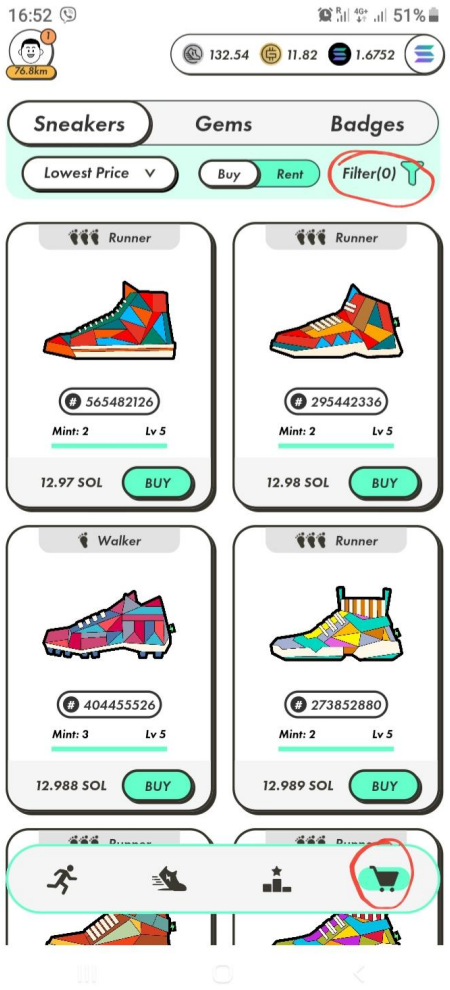
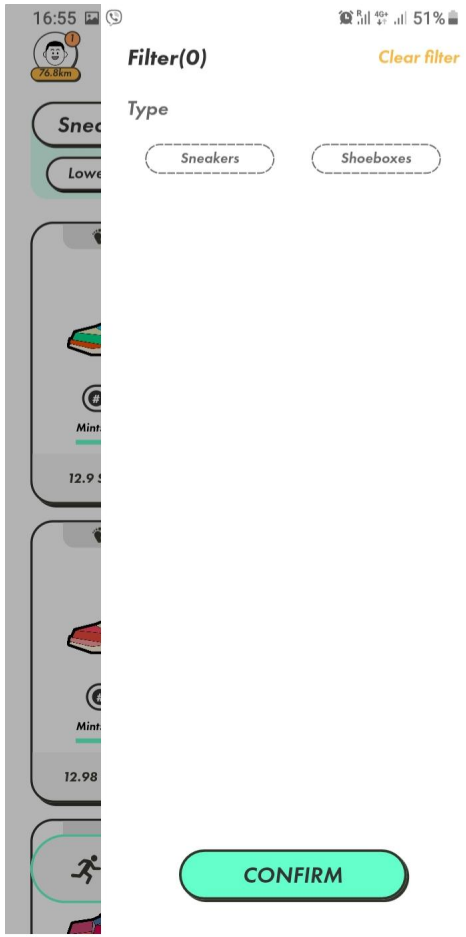
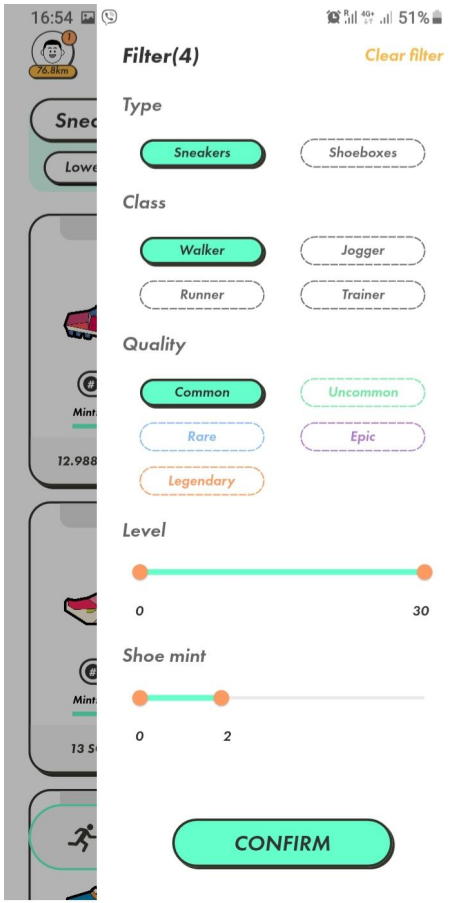
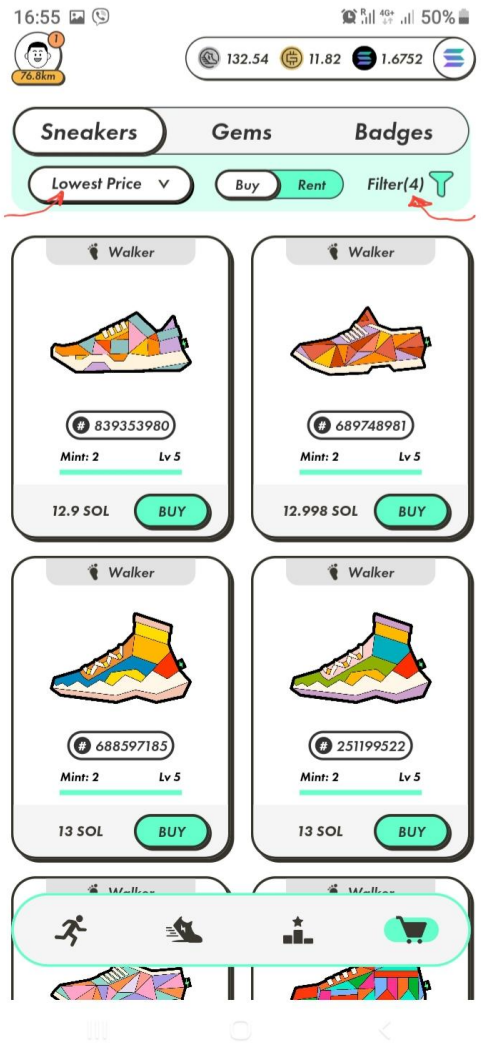
The Technical Task for the bot/script to work with the NFT App

