

example

October 17, 2024

```
[1]: from base import *  
  
for cat in get_main_categories()[:3]:  
    print(cat)
```

```
(id=t1, name=Lyd & Billede)  
(id=t2, name=Computer & Software)  
(id=t3, name=Hvidevarer)
```

```
[2]: category = Category(id='t9')  
print(category)
```

```
(id=t9, name=Computer hardware)
```

```
[4]: subcategories = category.get_subcategories()  
for subcat in subcategories[:3]:  
    print(subcat)
```

```
(id=cl40, name=CPUs)  
(id=cl37, name=Grafikkort)  
(id=cl186, name=Kabinetter)
```

```
[7]: subCategory = SubCategory(id='cl40')  
  
filters = subCategory.get_filters()  
for filter in filters[:3]:  
    print(filter)
```

```
Filter(id=PRICE, name=Pris)  
Filter(id=BRAND, name=Mærke)  
Filter(id=RATING, name=Vurdering)
```

```
[8]: filter = Filter(id='BRAND', subcategory=subCategory)  
filter_keys = filter.get_keys()  
for key in filter_keys[:3]:  
    print(key)
```

```
{'key': '179629', 'optionId': 179629, 'count': 2, 'optionValue': 'ABB',  
'optionImage': None}  
{'key': '176', 'optionId': 176, 'count': 1, 'optionValue': 'Acer',
```

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'optionImage': None}
{'key': '509', 'optionId': 509, 'count': 303, 'optionValue': 'AMD',
'optionImage': None}

```

```

[10]: products = subCategory.get_products(query='af_BRAND=509&size=1')
print(json.dumps(products, indent=4))

```

```

{
  "totalProductHits": 303,
  "totalCategoryOfferHits": 0,
  "clickableCategoryOfferHits": 0,
  "subCategoryLevel": null,
  "products": [
    {
      "id": "3205665051",
      "name": "AMD Ryzen 7 7800X3D 4.2GHz Socket AM5 Box",
      "description": "AMD Socket AM5",
      "url": "/pl/40-3205665051/CPU/AMD-Ryzen-7-7800X3D-4.2GHz-Socket-AM5-Box-Sammenlign-Priser",
      "lowestPrice": {
        "amount": "3309.00",
        "currency": "DKK"
      },
      "image": {
        "id": "3009863292",
        "url": null,
        "path": "/product/3009863292/AMD-Ryzen-7-7800X3D-4.2GHz-Socket-AM5-Box.jpg",
        "description": "AMD Ryzen 7 7800X3D 4.2GHz Socket AM5 Box"
      },
      "filterHits": [],
      "rank": {
        "rank": 1,
        "trend": "NEUTRAL"
      },
      "brand": {
        "id": "509",
        "name": "AMD",
        "image": null
      },
      "rating": {
        "numberOfRatings": 635,
        "averageRating": "4.9",
        "count": 635,
        "average": "4.9"
      },
      "priceDrop": null,
      "ribbon": {

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```

        "type": "WATCHED",
        "value": "500+",
        "description": null
    },
    "productGroup": null,
    "cheapestOffer": {
        "id": "f6e7738ec2032442b4c0002664642b18",
        "price": {
            "amount": "3309.00",
            "currency": "DKK"
        },
        "url": "/gotostore/v1/DK/f6e7738ec2032442b4c0002664642b18",
        "merchant": {
            "id": "38858",
            "name": "BWS Computers",
            "image": null
        },
        "pricePerUnit": null
    },
    "classification": "ONE",
    "previewMerchants": {
        "count": 17,
        "merchants": [
            {
                "id": "589",
                "name": "ComputerSalg",
                "image": {
                    "id": null,
                    "url": null,
                    "path":
"/images/brenda/1ca49cba3c85d7cf1d680a29c5240147.png",
                    "description": "ComputerSalg"
                },
                "clickable": true
            },
            {
                "id": "1325",
                "name": "CompuMail",
                "image": {
                    "id": null,
                    "url": null,
                    "path":
"/images/brenda/f1942ace186689d38597f5a7210f4e41.jpg",
                    "description": "CompuMail"
                },
                "clickable": true
            },
            {

