



NutriGenius

Thriving Futures

Solution to The Stunting Problem in Indonesia

Human Healthcare and Living Wellbeings
Product-Based Project



Stunting is a nutritional problem that needs special treatment, especially in poor and developing countries. Literally, stunting is a condition of failure to grow in children under five caused by chronic nutritional deficiencies and the inability to meet the child's nutritional standards.

Based on research data from the Ministry of Health, before the emergence of the COVID-19 pandemic, around 6.3 million toddlers out of Indonesia's total toddler population of 23 million experienced stunting. In fact, the prevalence of stunted toddlers in Indonesia in 2019 reached 27.7%. This puts Indonesia in fourth place globally as the country with the highest cases of stunting.



Why should we put a caution
on this stunting case?



If left unchecked for a long time, Indonesia will indirectly ignore human rights in terms of the welfare of its people.



Stunting will have an impact on the country's economic progress due to inadequate human resources.

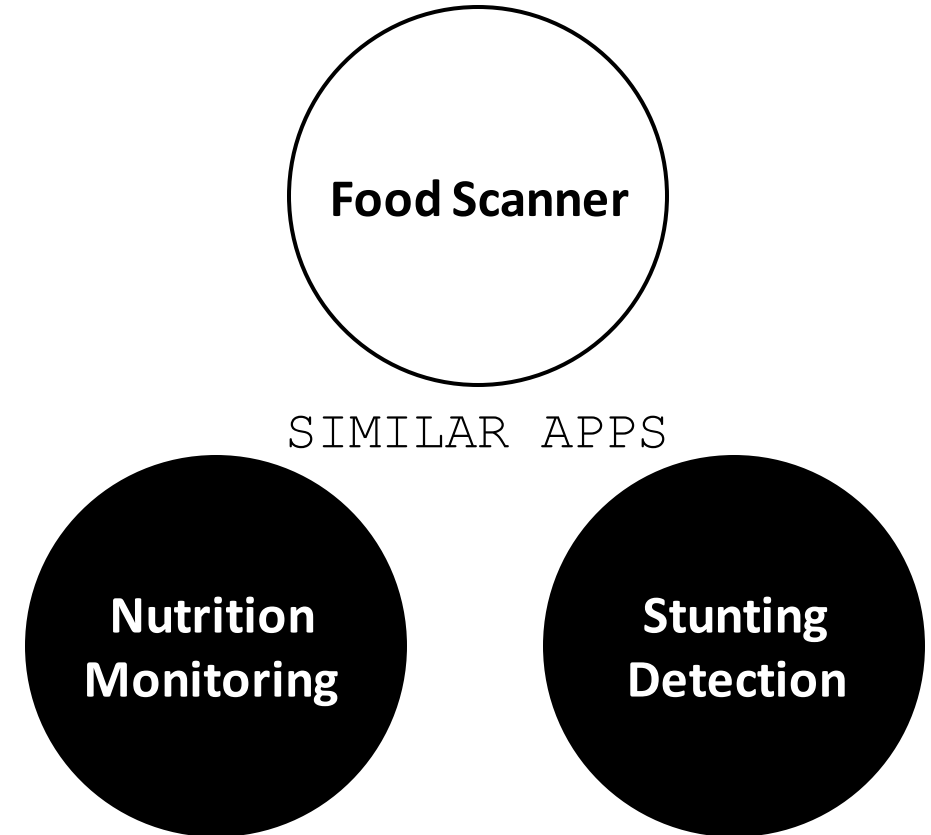


Indonesia has the potential to get a bad reputation in the international world, which is correlated with stunting cases which are still high.

Of course, all parties involved want to create new breakthroughs to reduce the frequency of stunting in Indonesia. Various efforts have been made to achieve this. In our group, we take the initiative to differentiate through certain features:

- Food scanning feature that shows the nutritional levels contained
- Article features as a form of education for parents
- Consultation feature with nutrition experts to obtain constructive recommendations

Our group feels that these three points are still rarely found in other product prototypes. The hope is that the features described above will maximize the real reduction in stunting in Indonesia.





