What we want?

- Details of the products, which is listed on **AJIO**.

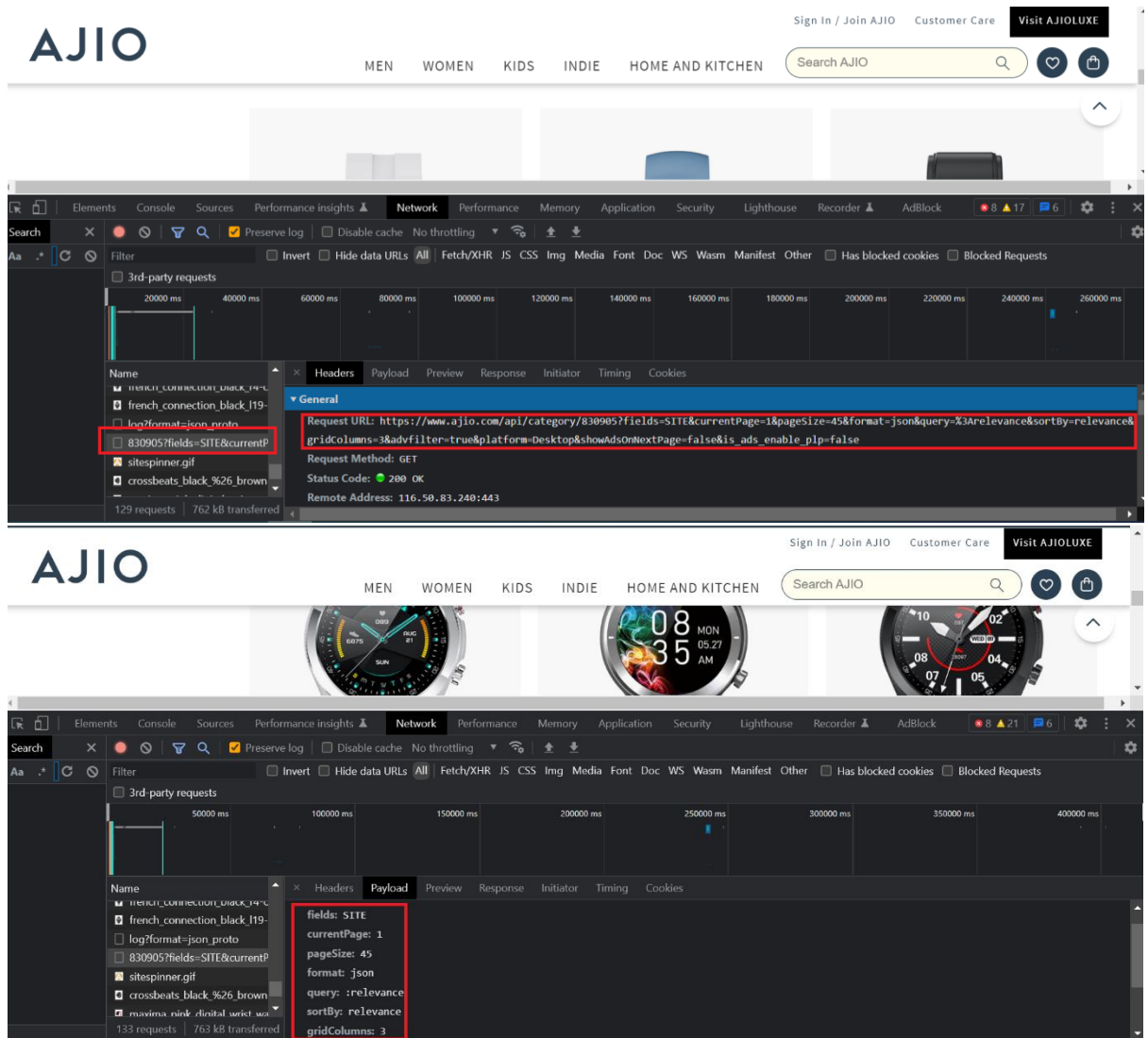## How?

