Project Brief - Bangkit 2023

Glowsist

Product Capstone

Team ID : C23-PS468

Selected Themes/Case : Healthcare & Public Health ▾

Mentor Name : Alzahid Muhasabah, May 28, 2023
Arif Rhizky Gilang Purnama, May 27, 2023 , May 30, 2023 , Jun 11, 2023

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Backgrounder:

Glowsist (Glow Assistant) is a SkinCare Recommendation system using AI to help people find the best skincare ingredients and best products for their specific skin type and concerns. The problem we are addressing is the massive variety of skincare products available on the market. According to BPOM, there are already 411,410 skincare products in 2022, which makes it difficult for people to choose the right products that will work for their skin. Also, as reported by the Zap Beauty Index survey, Indonesian women (50.1%) have the highest percentage of skin-related insecurities, followed by size or weight agency (44.9%).

Each team have done:

1. Machine Learning: building models use a pre-trained model (InceptionV3) for face scanning which is detecting acne, redness and skin type. Also made a recommendation system for ingredients and products skincare using a content based filtering.
2. Mobile Development: building mobile apps and integrating API machine learning models using Flutter and Android Studio.
3. Cloud Computing: building backend that can integrate between machine learning models and mobile apps using Cloud Run.
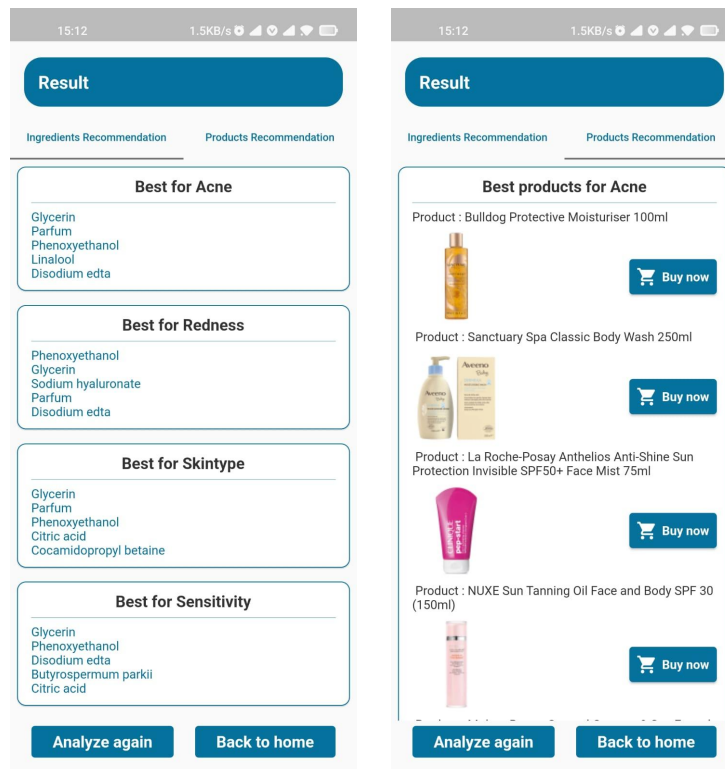
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Project Status:

100% Completed based on Project Plan

Screenshot
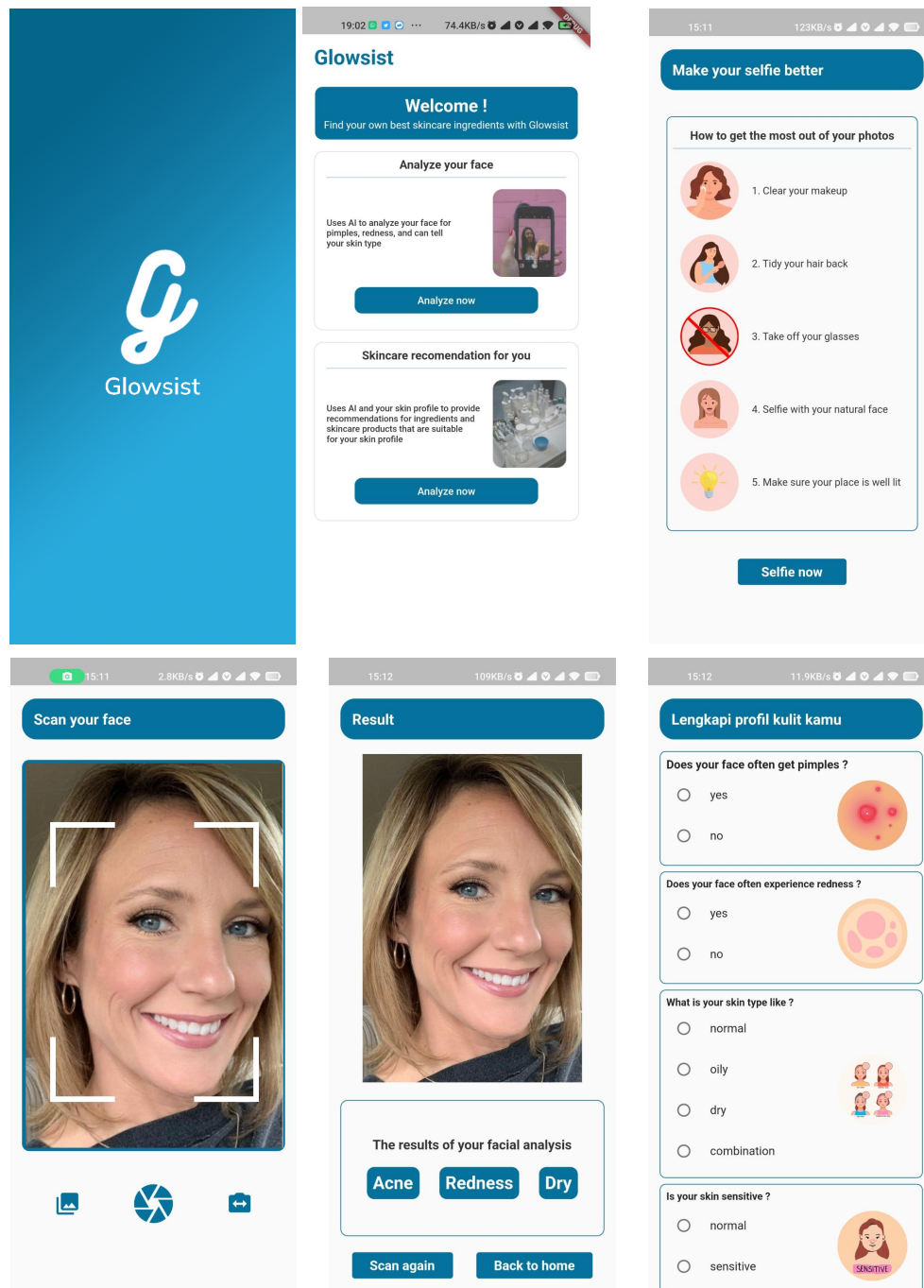
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Dataset Link:
- [Skincare Products and their Ingredients | Kaggle](#)
- [Human Face | Kaggle](#)
- [Acne dataset | Kaggle](#)
- [Pimples Detection | Roboflow](#)
- [Dermnet | Kaggle](#)

Deployed Link:
- [APK Glowsist](#)

Github Repo Link:
[antoniuswilson30/Bangkit-Capstone-C23-PS468 (github.com)](#)

10-Min Video Presentation Link:
https://youtu.be/w9Ck9CQF7-Q

Slide Presentation Link(s):
📄 Capstone Glowsist.pdf

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Mentoring Remark(s), if any:

- Explore more libraries for photo capturing in mobile development
- Because the project only 16 days left, filter out the important TODO (2 core features)
- Advisor giving MD team important material to reach the 2 core features
- Team need to reprioritize the feature based on "The Eisenhower Matrix" and "Action Priority Matrix"
- For the business side, try adding a product recommendation feature.
- For machine learning models it's okay if the accuracy graph is not as expected as long as the model is able to generate predictions.
- Start with 'why'. Create a problem statement of why you need to create this project and provide quantitative data to support your background.