Is an innovative project that aims to overcome the problem of stunting in Indonesian children through a combination of technology and nutrition education.





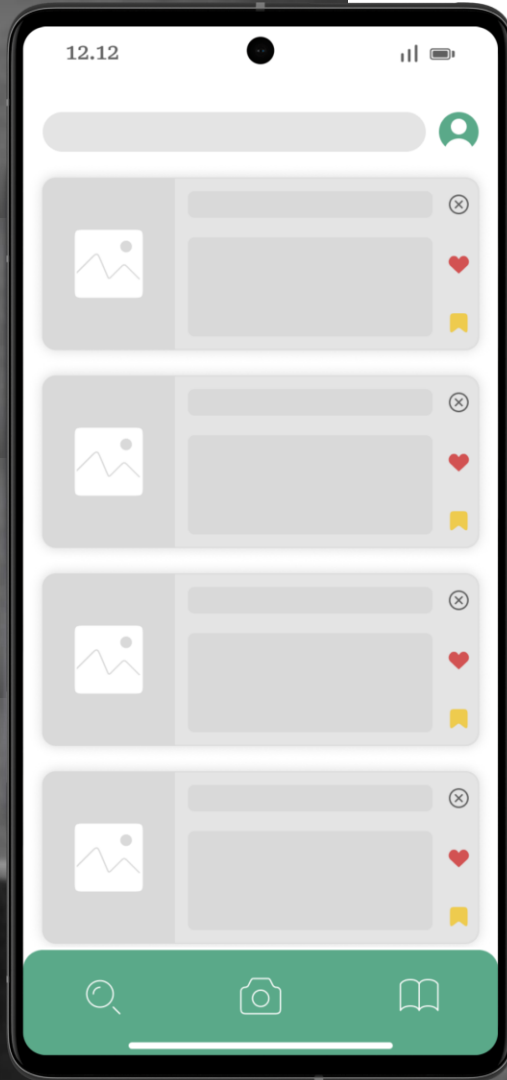
Nutrition

Monitoring
Provides recommendations for balanced menus and nutritious food recipes according to the nutritional status data entered. Users can also obtain information regarding the urgency of certain nutritional intake for children's optimal growth.

Recommendations

Feature
Provides recommendations for balanced menus and nutritious food recipes according to the nutritional status data entered. Users can also obtain information regarding the urgency of certain nutritional intake for children's optimal growth.