Open the marketplace inside the App	

Set the filters: -Snickers -Walker -Common -Shoe mint: 0 (next time 1, and next 2. Will search only these three options separately and populate a data base)	


16:54
51%
Filter(4)
Clear filter
Type
Sneakers
Shoeboxes
Class
Walker
Jogger
Runner
Trainer
Quality
Common
Uncommon
Rare
Epic
Legendary
Level
0
30
Shoe mint
0
2
CONFIRM

Sort by Lowest Price	

Open each Snickers once a time and press the "BASE" button to see the true attributes (how they was at the beginning, when Level 0 was). If we are not pushing this button we will see the attributes after level upgrades. In this case we will make a wrong conclusion.	

16:57
50%
132.54
11.82
1.6752
769777540
1-6 km/h
Common
Walker
100.0/100.0
Level 5
Shoe Mint 2/7
Attributes
Base
Efficiency
4.3
Luck
8.4
Comfort
1.7
Resilience
3.2
13 SOL
BUY NOW

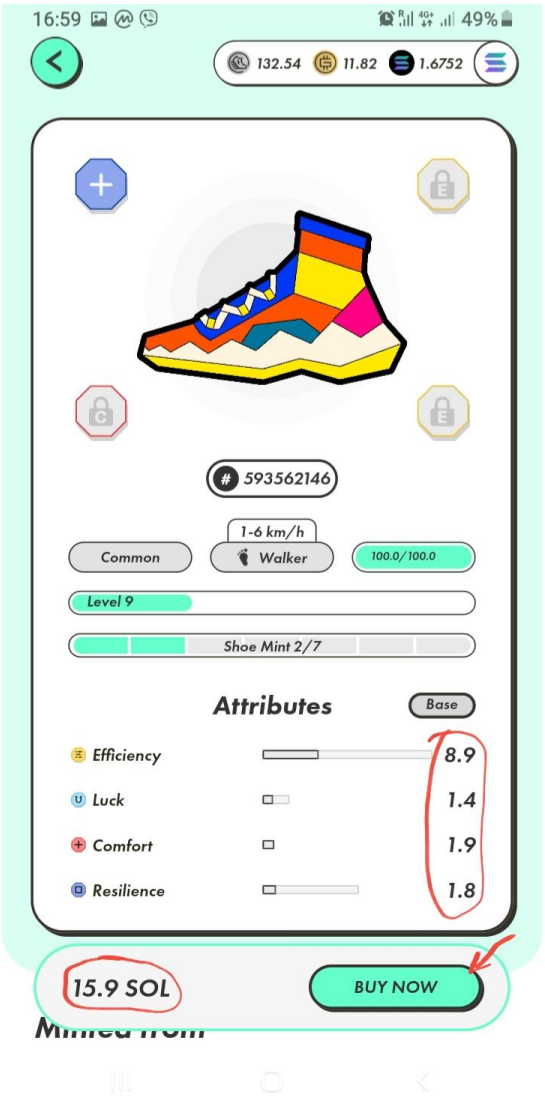
Now we should scrap the information of all attributes and the price and write them in a Data Base (google sheets or excel file) for future use. We will do this for each snickers from the marketplace (Or first 1000).