- We can get the all details which is available in AJIO by **using APIs.**

How to use API & How it works?

- We will understand how API works in different steps with some example in which we will use images and curls.

- From the response of the requested category URL we get the JSON in page source from which we get the **cat_id** by splitting the URL we get in "itemListElement" as shown below.

- Below images shows the request and payload from which we the products list available on the page.

- Following is the curl in which we pass the **cat_id** and payload data which contains pagination and data per page size as "currentPage" and "pageSize" respectively.

```
curl
'https://www.ajio.com/api/category/830905?fields=SITE&currentPage=1&pageSize=
45&format=json&query=%3Arelevance&sortBy=relevance&gridColumns=3&advfilt
er=true&platform=Desktop&showAdsOnNextPage=false&is_ads_enable_plp=false' \

  -H 'Accept-Language: en-US,en;q=0.9,pt;q=0.8,gu;q=0.7' \

  -H 'Connection: keep-alive' \

  -H $'Cookie: _ga=GA1.2.964915397.1656189922;
_gcl_au=1.1.1423229562.1656189922; AB=B; V=201;
_fp=037d49e38fab9ed5ec736ddda2998b42; g_state={"i_p":1656197127637,"i_l":1};
_gaexp=GAX1.2.yxj22HJLT0u-
6bMbWpwqfg.19239.0\u0021T4xIaQ2PScaLb0HatEVzzw.19209.x517;
_gcl_aw=GCL.1656189962.CjwKCAjw5NqVBhAjEiwAeCa97Wz6U5BaQG-
```

XuRDVfIXJAFmvqnoT_NO6pJg0oNFEovtYg7ZpTtDdgBoCW3UQAvD_BwE;
_gac_UA-68002030-
1=1.1656189964.CjwKCAjw5NqVBhAjEiwAeCa97Wz6U5BaQG-
XuRDVfIXJAFmvqnoT_NO6pJg0oNFEovtYg7ZpTtDdgBoCW3UQAvD_BwE;
cto_bundle=Nnf_1F8yJTJGcUVYY3pGcklPRnllJTJCRHI1YmdLVjBnUjZwYVM0b
jZFcGR2cGJJb056ejRJMGIxU1RXWXphdTAlMkJ2YWZRR0lyajB6eTBQTEJDNz
hTd2J2amwyRXVpY01Ed2szR1RWbmtqM0hGZnp1MDBLVXJRd1dpQUVJYiUy
RndCUHQ2dDdoQkpwVTJNaEZJSzA4NnBmRE00aXZLcWo0QSUzRCUzRA;
PushSubscriberStatus=CLOSED; peclosed=true;
TS014a283e=01ef61aed02640296a116423c2d607979ea0475702a5ceb2ec56d6bd2f0
46f3f952f4dce392fb782a78ea15f1430957fab639fc2fb;
_gid=GA1.2.263128226.1657964159; ImpressionCookie=0;
sessionStatus=true|undefined; FirstPage=Sat Jul 16 2022 15:06:20 GMT+0530 (India
Standard Time);
cdigiMrkt=utm_source%3Aadmitad%7Cutm_medium%3Aaffiliate%7Cdevice%3Ad
%7Cexpires%3ATue%2C%2026%20Jul%202022%2009%3A36%3A22%20GMT%7
C; _dc_gtm_UA-68002030-1=1' \

  -H 'Referer: https://www.ajio.com/tech-smart-wearables/c/830905?query=:relevance'
\

  -H 'Sec-Fetch-Dest: empty' \

  -H 'Sec-Fetch-Mode: cors' \

  -H 'Sec-Fetch-Site: same-origin' \

  -H 'User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36' \

  -H 'accept: application/json' \

  -H 'sec-ch-ua: ".Not/A)Brand";v="99", "Google Chrome";v="103",
"Chromium";v="103"' \

  -H 'sec-ch-ua-mobile: ?0' \

  -H 'sec-ch-ua-platform: "Windows"' \

  --compressed

- Processing the above curl we get the following JSON in response from which we get the product URL.