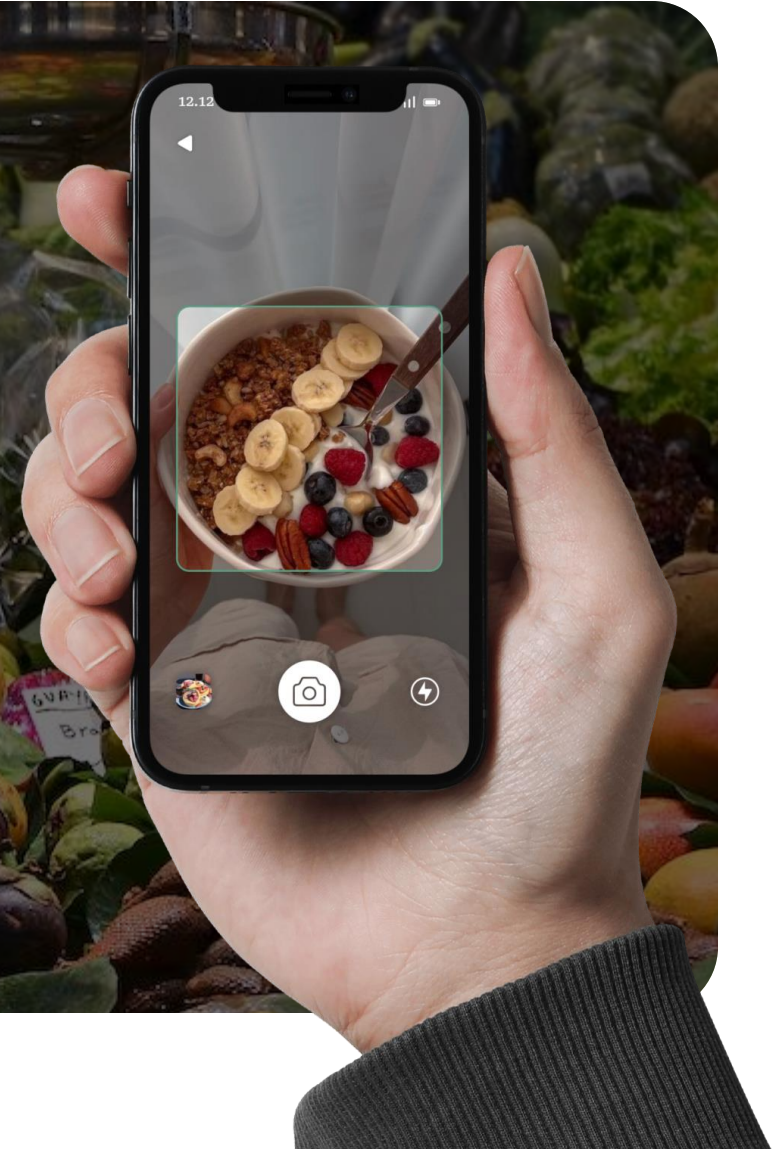
Nutrition

Education

Provides health articles and educational information about nutrition to help inspire parents to understand their children's nutritional needs.

Scanning Food

Provides food photo-taking services using cell phone cameras; The application will automatically identify types of food and provide an overview of their nutritional composition, making it easier for users to make wise decisions regarding their child's growth and development.



Implement



This project not only includes the development of machine learning models, but also focuses on data understanding and exploration of various algorithms. The integration of TensorFlow allows exploration into deep learning approaches that can improve model performance beyond traditional models.





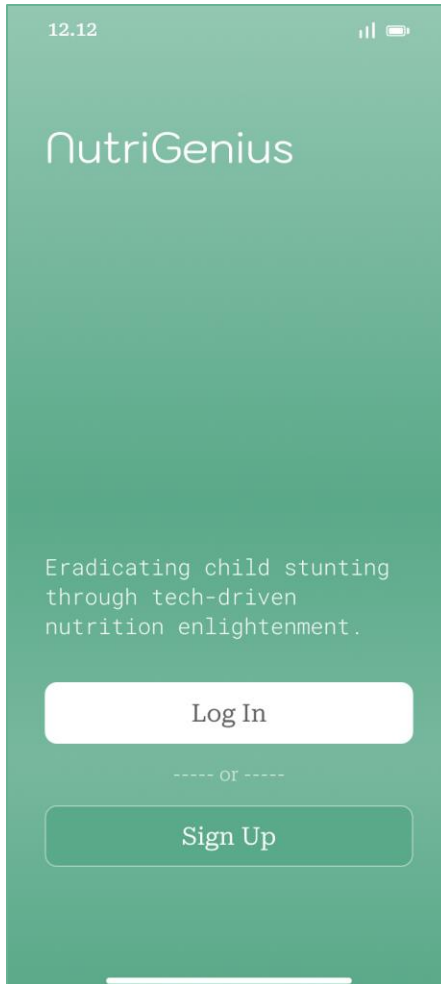
A mobile application developed with a focus on using the latest tools in mobile development. The app aims to provide an intuitive and engaging user experience in recording and organizing daily life.



This project demonstrates the robust integration between Node.js, Firebase, and Google Cloud Platform to provide a stable, scalable, and user-friendly cloud solution for team task management.