There can be a maximum 40 attributes for one snickers. (10 of Efficiency, 10 of Luck, 10 of Comfort, 10 of Resilience). But we will not look to Comfort attribute.
We only will collect information for other three - Efficiency, Luck and Resilience)

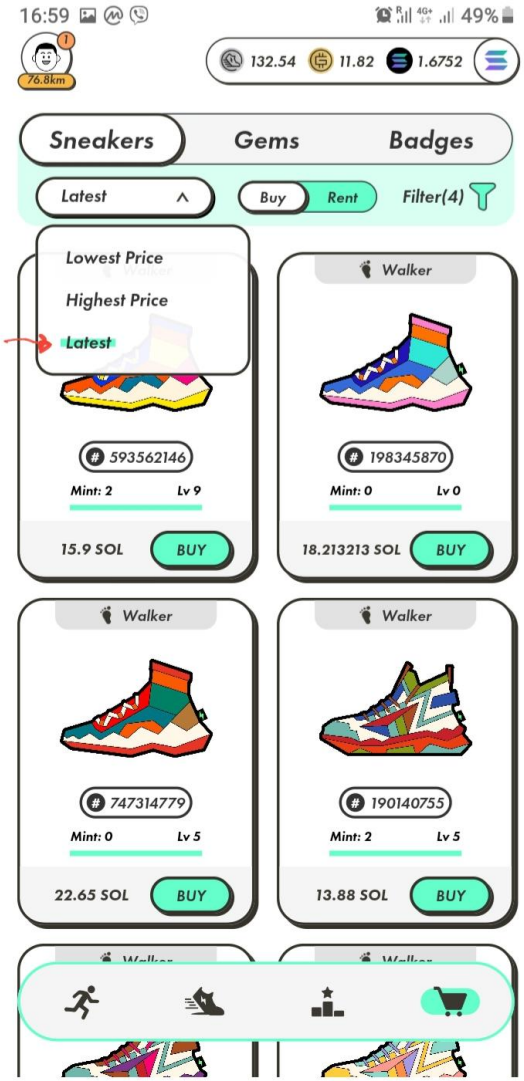
After scraping all the snickers from the marketplace we need make the second Data Base (table) where will be 40 rows (one row for each sum of attributes (Efficiency, Luck and Resilience together) and the average price for each category of attributes:

- sum of attributes is between 0.1 and 1, and average price for the 10 snickers with the smaller price from this category
- …
- …
- Sum of attributes is between 39.1 and 40 and average price for the 10 snickers with the smaller price from this category

We will use this table later when we will analyze the snickers to buy. We will know the princess for each category of snickers and their prices.



This was the first part. We populated our data base. This will be done every few hours (3-5). **Now we will do the second part:**	

