iSkin

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Outline

- Problem
- Solution
- iSkin Usage
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- Conclusion
- Q & A

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Problem

- Cosmetics are a part of everyday life for many people. Since cosmetics have a large prevalence in society, it's important to be an informed and educated consumer and look for healthy and nontoxic ingredients in products.

- Many labels on products claim products are "clean", "natural", or "organic" however this is unreliable. This is mainly because there is no government agency responsible for defining or regulating the manufacture of cosmetics.

- It is important that cosmetic and skincare users are informed and purchase products that are healthy and safe since some ingredients in certain cosmetic products may be toxic.
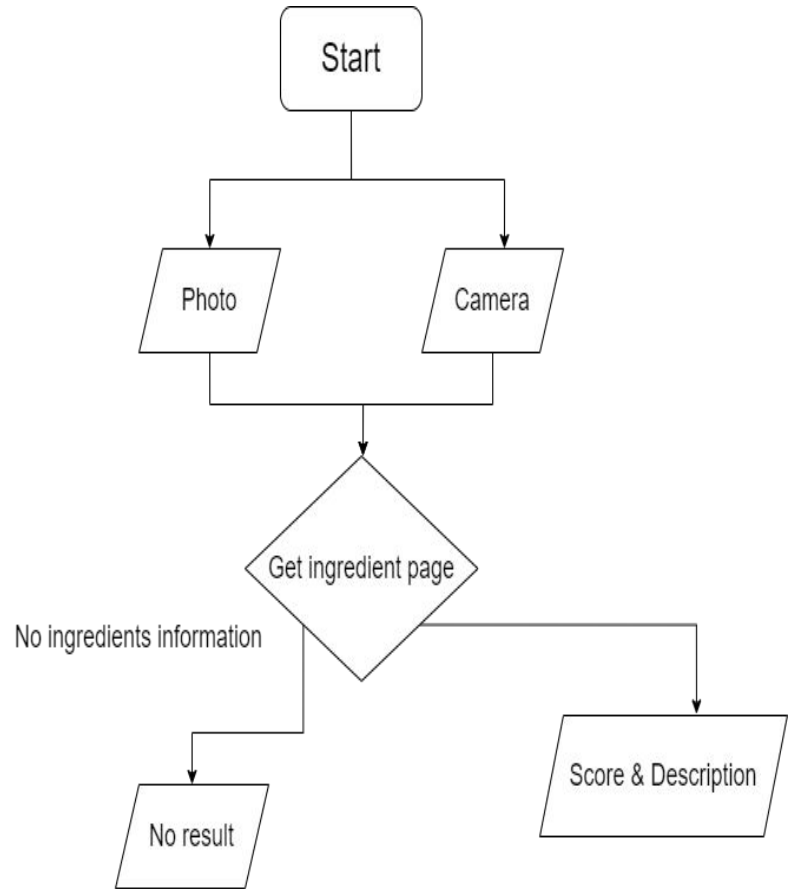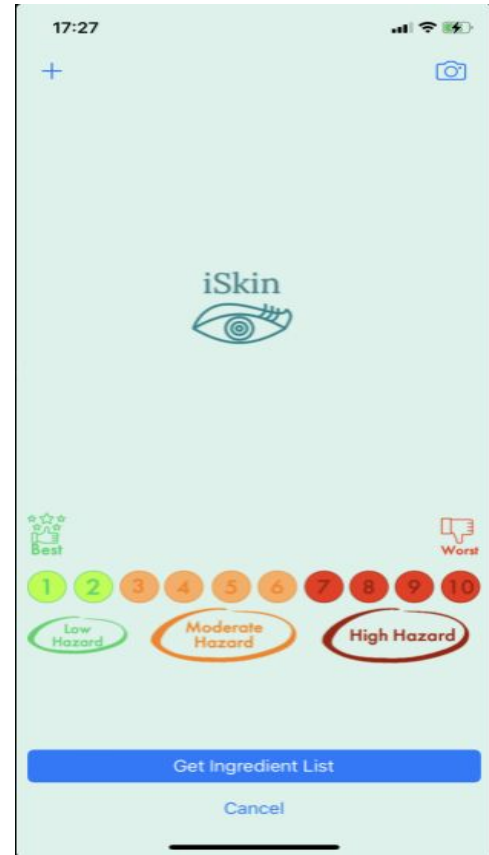
Solution