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        "id": "2957",
        "name": "Proshop.dk",
        "image": {
            "id": null,
            "url": null,
            "path":
"/images/brenda/a70445043a953dc37f3359befc8254c2.png",
            "description": "Proshop.dk"
        },
        "clickable": true
    }
]
},
"installmentPrice": null
}
],
"categoryOffers": [],
"categoryPaths": [
    {
        "id": "2",
        "name": "Computer & Software",
        "url": "/t/2/Computer-Software"
    },
    {
        "id": "9",
        "name": "Computer hardware",
        "url": "/t/9/Computer-hardware"
    },
    {
        "id": "40",
        "name": "CPUs",
        "url": "/cl/40/CPUs"
    }
],
"filterCategory": null,
"popularSubcategories": [],
"quickFilters": [
    {
        "id": "60498110",
        "name": "Sokkel",
        "unit": null,
        "options": [
            {
                "id": "507126",
                "value": "AMD Socket AM5",
                "from": null,
                "to": null,
                "count": 41,

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        "image": null
    },
    {
        "id": "60498114",
        "value": "AMD Socket AM4",
        "from": null,
        "to": null,
        "count": 68,
        "image": null
    },
    {
        "id": "60498148",
        "value": "AMD Socket SP3",
        "from": null,
        "to": null,
        "count": 95,
        "image": null
    },
    {
        "id": "60540184",
        "value": "AMD Socket sWRX8",
        "from": null,
        "to": null,
        "count": 8,
        "image": null
    },
    {
        "id": "507850",
        "value": "AMD Socket SP5",
        "from": null,
        "to": null,
        "count": 3,
        "image": null
    }
],
"type": "OPTIONS",
"minimum": null,
"maximum": null
},
{
    "id": "60498188",
    "name": "AMD Series",
    "unit": null,
    "options": [
        {
            "id": "60498193",
            "value": "Ryzen 7",
            "from": null,

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        "to": null,
        "count": 26,
        "image": null
    },
    {
        "id": "60498191",
        "value": "Ryzen 9",
        "from": null,
        "to": null,
        "count": 19,
        "image": null
    },
    {
        "id": "60498195",
        "value": "Ryzen 5",
        "from": null,
        "to": null,
        "count": 41,
        "image": null
    },
    {
        "id": "60498215",
        "value": "EPYC",
        "from": null,
        "to": null,
        "count": 126,
        "image": null
    },
    {
        "id": "60498190",
        "value": "Ryzen 9 Pro",
        "from": null,
        "to": null,
        "count": 1,
        "image": null
    }
],
    "type": "OPTIONS",
    "minimum": null,
    "maximum": null
}
],
"productDeals": {
    "id": "cl40",
    "name": "Tilbud",
    "anchor": "AMD CPUs p\u00e5 tilbud",
    "url": "/cl/40/CPU's?man_id=509&features=sale",
    "description": null,

```

```

"productCount": 13,
"products": [
  {
    "id": "3313281531",
    "name": "AMD Ryzen 7 8700F 4.1GHz Socket AM5 Tray",
    "description": "AMD Socket AM5, 2024",
    "url":
"/gotostore/v1/DK/4783668cb8dfe79e00271b54e41802a5?productId=3313281531",
    "lowestPrice": {
      "amount": "1339.00",
      "currency": "DKK"
    },
    "image": {
      "id": "3122616666",
      "url": null,
      "path": "/product/3122616666/AMD-Ryzen-7-8700F-4.1GHz-
Socket-AM5-Tray.jpg",
      "description": "AMD Ryzen 7 8700F 4.1GHz Socket AM5 Tray"
    },
    "filterHits": [],
    "rank": {
      "rank": 38,
      "trend": "NEGATIVE"
    },
    "brand": null,
    "rating": {
      "numberOfRatings": 0,
      "averageRating": "0.0",
      "count": 0,
      "average": "0.0"
    },
    "priceDrop": {
      "oldPrice": {
        "amount": "1491.00",
        "currency": "DKK"
      },
      "percent": "10.19"
    },
    "ribbon": {
      "type": "PRICE_DROP_ABSOLUTE",
      "value": "151.93",
      "description": null
    },
    "productGroup": null,
    "cheapestOffer": {
      "id": "4783668cb8dfe79e00271b54e41802a5",
      "price": {
        "amount": "1339.00",