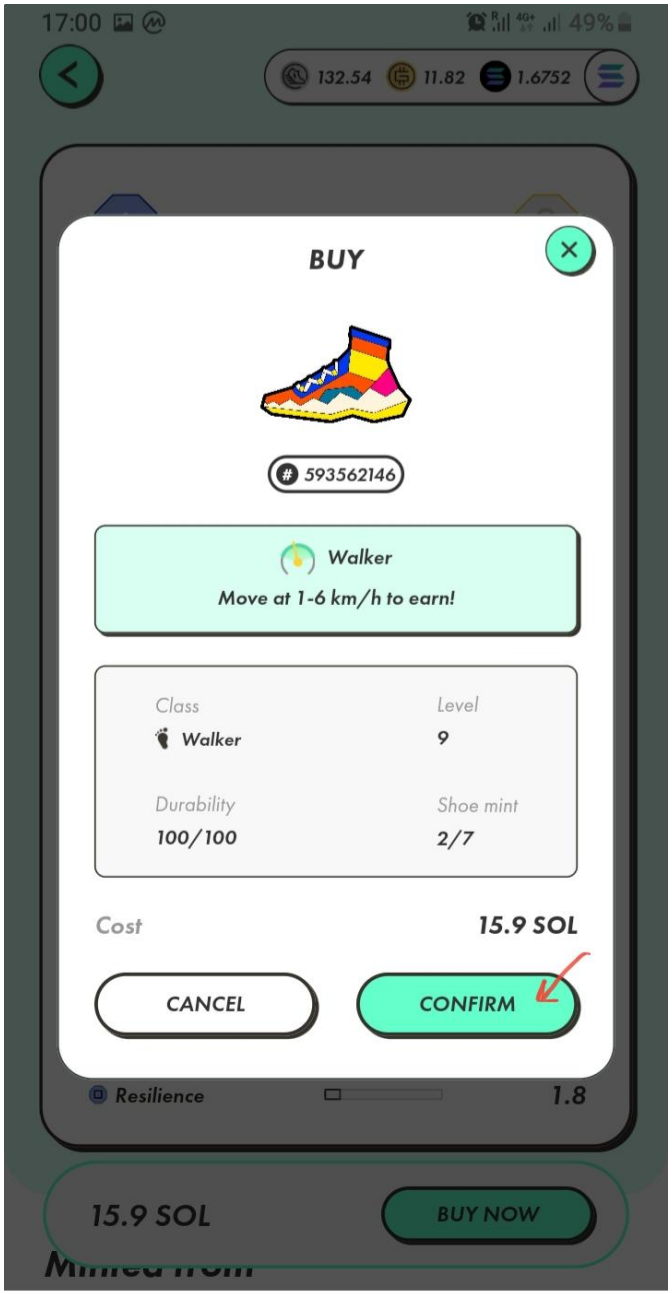
Will change the Sorting Menu to "Latest"	

The bot should open the newest added item. Push the button “BASE”. Compare the price with the category with this sum of attributes from our second table.

If the price is minimum 15% cheaper than the average price of the 10 cheapest snickers from this category of attributes, then it should buy this snickers by pressing the “BUY NOW” button and then “CONFIRM” button.

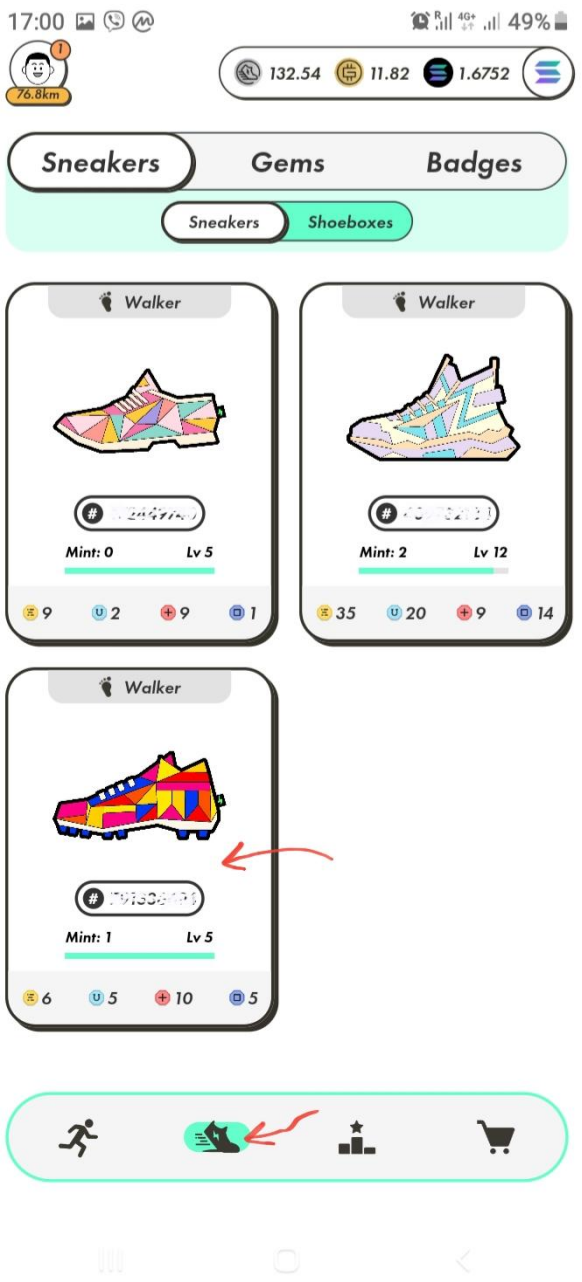
It should do it very quickly, in less then a second, because there are many people who are doing this all the time. We should be the fastest.