Login / Signup



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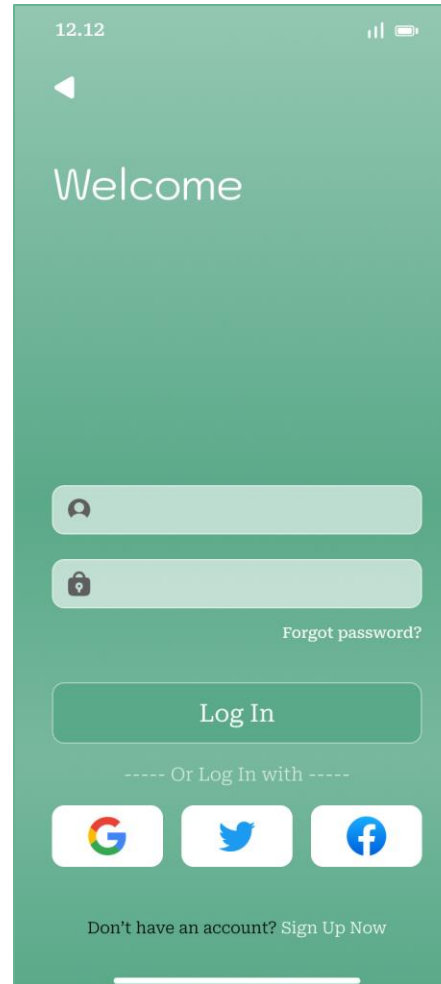
NutriGenius

Eradicating child stunting
through tech-driven
nutrition enlightenment.

Log In

----- or -----

Sign Up






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Welcome

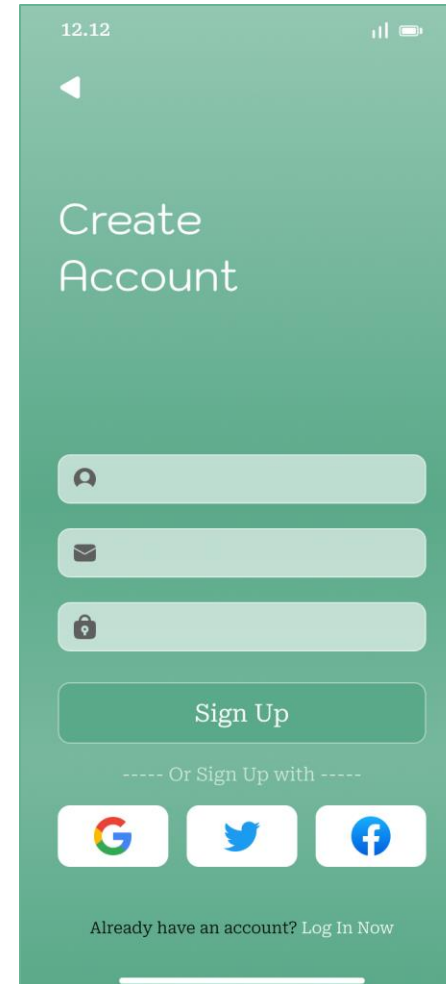
Forgot password?