"totalPages": 3
},
▶"currentQuery": { 2 items },
▶"metaElementData": [9 items],
"categoryCode": "830905",
"categoryName": "Smart Wearables",
▼"products": [
    ▼{
        "code": "469099875001",
        "couponStatus": "Coupon Applicable",
        ▶"fnlColorVariantData": { 6 items },
        ▶"images": [3 items],
        ▶"fnlProductData": { 3 items },
        "discountPercent": "49% off",
        ▶"price": { 5 items },
        ▶"wasPriceData": { 5 items },
        "name": "DSM90003-2 165" IPS Display Smartwatch with Rubber Strap",
        "brickName": "830905001",
        "verticalName": "830905",
        "segmentName": "8309",
        "catalogName": "rilfnlProductCatalog",
        "brandTypeName": "daniel-klein",
        "volumePricesFlag": false,
        "url": "/daniel-klein-dsm90003-2-165-ips-display-smartwatch-with-rubber-strap/p/469099875_silver"
    },

307   </script>
308
309
310   <script>
311   window.__PRELOADED_STATE__ = {"wishlist":{},"navigation":{"status":{"statusCode":0,"messageDescription":" fetched successfully","errorCode":"OK"},"data":
{"childDetails":[{"name":"MEN","newFlag":false,"sequence":1,"url":"/shop/men","childDetails":[{"name":"CATEGORIES","newFlag":false,"sequence":0,"url":"","childDetails":
[{"name":"CLOTHING","newFlag":false,"sequence":0,"url":"/s/clothing-4461-74581","tag":"","childDetails":[]},{"name":"FOOTWEAR &
ACCESSORIES","newFlag":false,"sequence":1,"url":"/s/footwear-and-accessories-4461-74581","tag":"","childDetails":[]},{"name":"ALL THATS
NEW","newFlag":false,"sequence":2,"url":"/s/latest-collections-4461-74581","tag":"","childDetails":[{"name":"Clothing","newFlag":false,"sequence":0,"url":"/s/clothing-4461-
74582","tag":"","childDetails":[]},{"name":"Footwear","newFlag":false,"sequence":1,"url":"/s/footwear-4461-74581","tag":"","childDetails":[]},
{"name":"Accessories","newFlag":false,"sequence":2,"url":"/s/accessories-4461-74581","tag":"","childDetails":[]}]},{"name":"INTERNATIONAL
BRANDS","newFlag":false,"sequence":3,"url":"/s/international-brands-men","tag":"","childDetails":[]},{"name":"WINTERWEAR","newFlag":false,"sequence":4,"url":"/s/men-
winterwear-4137-78751","childDetails":[]},{"name":"NIGHT & LOUNGEWEAR","newFlag":false,"sequence":5,"url":"/men-night-lounge-wear/c/830212","childDetails":[]},
{"name":"GROOMING","newFlag":false,"sequence":6,"url":"/s/grooming-4384-57431","tag":"NEW","childDetails":[]},{"name":"ETHNIC &
FESTIVE","newFlag":false,"sequence":7,"url":"/s/ethnic-and-festive-collections","tag":"HOT","childDetails":[{"name":"Kurtas And
Shirts","newFlag":false,"sequence":0,"url":"/s/men-kurtas-and-shirts-4390-76941","tag":"","childDetails":[]},{"name":"Nehru
Jackets","newFlag":false,"sequence":1,"url":"/s/men-jackets-collection","childDetails":[]}]},{"name":"WESTERN WEAR","newFlag":false,"sequence":8,"url":"/men-western-
wear/c/830216","childDetails":[{"name":"Jackets & Coats","newFlag":false,"sequence":0,"url":"/men-jackets-coats/c/830216010","childDetails":[]},
{"name":"Jeans","newFlag":false,"sequence":1,"url":"/men-jeans/c/830216001","childDetails":[]},{"name":"Shirts","newFlag":false,"sequence":2,"url":"/men-
