

ShopGrok Technical Challenge – Xpaths + Scraper

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Tests 1

The screenshot shows a user interface for a web scraper. On the left, there's a main panel with a title bar "Scraper - Peter's of Kensington | Homewares, Kitchenware, Cookware, Luggage & More". Below it, a sub-header "Peter's of Kensington | Homewares, Kitchenware, Cookware, Luggage & More" is displayed. The interface includes several sections: "Selector" with an "XPath" dropdown containing the path "//div[3]/div[5]/div/div[2]/div/a" and a "XPath Reference" link; "Columns" with a table header "XPath" and "Name" (the latter being "Category"); and "Filters" with a checked checkbox "Exclude empty results". On the right, a sidebar titled "Category" lists twelve categories numbered 1 to 12, each preceded by a yellow folder icon:

	Category
1	Cookware & Knives
2	Electrical
3	Kitchenware
4	Tableware
5	Kids
6	Home
7	Travel & Leisure
8	Beauty & Fashion
9	Stationery
10	Gift Cards
11	Hampers
12	Gifts

Test 2 – Scraper output

Scraped - Buy Coffee Machines - Breville, Sunbeam & More Brands Available | Bestbuy Online

Selector XPath Reference

Columns

XPath	Name
h4/a	Product Name
div/div/div/sp	Was Price
div/div/div/sp	Now Price
h4/a/@href	Product URL
.../figure/a/img	Image URL

Filters Exclude empty results

Rank	Product Name	Was Price	Now Price	Product URL	Image URL
1	Breville BCG600SIL the Dose Control™ Pro Coffee Grinder - Silver	\$229.00		https://bestbuy.com.au/breville-bcg600sil-the-dose-control-pro-coffee-grinder-silver/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1143/2847/\$_57__28974.1543302822.JPG?c=2
2	Breville BCG820BSS the Smart Grinder Pro 60 Setting Coffee Grinder - \$349.95	\$349.95	\$289.00	https://bestbuy.com.au/breville-bcg820bss-the-smart-grinder-pro-60-setting-coffee-grinder-349-95/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1134/2828/\$_500__41960.1543302812.jpg?c=2
3	Breville BEC250 Essenza Bundle Nespresso Machine - Black - White - Grey	\$249.00	\$209.00	https://bestbuy.com.au/breville-bec250-essenza-bundle-nespresso-machine-black-white-grey-rrp-249-00/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1137/2837/\$_57__41082.1543302817.JPG?c=2
4	Breville BEC660CRO Nespresso CitiZ&milk Espresso Machine with Frother	\$399.00	\$299.00	https://bestbuy.com.au/breville-bec660cro-nespresso-citz-milk-espresso-machine-with-frother/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2458/7293/1__34335.1609991014.jpg?c=2
5	Breville BEP920BKS the Dynamic Duo™ The Dual Boiler + Smart Grinder Pro	\$1,999.00	\$1,579.00	https://bestbuy.com.au/breville-bep920bks-the-dynamic-duo-the-dual-boiler-smart-grinder-pro/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1149/2857/\$_57__10022.1543302827.JPG?c=2
6	Breville BEP920BSS the Dynamic Duo™ The Dual Boiler + Smart Grinder Pro	\$1,999.00	\$1,497.00	https://bestbuy.com.au/breville-bep920bss-the-dynamic-duo-the-dual-boiler-smart-grinder-pro/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1157/2876/\$_57__27019.1543302834.JPG?c=2
7	Breville BES008WHT Claro Swiss Water Filter for The Oracle Touch	\$29.00		https://bestbuy.com.au/breville-bes008wht-claro-swiss-water-filter-for-the-oracle-touch/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2295/6427/1__64676.1587363255.PNG?c=2
8	Breville BES009CLR Eco Liquid Descaler for the BEP920BSS and BES840BSS	\$25.00		https://bestbuy.com.au/breville-bes009clr-eco-liquid-descaler-for-the-bep920bss-and-bes840bss/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2003/4995/bes009clr__60322.1554177620.jpg?c=2
9	Breville BES011CLR 8 Dose Eco Steam Wand Cleaner	\$25.00		https://bestbuy.com.au/breville-bes011clr-8-dose-eco-steam-wand-cleaner/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2205/5992/2__80960.1573611954.PNG?c=2
10	Breville BES013CLR Eco Coffee Residue Cleaner 40 Pack for Espresso Machines	\$37.00		https://bestbuy.com.au/breville-bes013clr-eco-coffee-residue-cleaner-40-pack-for-espresso-machines/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2272/6305/1__54610.1584934484.jpg?c=2
11	Breville BES014CLR 2 in 1 Cleaner & Descaler	\$25.00		https://bestbuy.com.au/breville-bes014clr-2-in-1-cleaner-descaler/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2206/5995/2__12215.1573612910.PNG?c=2
12	Breville BES500BSS/BTR/SST the Bambino Plus Espresso Machine Silver/Black/Salt	\$599.95	\$479.00	https://bestbuy.com.au/breville-bes500bss-btr-sst-the-bambino-plus-espresso-machine-silver-black-salt/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2022/5120/BES500__61553.1554695961.PNG?c=2
13	Breville BES840BSS the Infuser™ Espresso Machine - Stainless Steel - HURRY LAST 5!	\$749.00	\$599.00	https://bestbuy.com.au/breville-bes840bss-the-infuser-espresso-machine-stainless-steel-hurry-last-5/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1153/4835/bes840bss__97273.1547788393.jpg?c=2
14	Breville BES870BKS the Barista Express™ Coffee Machine - Black	\$949.95	\$729.00	https://bestbuy.com.au/breville-bes870bks-the-barista-express-coffee-machine-black/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1161/2885/\$_57__08759.1543302838.JPG?c=2
15	Breville BES870BSS the Barista Express™ Coffee Machine - Stainless Steel	\$949.95	\$729.00	https://bestbuy.com.au/breville-bes870bss-the-barista-express-coffee-machine-stainless-steel/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/1156/7099/1__37615.1604029619.jpg?c=2
16	Breville BES870SLQ the Barista Express™ Espresso Machine - Salted Liquorice - HURRY LAST 2!	\$949.95	\$729.00	https://bestbuy.com.au/breville-bes870slq-the-barista-express-espresso-machine-salted-liquorice-hurry-last-2/	https://cdn11.bigcommerce.com/s-aoeu1l6ygn/images/stencil/500x659/products/2453/7277/1__34930.1607478236.jpg?c=2