iSkin

- iSkin allows cosmetic and skincare user will be able to make an educated decision about the product before making a purchase or using the product on their skin.
- Our application, iSkin, uses an ingredient hazard score scale from 1 to 10 that reflect known and suspected hazards linked to the ingredients.
- Then the application will scan all of the ingredients and show the full ingredient list of the product with the hazard score of each of the ingredients as well as a description of the ingredient.
- The cosmetic and skincare user will be able to make an educated decision about the product before making a purchase or using the product on their skin.

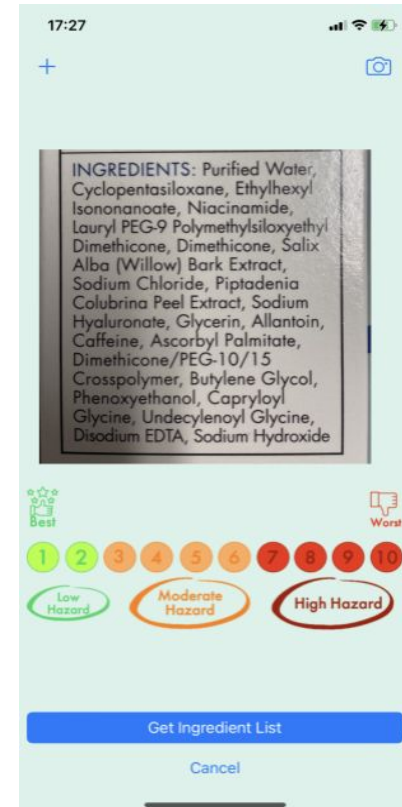# iSkin Usage

- GUI
- Text Capture
- Web Scraping

iSkin Usage-GUI

iSkin Usage-Text capture

- Select photo or take picture of ingredient list on product
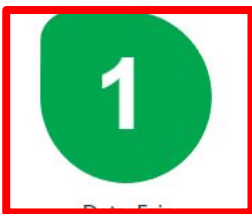
- Application will display ingredients

iSkin Usage

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- In web scraping part, we used swiftsoup, Alamofire, Kanna to scrape data from the web page.
    - First, we get html code first by using Alamofire and apple URL contents.
    - Second, parse by Kanna and swiftsoup to parse the html code.

- By given key word, we can find the ingredients page and scrape its score and description.
    - By parsing the html code, we can gain ingredients' scores and descriptions.

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Data: Fair

Boron Nitride

Boron nitride is a synthetic boron-based inorganic compound used in cosmetics and personal care products to increase adherence and act as oil absorbent.

B≡N

IMAGE SOURCE: PubChem

Common concerns

See how this product scores for common concerns.

