

Project progress report 5

Purpose:

The main purpose of this project is to find the best price of the product that the user wants to buy along with the website reference where that item is available. It is an overhead and is a very difficult task to compare the price of the same item on different websites to get the best and lowest price. Also, it is not always possible to locate a website with the lowest price of the product.

Overview:

One Click compares the price of the same product or item on the different websites and gives the lowest price of that product. This project reduces the overhead of the user and saves time.

The project frontend will be developed through Angular JavaScript and for Backend we are planning to use Node JavaScript for handling multiple user requests.

Functionalities I Worked:

Web Scraping from different websites

I started working on capturing product specific data from Walmart and Target websites. In JavaScript for BestBuy the query selector captures different product information and stores it in the array.

I searched the classes specific to the title, price, rating, image, href etc. with the help of inspect option in BestBuy.

Here, is the code snippet

```
var titleNodeList = document.querySelectorAll('.shop-sku-list-item');
var priceNodeList = document.querySelectorAll('.priceView-hero-price');
var promoNodeList = document.querySelectorAll('.c-ratings-reviews');
var imgNodeList = document.querySelectorAll('.product-image');
var hrefNodeList = document.querySelectorAll('.sku-title');
```

These querySelectors when I tried to use in console with the inspect option, they are fetching the data as we can see in the below screen shots, I am getting the result with the classes as nodes and the details also.

The image displays two screenshots of a web browser showing the Best Buy website. The top screenshot shows the product page for a Samsung 55" Class 7 Series LED 4K UHD Smart Tizen TV. The page includes a navigation bar, a search bar, and a sidebar with filters. The product details section shows the TV's features, price (\$379.99), and delivery options. The bottom screenshot shows the same page after a JavaScript fix, with the product details visible and the console error resolved. The console shows a message: "visitor.publishDestinations() result: The destination publishing iframe is already attached and loaded." The bottom screenshot also shows a "Find a Store" button and a "Compare" button.

Best Buy
Menu
samsung tv
Millbury
Cart

ast
kup at
and nearby stores
dy tomorrow -
d, Nov 30

ility
lude Out of Stock
ns

en Size
and Under (5)
- 44" (14)
- 54" (10)
- 64" (23)
- 74" (32)
- 84" (26)
or More (22)

on Type
ID (52)
QLED (30)
art (121)

Samsung - 55" Class 7 Series LED 4K UHD Smart Tizen TV
4K UHD Direct Lit Smart
Model: UN55TU7000FXZA
SKU: 6401735
★★★★★ (11,610)
Delivery in 8 days
Pickup: Available tomorrow at Millbury
See all pickup locations
FREE Delivery: As soon as Wed, Dec 7
Estimates for 01601
Installation: Unable to provide a date right now
More installation info is available in checkout
Compare Save
\$379.99
Save \$20
Find
Open-Box: fro

Samsung
Crystal UHD

36°F Mostly cloudy

Best Buy
Menu
samsung tv
Millbury
Cart

★★★★★ (11,610)
Delivery in 8 days
Pickup: Available tomorrow at Millbury
See all pickup locations
FREE Delivery: As soon as Wed, Dec 7
Estimates for 01601
Installation: Unable to provide a date right now
More installation info is available in checkout
Compare Save
\$379.99
Save \$20
Find a Store
Open-Box: from \$356.99

Samsung
Crystal UHD

Model: UN55TU7000FXZA
SKU: 6401735
★★★★★ (7,828)
Get it tomorrow nearby
Pickup: Unavailable at Millbury
Available tomorrow at a location 13 miles away
See all pickup locations
Delivery: Unavailable in your area
Estimates for 01601
Compare Save

36°F Mostly cloudy

Console
Sources
Network
20 Issues: 3 17
visitor.publishDestinations() result: The destination publishing iframe is already attached and loaded.
document.querySelectorAll('.shop-sku-list-item')
NodeList(18) [div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item, div.shop-sku-list-item]
length: 18
[[Prototype]]: NodeList
Audit usage of navigator.userAgent, navigator.appVersion, and navigator.platform
Deprecated Feature Used
Deprecated Feature Used
Deprecated Feature Used

Console
Issues
20 Issues: 3 17
div.shop-sku-list-item
div.shop-sku-list-item
length: 18
[[Prototype]]: NodeList
document.querySelectorAll('.priceView-hero-price priceView-customer-price')
NodeList []
document.querySelectorAll('.priceView-hero-price')
NodeList(18) [div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price, div.priceView-hero-price.priceView-customer-price]
document.querySelectorAll('.sku-title')
NodeList(18) [h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title, h4.sku-title]
document.querySelectorAll('.product-image')
NodeList(18) [img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image, img.product-image]
Audit usage of navigator.userAgent, navigator.appVersion, and navigator.platform
Deprecated Feature Used
Deprecated Feature Used
Deprecated Feature Used

8:30 PM 11/29/2022

8:59 PM 11/29/2022

But, on our website we are not able to see the products from BestBuy. I am still working on the javascript to find out this issue.