Presets... Reset Scrape Copy to clipboard Export to Google Docs...

Test 2 – Xpaths

– Selector

XPath //article/div [XPath Reference](#)

– Columns

XPath	Name	
h4/a	Product Name	
div/div/div/span	Was Price	
div/div/div/span[2]	Now Price	
h4/a/@href	Product URL	
./figure/a/img[@class='card-image main']/@src	Image URL	

– Filters

Exclude empty results

Test 3 – Scraper output

Scraping results for Amazon.com.au - Earth's Biggest Selection

Amazon.com.au - Earth's Biggest Selection

Selector: XPath //div/ul/li

Columns:

XPath	Name
..../h2	Category
.	Subcategory
a/@href	Link

Filters: Exclude empty results (checked)

#	Category	Subcategory	Link
1	Echo & Alexa	Echo Dot	/dp/B07H61C9KP?_encoding=UTF8&ref_=sd_allcat_pc_gno_ech_dt_1
2	Echo & Alexa	Echo Show 5	/dp/B07R6V4GD5?_encoding=UTF8&ref_=sd_allcat_pc_gno_ech_cs_bau
3	Echo & Alexa	Echo Auto	/dp/B078YNKDZS?_encoding=UTF8&ref_=sd_allcat_gno_ech_mn_bau
4	Echo & Alexa	Echo Show 8	/dp/B07W16XS74?_encoding=UTF8&ref_=sd_allcat_gno_ech_cn_bau
5	Echo & Alexa	All-new Echo	/dp/B07VXZJVBV?_encoding=UTF8&ref_=sd_allcat_gno_ech_pl
6	Echo & Alexa	Echo Plus	/dp/B07H5Z8N69?_encoding=UTF8&ref_=sd_allcat_pc_gno_ech_lr_3
7	Echo & Alexa	Echo Show	/dp/B07H62HW95?_encoding=UTF8&ref_=sd_allcat_pc_gno_ech_bp_7
8	Echo & Alexa	Introducing Echo Studio	/dp/B07VXZJVB7?_encoding=UTF8&ref_=sd_allcat_gno_ech_oe
9	Echo & Alexa	Introducing Echo Wall Clock	/dp/B07SP78TFY?_encoding=UTF8&ref_=sd_allcat_gno_ech_ty
10	Echo & Alexa	Home Security from Amazon	/ring?_encoding=UTF8&ref_=sd_allcat_pc_gno_rmg
11	Echo & Alexa	See All Amazon Echo Devices	/echofamily?_encoding=UTF8&ref_=sd_allcat_pc_gno_ech_cat
12	Echo & Alexa	Meet Alexa	/b?ie=UTF8&node=5425622051&ref_=sd_allcat_pc_gno_ech_map_bau_4
13	Echo & Alexa	Alexa App	/gp/help/customer/display.html?ie=UTF8&nodeId=201549920&ref_=sd_allcat_pc_gno_ech_app_bau_5
14	Echo & Alexa	Alexa Smart Home	/b?ie=UTF8&node=5373356051&ref_=sd_allcat_pc_gno_ech_smhm_bau_6
15	Echo & Alexa	All Skills	/alexa-skills/b?ie=UTF8&node=4931595051&ref_=sd_allcat_pc_gno_ech_skl_bau_7
16	Echo & Alexa	Amazon Music Unlimited	/music?_encoding=UTF8&ref_=sd_allcat_pc_gno_ech_amu_bau_8
17	Kindle E-readers & Books	Kindle	/dp/B07NPLGSMT?_encoding=UTF8&ref_=sd_allcat_pc_gno_eink_jr_bau_1
18	Kindle E-readers & Books	Kindle Paperwhite	/dp/B07J3DDZHP?_encoding=UTF8&ref_=sd_allcat_pc_gno_eink_me_bau_2
19	Kindle E-readers & Books	Kindle Oasis	/dp/B07S8ZNM6S?_encoding=UTF8&ref_=sd_allcat_pc_gno_eink_sr
20	Kindle E-	Kindle Books	/ebooks-kindle/b?ie=UTF8&node=2496751051&ref_=sd_allcat_pc_gno_eink_ebk_bau_5

Presets... Reset Scrape ?

Test 3 – Xpaths

— Selector

XPath //div/ul/li (i) XPath Reference

— Columns

XPath	Name	
..../h2	Category	
.	Subcategory	
a/@href	Link	

— Filters

Exclude empty results