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        "currency": "DKK"
    },
    "url": "/gotostore/v1/DK/4783668cb8dfe79e00271b54e41802a5",
    "merchant": {
        "id": "27750",
        "name": "happii.dk",
        "image": null
    },
    "pricePerUnit": null
},
"classification": "UNCLASSIFIED",
"previewMerchants": {
    "count": 0,
    "merchants": []
},
"installmentPrice": null
},
{
    "id": "3299652515",
    "name": "AMD Ryzen 5 8400F 4.2GHz Socket AM5 Box",
    "description": "AMD Socket AM5, 2024",
    "url":
"/gotostore/v1/DK/ffd599ceb79704952afd9ccba4fbb9ca?productId=3299652515",
    "lowestPrice": {
        "amount": "1174.00",
        "currency": "DKK"
    },
    "image": {
        "id": "3105694902",
        "url": null,
        "path": "/product/3105694902/AMD-Ryzen-5-8400F-4.2GHz-
Socket-AM5-Box.jpg",
        "description": "AMD Ryzen 5 8400F 4.2GHz Socket AM5 Box"
    },
    "filterHits": [],
    "rank": {
        "rank": 42,
        "trend": "POSITIVE"
    },
    "brand": null,
    "rating": {
        "numberOfRatings": 0,
        "averageRating": "0.0",
        "count": 0,
        "average": "0.0"
    },
    "priceDrop": {
        "oldPrice": {

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```

        "amount": "1319.00",
        "currency": "DKK"
    },
    "percent": "10.99"
},
"ribbon": {
    "type": "PRICE_DROP_ABSOLUTE",
    "value": "144.96",
    "description": null
},
"productGroup": null,
"cheapestOffer": {
    "id": "ffd599ceb79704952afd9ccba4fbb9ca",
    "price": {
        "amount": "1174.00",
        "currency": "DKK"
    },
    "url": "/gotostore/v1/DK/ffd599ceb79704952afd9ccba4fbb9ca",
    "merchant": {
        "id": "1325",
        "name": "CompuMail",
        "image": null
    },
    "pricePerUnit": null
},
"classification": "UNCLASSIFIED",
"previewMerchants": {
    "count": 0,
    "merchants": []
},
"installmentPrice": null
},
{
    "id": "3203361233",
    "name": "AMD Ryzen 5 4500 3.6GHz Socket AM4 Tray",
    "description": "AMD Socket AM4, 2022",
    "url":
"/gotostore/v1/DK/2a196141791acbe01acd897dd7a1f4ae?productId=3203361233",
    "lowestPrice": {
        "amount": "872.50",
        "currency": "DKK"
    },
    "image": {
        "id": "3008758635",
        "url": null,
        "path": "/product/3008758635/AMD-Ryzen-5-4500-3.6GHz-Socket-
AM4-Tray.jpg",
        "description": "AMD Ryzen 5 4500 3.6GHz Socket AM4 Tray"
    }
}

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```

    },
    "filterHits": [],
    "rank": null,
    "brand": null,
    "rating": {
        "numberOfRatings": 0,
        "averageRating": "0.0",
        "count": 0,
        "average": "0.0"
    },
    "priceDrop": {
        "oldPrice": {
            "amount": "1161.00",
            "currency": "DKK"
        },
        "percent": "24.85"
    },
    "ribbon": {
        "type": "PRICE_DROP_ABSOLUTE",
        "value": "288.51",
        "description": null
    },
    "productGroup": null,
    "cheapestOffer": {
        "id": "2a196141791acbe01acd897dd7a1f4ae",
        "price": {
            "amount": "872.50",
            "currency": "DKK"
        },
        "url": "/gotostore/v1/DK/2a196141791acbe01acd897dd7a1f4ae",
        "merchant": {
            "id": "283860",
            "name": "Bittech IT",
            "image": null
        },
        "pricePerUnit": null
    },
    "classification": "UNCLASSIFIED",
    "previewMerchants": {
        "count": 0,
        "merchants": []
    },
    "installmentPrice": null
},
{
    "id": "3200124302",
    "name": "AMD Epyc 7453 2.75GHz Socket SP3 Tray",
    "description": "AMD Socket SP3, 2021",

