radeon | 82XU806PCD', imagrUrl='https://cdnll.bigcommerce.com/s-Product{title='ASUS Vivobook 15 15.6'' EHD Laptop - AMD Ryzen nd-radeon-nx-eq9em-805/', summary='Acer Extensa 15 15.6''FHD Laptop - AMD Ryzen 3 3250U - RAM 46B - HDD 1TB - AMD Radeon | NX.EG9EM.805 Processor: AMD Ryzen 3 3250U Memory: 46 1598U-ram-4gb-hdd-1tb-amd-radeon-nx-eg9em-806/', summary='Acer Extensa 15 15.6''FHD Laptop - AMD Ryzen 5 3580U - RAM 46B - HDD 1TB - AMD Radeon | NX.EG9EM.806 Processor: AMD R 15-58-34x1/', summary='Acer Aspire 3 A315-58 15.6'' Laptop - Intel Core 13-111564 - RAM 46B - SSD 25668 | A315-58-34X1 Processor: Intel Core 13-111564 Memory: 46B RAM Storage: 1<u>65-58-34x1</u>/', summary='Acer Aspire 3 A315-58 15.6'' Laptop - Intel Core 13-111564 - RAM 46B - SSD 25668 | A315-58-34X1 Processor: Intel Core 13-111564 Memory: 46B RAM Storage: 1<u>60-5sd-2566b-intel-uhd-win-11-82q0808hax</u>/', summary='Lenovo IdeaPad 1 15IAU7 15.6'' Laptop - Intel Core 13-1215U - RAM 46B - SSD 25668 - Intel UHD - Win 11 | 82Q0808HAX Process - <u>am-460-ssd-2566b-intel-uhd-win-11-82q0808hax</u>/', summary='Lenovo V15 63 IAP 15.6'' Laptop - Intel Core 13-1215U - RAM 46B- SSD 25668 - Intel UHD Graphics - DOS | 82T18033 Receient 00 / summary='Lenovo Ideapad V14 14' Laptop - Intel Core 15-103561 - RAM 868 - SSO 51268 - Intel UHD | 82C4S0FL00 Processor: Intel® Core® 15-103561 Memory: 868 RA <u>Subjective</u>, <u>Automatical States</u>, <u>Auto</u> an-8gb-ssd-512gb-intel-iris-xe-x1504a-n1061/", summary='ASUS Vivobook 15 15.6" FHD Gaming Laptop - Intel Core 15-1235U - RAM 86B - SSD 5126B - Intel Iris Xe | X1584A-MJ861 Pr HP 250 69 15.6" Laptop - Intel Core I7-1255U - RAM 86B - SSD 5126B | 656V4EA#BH5 Processor: Intel Core 17-1255U Memory: 86B Storage: 5126B Display: 15.6"", OldPrice='', Curre

AM Storage: 1TB HDD Size: 15.6" FHD Screen-Size Graphics: AND Radeon I/O ports : Gigabit LAN, 3x USB Type A,...', OldPrice='', CurrentPrice='\$215.00 \$215.00 \$215.00 * n 5 3500U(3.7GHZ,4Cores) Nemory: 46B RAM Storage: 1TB HDD Size: 15.6" FHD Screen-Size Graphics: AMD Radeon', OldPrice='', CurrentPrice='\$255.00 \$255.00'}

: Intel® Cone® 13-1215U, 6C (2P + 4E) / 8T, P-core 1.2 / 4.46Hz, E-core 0.9 / 3.36Hz, 10MB Memory: 46B Soldered...', OldPrice='', CurrentPrice='\$270.00 \$270.00 \$270.00 * Processor: Intel® Cone® 13-1215U, 6C (2P + 4E) / 8T, P-core 1.2 / 4.46Hz, E-core 0.9 / 3.36Hz, 10MB Memory: 46B Soldered...', OldPrice='', CurrentPrice='\$275.00 \$275.00 \$275.00 * M Storage: 2566B SSD Display: 15.6"', OldPrice='', CurrentPrice='\$299.00 \$299.00 \$299.00'}

h Storage: 2000 530 015ptay: 13:0 , 0torPite= ", 00rPiter10e= \$277.00 \$277.00 ; 1W10146AX Processor: AMD Ryzen" 3 32500 (2C / 4T, 2.6 / 3.56Hz, 1MB L2 / 4MB L3) Memory: 46B Soldered DDR4-2400 Storage: 1TB HDD 5400rpm 2...', OldPrice='', CurrentPrice='\$329.00 torage: 51268 SSD Graphic Card: Intel UHD Graphics Display: 14° FHD (1920x10800) 1/0 Ports:...', OldPrice='', CurrentPrice='\$349.00 \$349.00 \$349.00 \$349.00 } | 82KU000FED Processor:AMD Ryzen" 3 5300U (4C / 8T, 2.6 / 3.86Hz, 2MB L2 / 4MB L3) Memory: 46B Soldered DDR4-3200 + 46B SO-DIMM...', OldPrice='', CurrentPrice='\$367.00 \$367.00 \$3 ocessor: Intel Core 15-1335U Memory: 86B RAM Storage: 2566B SSD Display: 15.6"', OldPrice='', CurrentPrice='\$450.00 \$445.00 \$445.00 \$445.00 } sor: Processor: Intel® Core" 15-1335U (E-Core Max 3.30 6Hz, P-Core Max 4.40 6Hz, 10 Cores, 12 Threads, 12 MB...', OldPrice='', CurrentPrice='\$450.00 \$450.00 \$450.00 \$450.00 } +===1600.00 fmon 2000.00 fmon 2000.

ice='\$499.00 \$499.00 \$499.00'}