Skincare Recommendations

Based on products from The Ordinary

Key Features

- Recommendation Ranking System
- Detection and Avoidance of Contraindications/Conflicts

Recommendation Ranking System

OUTPUTS GLYCOLIC ACID
input.txt:
% Skin Concerns
concerns(sebum).
% Sensitivity Level
sensitivity_level(low).
% Skin Type
skin_type(oily).

```
(base) arunima@arunima-VM:~/HackReason/SkincareReco
mmendation$ cat output.txt
QUERY:?- product(A),recommendation(A).

        ANSWER: 1 (in 22339.084 ms)


MODEL:
{  }

BINDINGS:
A = glycolic_acid
```

Recommendation Ranking System

```
(base) arunima@arunima-VM:~/HackReason/SkincareReco
mmendation$ scasp master.pl
QUERY:?- product(A),recommendation(A).

        ANSWER: 1 (in 54726.973 ms)


MODEL:
{  }

BINDINGS:
A = mandelic_acid ? ;
```

OUTPUTS MANDELIC ACID
input.txt:
% Skin Concerns
concerns(sebum).
% Sensitivity Level
sensitivity_level(high).
% Skin Type
skin_type(oily).

Detection of Contraindication

SHOULD OUTPUT MANDELIC ACID
concerns(pigmentation)
sensitivity_level(high)
skin_type(oily)

SHOULD OUTPUT ALPHA ARBUTIN
Skin Concerns
concerns(dullness)
sensitivity_level(high)
skin_type(oily)
Why? Because Vitamin C is recommended too!

```
(base) arunima@arunima-VM:~/HackReason/SkincareReco
mmendation$ scasp master.pl
QUERY:?- product(A),recommendation(A).


        ANSWER: 1 (in 54726.973 ms)


MODEL:
{  }

BINDINGS:
A = mandelic_acid ? ;
```

```
(base) arunima@arunima-VM:~/HackReason/SkincareReco
mmendation$ scasp master.pl
QUERY:?- product(A),recommendation(A).

        ANSWER: 1 (in 35241.582 ms)

MODEL:
{  }

BINDINGS:
A = alpha_arbutin ? ;


        ANSWER: 2 (in 135552.071 ms)

MODEL:
{  }

BINDINGS:
A = vitamin_c ? ;

(base) arunima@arunima-VM:~/HackReason/SkincareReco
```