

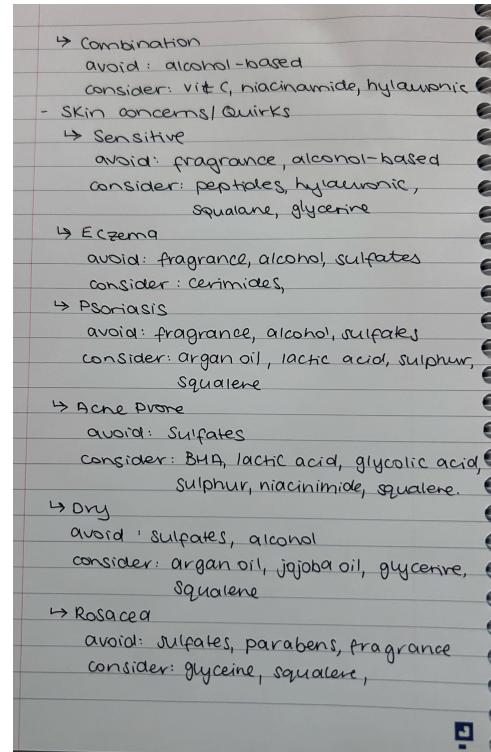
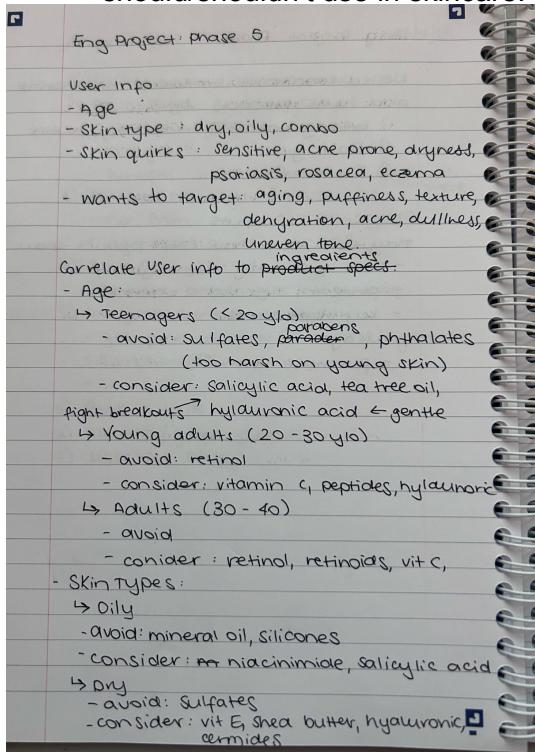
Progress 5

Goal:

- Ask user for historical skincare information
- Exclude products with certain ingredients relating to skincare concerns from recommendations
- Exclude products with certain ingredients for certain age groups
- Make ingredient recommendations for later when we look at ranking the suggestions

Progress Made:

- Read up on what ingredients certain age groups, skin types and skin conditions should/shouldn't use in skincare.



- Built a new function in a new file 'Grouping concerns' that could house all the ingredients I wanted to include/exclude from product recommendations
- Grouped certain age groups with if statements to make age recommendations easier
- Found a way to allow for users to not have to enter a skin quirk.
- All ages, skin types and skin concerns were recommended hyaluronic acid so I removed this
- In this stage I only excluded 'bad ingredients' rather than also including products that had the 'good ingredients' as the good list is not as critical and I think will use these as a way of ranking the products later.
- I updated the cleaning file (cleanData2) to make sure 'key ingredient' and 'made without' columns were being read as all lowercase

Test Case:

User inputs value for product type, budget, and skin concern and a list of products is printed that match the given criteria.

Inputs						Output																		
How old are you?	What is your skin type?	Does your skin have any quirks?	What type of product are you in the market for?	What are you hoping to target	How much are you willing to spend?	Snippet as all columns were given																		
15	Dry	Eczema	Moisturiser	Hydrating	70	<table border="1"> <thead> <tr> <th>Brand</th> <th>ProductName</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>"Drunk Elephant"</td> <td>"Therabu Buttered Reparative Hand Cream 75ml"</td> <td>39</td> </tr> <tr> <td>"MECCA MAX"</td> <td>"THIRST IMPRESSION Priming Hydrating Moisturiser 50ml"</td> <td>24</td> </tr> <tr> <td>"Kiehl's"</td> <td>"Good Night Balm 50ml"</td> <td>50</td> </tr> <tr> <td>"Tower 28"</td> <td>"SOS Daily Barrier Recovery Cream 55ml"</td> <td>39</td> </tr> <tr> <td>"Mario Badescu"</td> <td>"Seaweed Night Cream 30ml"</td> <td>36</td> </tr> </tbody> </table>	Brand	ProductName	Price	"Drunk Elephant"	"Therabu Buttered Reparative Hand Cream 75ml"	39	"MECCA MAX"	"THIRST IMPRESSION Priming Hydrating Moisturiser 50ml"	24	"Kiehl's"	"Good Night Balm 50ml"	50	"Tower 28"	"SOS Daily Barrier Recovery Cream 55ml"	39	"Mario Badescu"	"Seaweed Night Cream 30ml"	36
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Reflection:

- The program is starting to actually show good recommendations.
- The user experience is still average with having type out answers correctly. Hence, in the next stage I will begin working on the GUI to improve UX.