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```

        "url":
"/gotostore/v1/DK/027dad0ee899f56f133d4eaa7eafa1c5?productId=3200124302",
        "lowestPrice": {
            "amount": "6098.00",
            "currency": "DKK"
        },
        "image": {
            "id": "3001368033",
            "url": null,
            "path": "/product/3001368033/AMD-Epyc-7453-2.75GHz-Socket-
SP3-Tray.jpg",
            "description": "AMD Epyc 7453 2.75GHz Socket SP3 Tray"
        },
        "filterHits": [],
        "rank": null,
        "brand": null,
        "rating": {
            "numberOfRatings": 0,
            "averageRating": "0.0",
            "count": 0,
            "average": "0.0"
        },
        "priceDrop": {
            "oldPrice": {
                "amount": "12379.00",
                "currency": "DKK"
            },
            "percent": "50.74"
        },
        "ribbon": {
            "type": "PRICE_DROP_ABSOLUTE",
            "value": "6281.10",
            "description": null
        },
        "productGroup": null,
        "cheapestOffer": {
            "id": "027dad0ee899f56f133d4eaa7eafa1c5",
            "price": {
                "amount": "6098.00",
                "currency": "DKK"
            },
            "url": "/gotostore/v1/DK/027dad0ee899f56f133d4eaa7eafa1c5",
            "merchant": {
                "id": "27750",
                "name": "happii.dk",
                "image": null
            },
            "pricePerUnit": null

```

```

    },
    "classification": "UNCLASSIFIED",
    "previewMerchants": {
        "count": 0,
        "merchants": []
    },
    "installmentPrice": null
},
{
    "id": "3200124286",
    "name": "AMD Epyc 7343 3.2GHz Socket SP3 Tray",
    "description": "AMD Socket SP3, 2021",
    "url":
"/gotostore/v1/DK/f40ce94bbbd8d4e2c104e64e4a4c840a?productId=3200124286",
    "lowestPrice": {
        "amount": "4526.00",
        "currency": "DKK"
    },
    "image": {
        "id": "3001367935",
        "url": null,
        "path": "/product/3001367935/AMD-Epyc-7343-3.2GHz-Socket-
SP3-Tray.jpg",
        "description": "AMD Epyc 7343 3.2GHz Socket SP3 Tray"
    },
    "filterHits": [],
    "rank": {
        "rank": 227,
        "trend": "NEGATIVE"
    },
    "brand": null,
    "rating": {
        "numberOfRatings": 0,
        "averageRating": "0.0",
        "count": 0,
        "average": "0.0"
    },
    "priceDrop": {
        "oldPrice": {
            "amount": "7213.00",
            "currency": "DKK"
        },
        "percent": "37.25"
    },
    "ribbon": {
        "type": "PRICE_DROP_ABSOLUTE",
        "value": "2686.84",
        "description": null
    }
}

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```

    },
    "productGroup": null,
    "cheapestOffer": {
      "id": "f40ce94bbbd8d4e2c104e64e4a4c840a",
      "price": {
        "amount": "4526.00",
        "currency": "DKK"
      },
      "url": "/gotostore/v1/DK/f40ce94bbbd8d4e2c104e64e4a4c840a",
      "merchant": {
        "id": "27750",
        "name": "happii.dk",
        "image": null
      },
      "pricePerUnit": null
    },
    "classification": "UNCLASSIFIED",
    "previewMerchants": {
      "count": 0,
      "merchants": []
    },
    "installmentPrice": null
  },
  {
    "id": "5309314",
    "name": "AMD Epyc 7742 2.25GHz Socket SP3 Tray",
    "description": "AMD Socket SP3, 2019",
    "url":
"/gotostore/v1/DK/a0491e1ff771d66d67eebf9e51a0bd2c?productId=5309314",
    "lowestPrice": {
      "amount": "9735.00",
      "currency": "DKK"
    },
    "image": {
      "id": "3000680117",
      "url": null,
      "path": "/product/3000680117/AMD-Epyc-7742-2.25GHz-Socket-
SP3-Tray.jpg",
      "description": "AMD Epyc 7742 2.25GHz Socket SP3 Tray"
    },
    "filterHits": [],
    "rank": {
      "rank": 306,
      "trend": "POSITIVE"
    },
    "brand": null,
    "rating": {
      "numberOfRatings": 0,

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```

        "averageRating": "0.0",
        "count": 0,
        "average": "0.0"
    },
    "priceDrop": {
        "oldPrice": {
            "amount": "11275.00",
            "currency": "DKK"
        },
        "percent": "13.66"
    },
    "ribbon": {
        "type": "PRICE_DROP_ABSOLUTE",
        "value": "1540.17",
        "description": null
    },
    "productGroup": null,
    "cheapestOffer": {
        "id": "a0491e1ff771d66d67eebf9e51a0bd2c",
        "price": {
            "amount": "9735.00",
            "currency": "DKK"
        },
        "url": "/gotostore/v1/DK/a0491e1ff771d66d67eebf9e51a0bd2c",
        "merchant": {
            "id": "19414",
            "name": "DataWorld",
            "image": null
        },
        "pricePerUnit": null
    },
    "classification": "UNCLASSIFIED",
    "previewMerchants": {
        "count": 0,
        "merchants": []
    },
    "installmentPrice": null
},
{
    "id": "5291319",
    "name": "AMD Epyc 7302P 3.0GHz Socket SP3 Tray",
    "description": "AMD Socket SP3, 2019",
    "url":
"/gotostore/v1/DK/0e8845f25dc14b42f7d188cd9ae3856c?productId=5291319",
    "lowestPrice": {
        "amount": "2921.00",
        "currency": "DKK"
    },