● LOW   Cancer

● LOW   Allergies & Immunotoxicity

● LOW   Developmental and Reproductive Toxicity
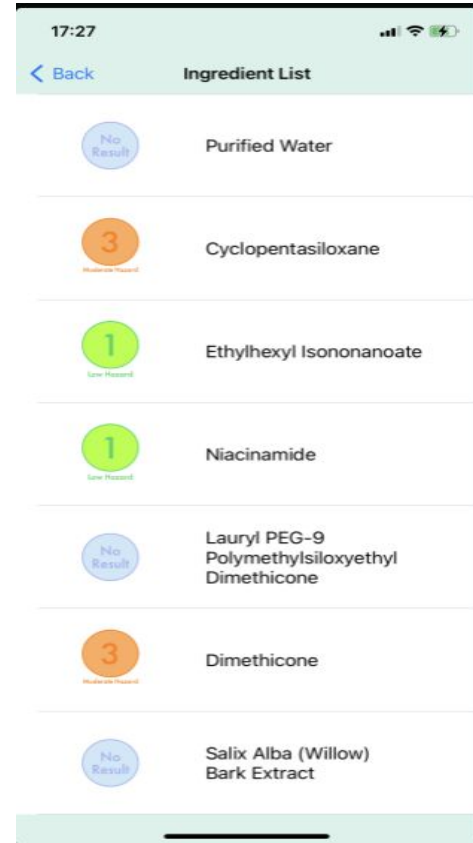
SEARCH PRODUCTS

FIND PRODUCTS WITH THIS INGREDIENT
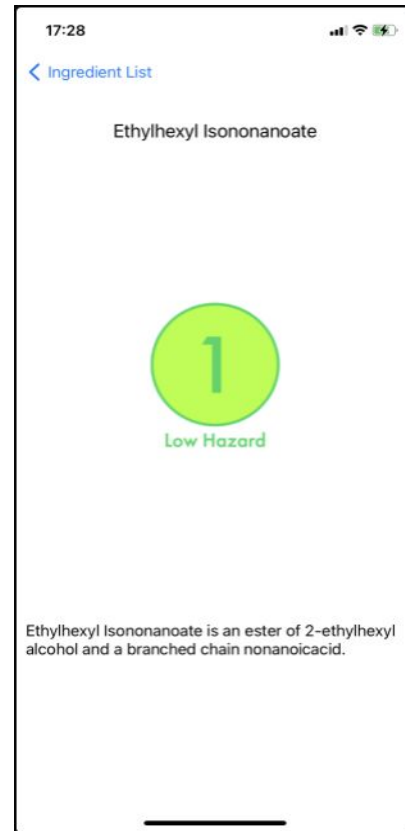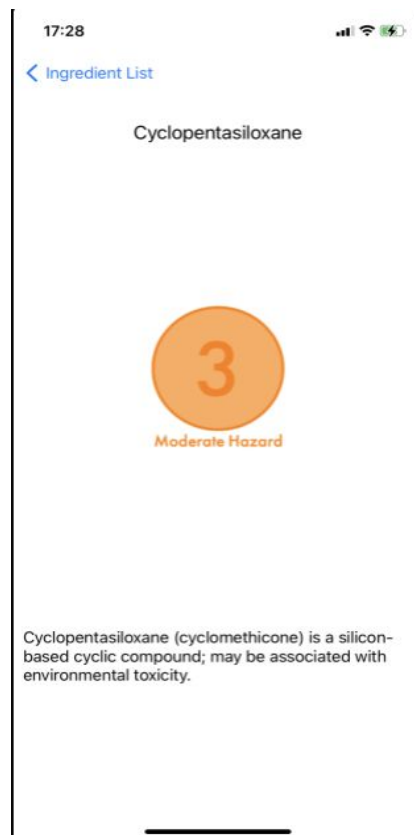
OTHER CONCERNS

Enhanced skin absorption

SYNONYMS

iSkin Usage– Web Scraping

Get the ingredients list!

Products Usage-Web scraping

- Each ingredient has a hazard score and a description.

- Hazard scale is used to determine the toxicity level of the ingredients.

LIVE DEMO

Conclusion

iSkin

- The application helps solve a key problem for cosmetics consumers!

- The consumer can simply scan the ingredient list of a product then see how hazardous the ingredients are or whether or not the ingredients are good for his/her skin.

- This way the cosmetic and skincare user will be able to make an educated decision about the product before making a purchase or using the product on their skin.

- If more and more people make sure to check the ingredients list of products, cosmetic companies will be aware of that and create their products with less toxic ingredients.

Q&A

Thank you!

Reference

https://www.ewg.org/skindeep/