shirts/c/830216013","childDetails":[]},{"name":"Shorts & 3/4ths","newFlag":false,"sequence":3,"url":"/men-shorts-3-4ths/c/830216002","childDetails":[]},{"name":"Sweatshirts
& Hoodies","newFlag":false,"sequence":4,"url":"/men-sweatshirt-hoodies/c/830216011","childDetails":[]},{"name":"Track Pants","newFlag":false,"sequence":5,"url":"/men-track-
pants/c/830216003","childDetails":[]},{"name":"Trousers & Pants","newFlag":false,"sequence":6,"url":"/men-trousers-pants/c/830216004","childDetails":[]},{"name":"T-
shirts","newFlag":false,"sequence":7,"url":"/men-tshirts/c/830216014","childDetails":[]}]},{"name":"FOOTWEAR","newFlag":false,"sequence":9,"url":"/men-
footwear/c/830207","childDetails":[{"name":"Casual Shoes","newFlag":false,"sequence":0,"url":"/men-casual-shoes/c/830207006","childDetails":[]},{"name":"Flip-Flops &
Slippers","newFlag":false,"sequence":1,"url":"/men-flip-flop-slippers/c/830207001","childDetails":[]},{"name":"Formal Shoes","newFlag":false,"sequence":2,"url":"/men-formal-
shoes/c/830207007","childDetails":[]},{"name":"Sandals","newFlag":false,"sequence":3,"url":"/s/sandals-3486-32871","childDetails":[]},
{"name":"Sneakers","newFlag":false,"sequence":4,"url":"/men-sneakers/c/830207010","childDetails":[]},{"name":"Sports Shoes","newFlag":false,"sequence":5,"url":"/men-sports-
shoes/c/830207008","childDetails":[]}]}]},{"name":"ACCESSORIES","newFlag":false,"sequence":10,"url":"/s/men-accessories-brands","childDetails":
[{"name":"Backpacks","newFlag":false,"sequence":0,"url":"/men-backpacks/c/830201001","childDetails":[]},{"name":"Bags & Wallets","newFlag":false,"sequence":1,"url":"/s/bags-
3560-19911","childDetails":[]},{"name":"Belts","newFlag":false,"sequence":2,"url":"/men-belts/c/830201007","childDetails":[]},{"name":"Caps &
Hats","newFlag":false,"sequence":3,"url":"/men-caps-hats/c/830202001","childDetails":[]},{"name":"Fashion Accessories","newFlag":false,"sequence":4,"url":"/men-fashion-
jewellery/c/830205","childDetails":[]},{"name":"Socks","newFlag":false,"sequence":5,"url":"/men-socks/c/830202002","childDetails":[]},{"name":"Sunglasses &
Frames","newFlag":false,"sequence":6,"url":"/s/mhp-sunglasses-and-frames-4119-33682","tag":"","childDetails":[]},
{"name":"Wallets","newFlag":false,"sequence":7,"url":"/s/wallets-3560-19911","childDetails":[]},{"name":"Watches","newFlag":false,"sequence":8,"url":"/s/men-watches-3991-
40341","childDetails":[]}]},{"name":"PRECIOUS JEWELLERY","newFlag":false,"sequence":11,"url":"/s/precious-jewellery-4119-63402","childDetails":[{"name":"Gold and Silver
Coins","newFlag":false,"sequence":0,"url":"/s/gold-and-silver-coins-4490-64441","tag":"","childDetails":[]},{"name":"Gold And Diamond
Jewellery","newFlag":false,"sequence":1,"url":"/s/gold-and-diamond-jewellery-4469-70481","tag":"","childDetails":[]},{"name":"Silver

- After requesting product URL, from its page_source we get the above JSON data and it will satisfy our all requirements and also provide other information which can help us for more details if needed in future.

THANK YOU