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        "image": {
            "id": "3000616804",
            "url": null,
            "path": "/product/3000616804/AMD-Epyc-7302P-3.0GHz-Socket-
SP3-Tray.jpg",
            "description": "AMD Epyc 7302P 3.0GHz Socket SP3 Tray"
        },
        "filterHits": [],
        "rank": {
            "rank": 418,
            "trend": "POSITIVE"
        },
        "brand": null,
        "rating": {
            "numberOfRatings": 0,
            "averageRating": "0.0",
            "count": 0,
            "average": "0.0"
        },
        "priceDrop": {
            "oldPrice": {
                "amount": "5657.00",
                "currency": "DKK"
            },
            "percent": "48.36"
        },
        "ribbon": {
            "type": "PRICE_DROP_ABSOLUTE",
            "value": "2735.73",
            "description": null
        },
        "productGroup": null,
        "cheapestOffer": {
            "id": "0e8845f25dc14b42f7d188cd9ae3856c",
            "price": {
                "amount": "2921.00",
                "currency": "DKK"
            },
            "url": "/gotostore/v1/DK/0e8845f25dc14b42f7d188cd9ae3856c",
            "merchant": {
                "id": "19414",
                "name": "DataWorld",
                "image": null
            },
            "pricePerUnit": null
        },
        "classification": "UNCLASSIFIED",
        "previewMerchants": {

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        "count": 0,
        "merchants": [],
    },
    "installmentPrice": null
},
{
    "id": "3254499588",
    "name": "AMD Ryzen 5 5500GT CPU 3.6 GHz Processor 6 kerner med
12 tr\u00e5de 16 mb cache",
    "description": null,
    "url":
"/gotostore/v1/DK/7885d6267c573461c8a9a1b7ee7cab39?productId=3254499588",
    "lowestPrice": {
        "amount": "929.00",
        "currency": "DKK"
    },
    "image": {
        "id": "3059983979",
        "url": null,
        "path": "/product/3059983979/AMD-Ryzen-5-5500GT-CPU-3.6-GHz-
Processor-6-kerner-med-12-traade-16-mb-cache.jpg",
        "description": "AMD Ryzen 5 5500GT CPU 3.6 GHz Processor 6
kerner med 12 tr\u00e5de 16 mb cache"
    },
    "filterHits": [],
    "rank": null,
    "brand": null,
    "rating": {
        "numberOfRatings": 0,
        "averageRating": "0.0",
        "count": 0,
        "average": "0.0"
    },
    "priceDrop": {
        "oldPrice": {
            "amount": "1037.00",
            "currency": "DKK"
        },
        "percent": "10.41"
    },
    "ribbon": {
        "type": "PRICE_DROP_ABSOLUTE",
        "value": "107.95",
        "description": null
    },
    "productGroup": null,
    "cheapestOffer": {
        "id": "7885d6267c573461c8a9a1b7ee7cab39",

```



```

        "price": {
            "amount": "929.00",
            "currency": "DKK"
        },
        "url": "/gotostore/v1/DK/7885d6267c573461c8a9a1b7ee7cab39",
        "merchant": {
            "id": "1325",
            "name": "CompuMail",
            "image": null
        },
        "pricePerUnit": null
    },
    "classification": "UNCLASSIFIED",
    "previewMerchants": {
        "count": 0,
        "merchants": []
    },
    "installmentPrice": null
},
{
    "id": "5308953",
    "name": "AMD Epyc 7702P 2.0GHz Socket SP3 Tray",
    "description": "AMD Socket SP3",
    "url":
"/gotostore/v1/DK/b1749d71688eeb611146757adbca677d?productId=5308953",
    "lowestPrice": {
        "amount": "32246.25",
        "currency": "DKK"
    },
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        "id": "3000678824",
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SP3-Tray.jpg",

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