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Create Account

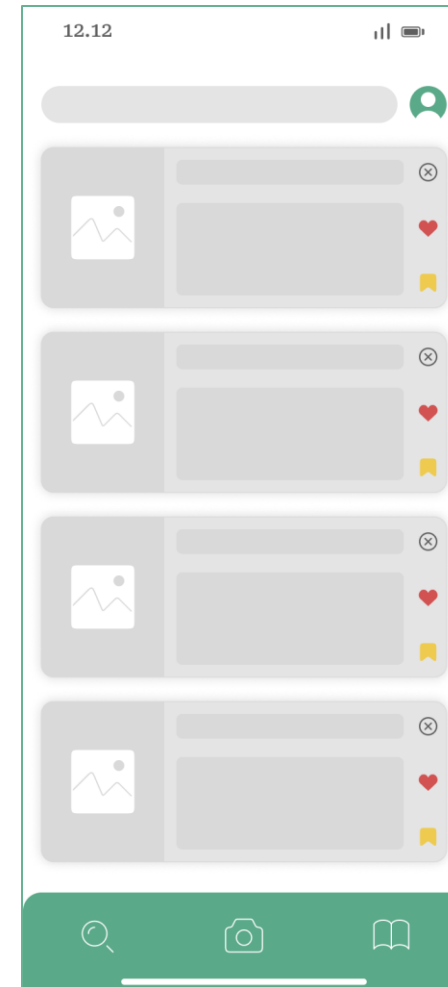
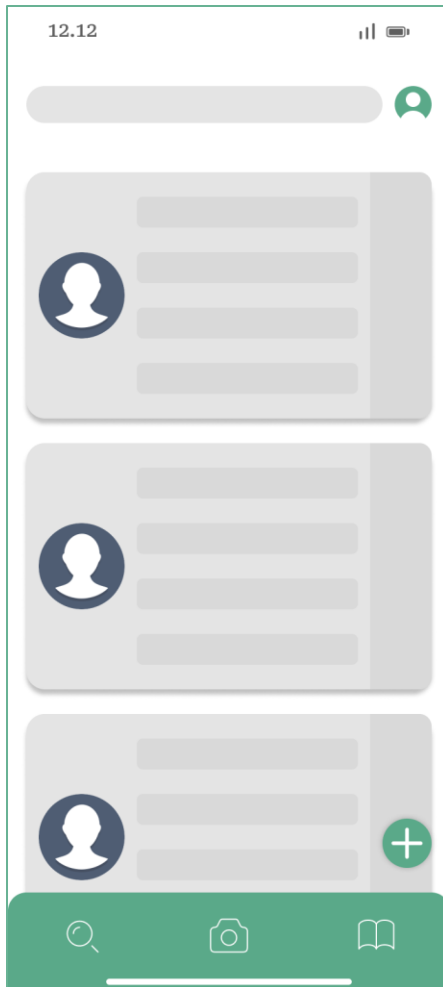
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