SKINDETECTORISATOR

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DS 120: Programming for Data Science

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Program Description

SKINDETECTORISATOR aims to help people choose skin care products suitable to their skin type. Our program is divided into two parts.

The first part is for people who want good product suggestions according to their skin type. So they input the skin type and product they want, and the program gives some matching recommended products with the highest rating.

The second part is for people who have the cosmetics and want to know whether it suits their skin type. They upload the image of ingredients, OCR code is used to get the ingredients and say for which skin type the product is recommended. Here again, the user can specify the skin care product and the skin type.

Individual Contribution

Aram Adamyan

* Wrote the OCR code, so the image’s ingredients are detected and outputted as a string of ingredients.
* Created the “Drag and Drop” button
* Worked on updating the dash table of suggestions when the user makes the inputs.
* Improved the logic of filtration and recommendation
* Helped to resolve the errors during the long meetings

Liuba Barseghyan

* Designed all the pages (coloring, style, margins, frames, images) and created the content for the web pages.
* Wrote the logic of how the products should be filtered and suggested (two separate functions for each part)
* Had substantial contribution in making the powerpoint presentation slides.
* Made up the name of the app
* Created the logo
* Helped to resolve the errors during the long meetings

Tamara Sedrakyan

* Created the outlay of the apps and connected the pages together.
* Found and cleaned the dataset
* Created the dropdowns
* Helped to write the callbacks
* Helped to resolve the errors during the long meetings