If the price is not good for our criterias, then the bot should refresh and open the newly added snickers and repeat.

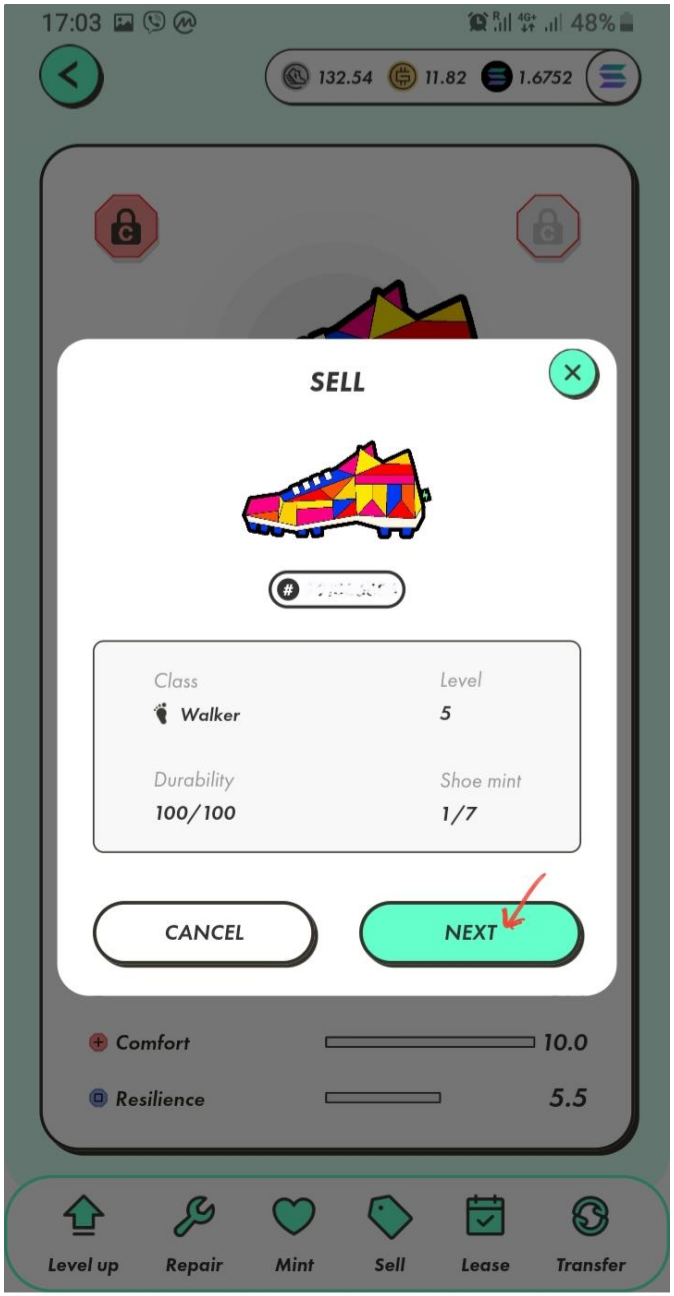

17:00
49%
132.54
11.82
1.6752
BUY
593562146
Walker
Move at 1-6 km/h to earn!
Class
Walker
Level
9
Durability
100/100
Shoe mint
2/7
Cost
15.9 SOL
CANCEL
CONFIRM
Resilience
1.8
15.9 SOL
BUY NOW

The third part:	

After purchasing the snickers it will appear in our inventory (The second button from the bottom menu.



Open it and push the “SELL” button	

Press the “NEXT” button	

Insert the price for selling. Of course we should sell plus a profit 5-10%. We should be cheaper than the price from our second tabele, but to make a profit, too. (We bought it because it was 15% cheaper than average from this category). Press the “CONFIRM” button	

That is all.

1) First part (scraping) should be done every 3-5 hours, because the prices are changing very often.
2) The second part (searching the snickers to buy) should stop when there are no more SOL in the Wallet (upper right corner). It should start automatically if the money (SOL) will appear in the wallet (after a sale).
3) The third part (selling of snickers) depends on the second part. If there are new bought snickers then it starts to sell, if not then it is awaiting for a good opportunity.
4) The bot should work automatically, without my manipulation. I need to insert only the percentage for signals to buy and the percentage for selling the bought snickers.