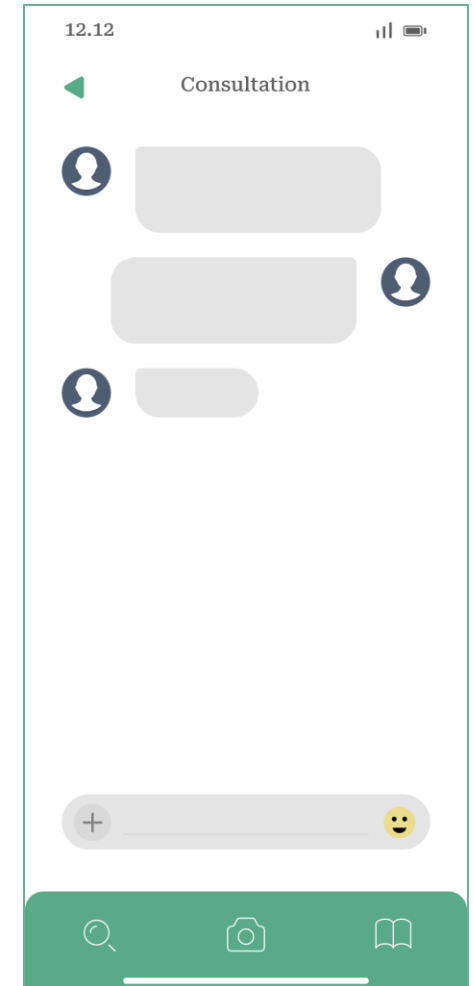
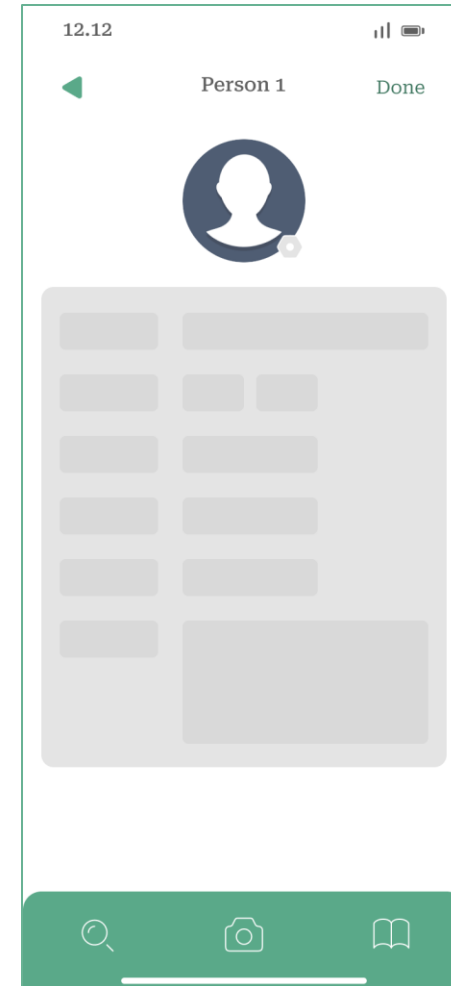
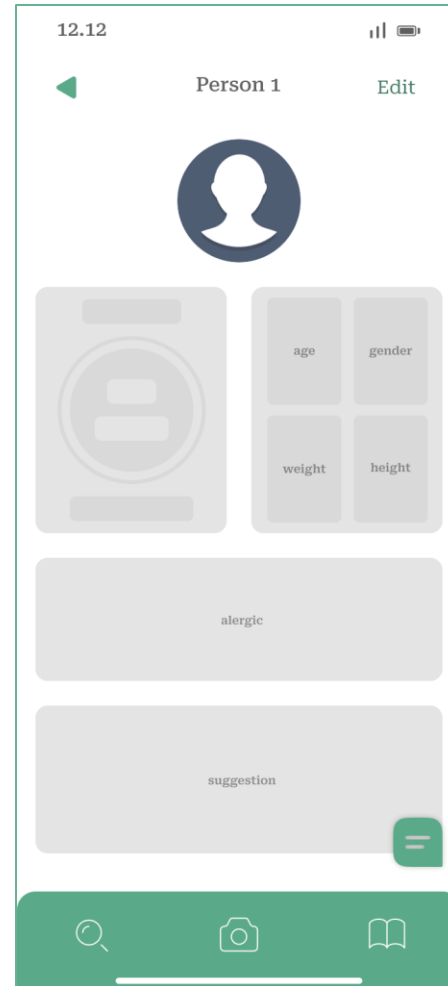
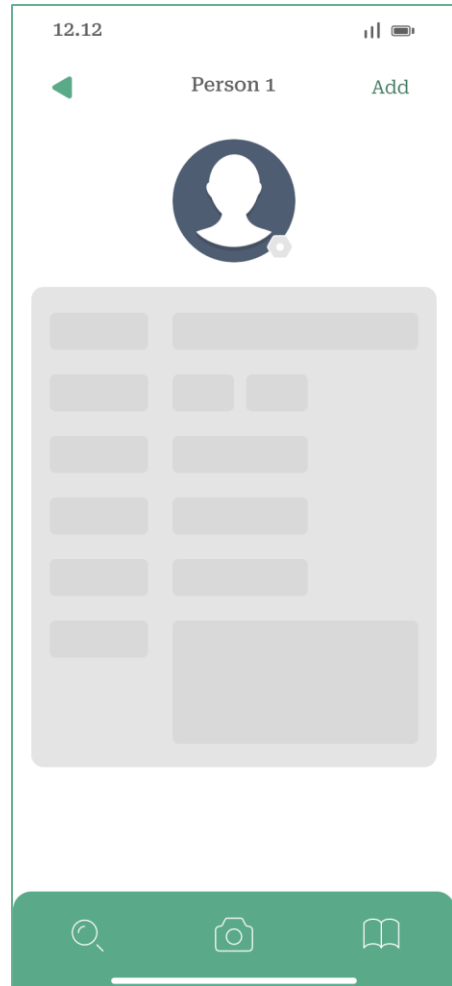
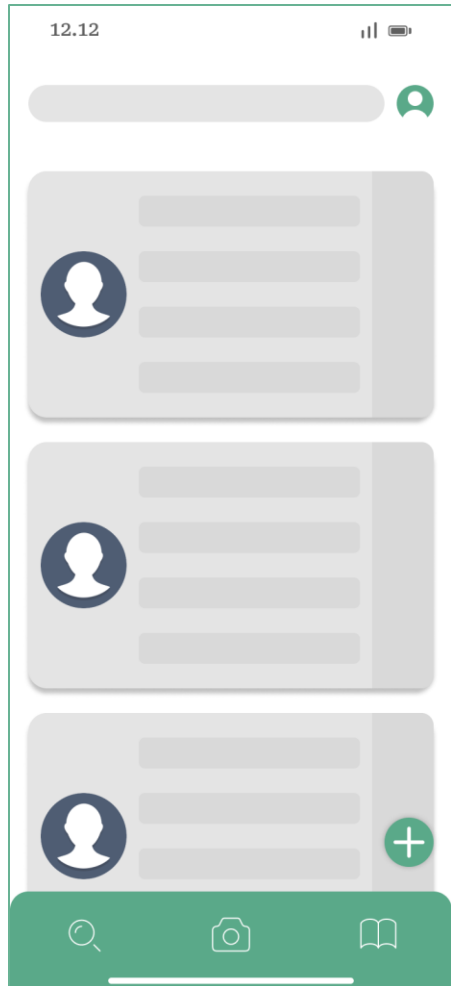
  

Already have an account? Log In Now

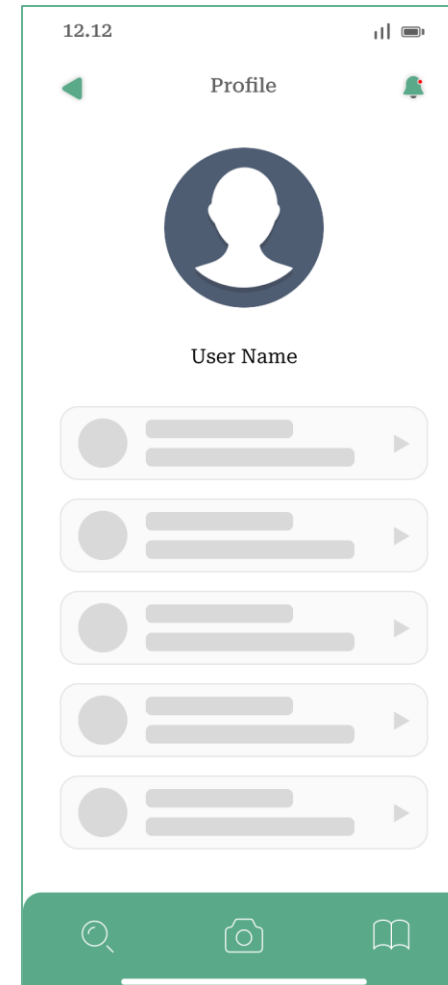
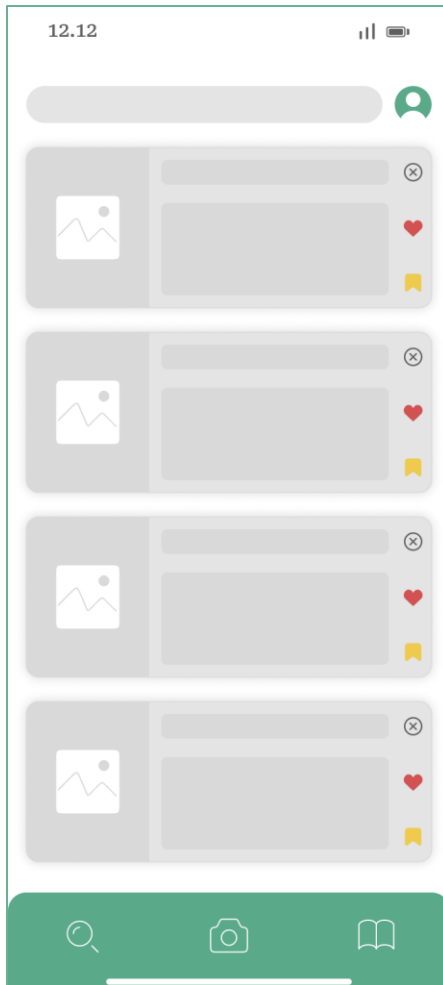
Monitoring/ Scanning/ Article



MonitoringList / MonitoringAdd / MonitoringDetail / MonitoringEdit / Consultation



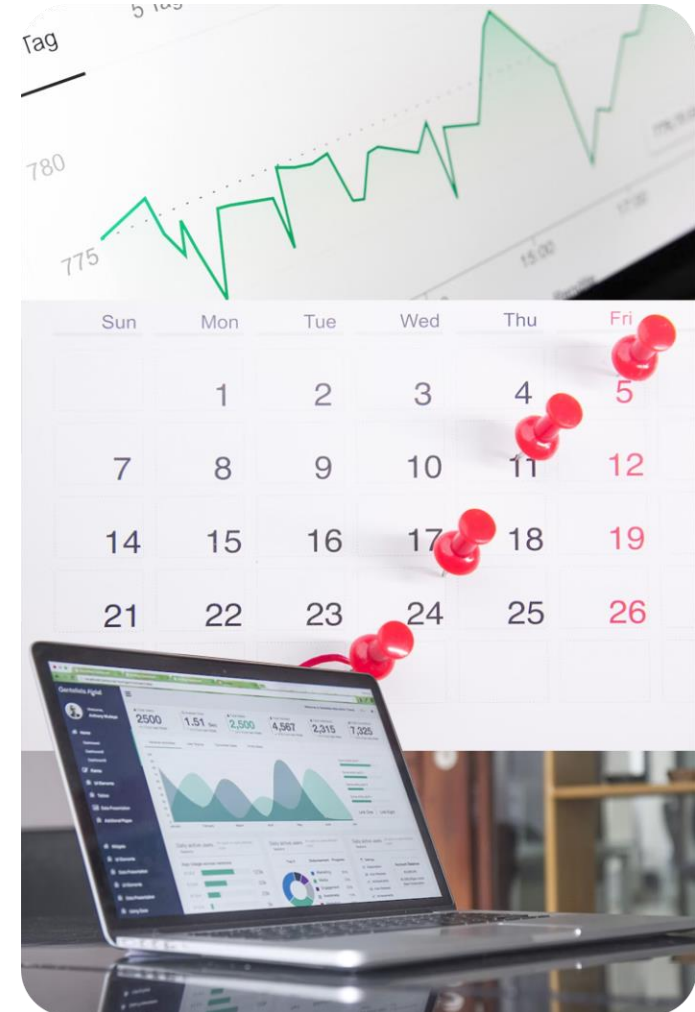
Article / Article Detail / Profile



Deployment and Business Pitch

In strategizing the local deployment of NutriGenius, we're meticulously engaging key stakeholders, aligning with local health authorities and community organizations. Our focus includes optimizing the app for local infrastructure, ensuring a smooth integration process. With a user-friendly onboarding system in place and community-centric engagement initiatives, we aim to create widespread awareness and accessibility.

Simultaneously, our business pitch emphasizes NutriGenius's value, highlighting user-friendly features, real-time monitoring, and positive impacts on childhood nutrition. The go-to-market proposal entails a targeted marketing approach, competitive pricing, and strategic partnerships with local institutions for extended outreach. This comprehensive strategy is designed to seamlessly introduce NutriGenius to the local community, aligning with their needs and promoting sustainable health initiatives.



Target Market



Parents / Caregivers



Health Instructor / Personal Trainer



Medical Workers

Project Milestone



Getting investors

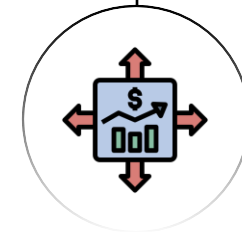


Expand the market and
adding more features

Successfully implement
the product and getting
first customer



Get a collaborations
with government





Thank You!

