NUTRISCAN



Our Team

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Facts

54% of people

find it hard to be consistent in maintaining a healthy diet

Indonesia is the country with the **fifth** largest number of diabetic **in the world**

Around **19.5 millions** suffer from diabetic

many diseases arise from unhealthy food nutrition and bad eating habits





WHY?

Better food for better life

Bad eating habits are responsible for more deaths compared to other risk factors in the world

Making Better Food Choices

Can search and compare various foods, will helping make better food choices for specific needs

Implementation of the government campaign "Isi Piringku"

This campaign encourages
Indonesians to adopt a balanced
nutritional eating pattern, so
with this application we can
determine whether the food we
consume contains a
well-balanced nutritional profile
or not



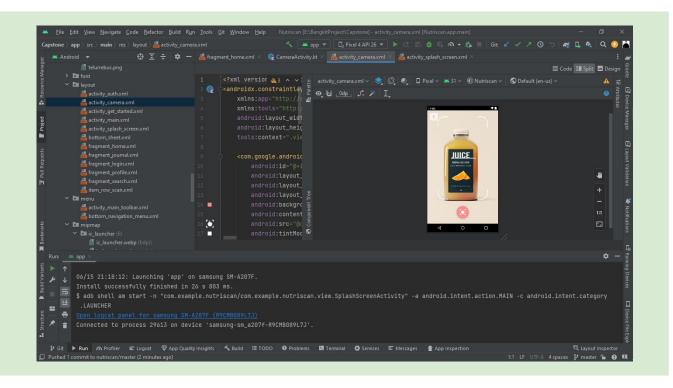
NutriScan,

by simply scanning the food you are going to consume

instantly know its nutritional content, make informed decisions and you will get better food for better life with just one click











Target Market or Personas



People with certain medical conditions



Fitness enthusiasts



Individuals interested in weight management



Nutritionists, dietitians, and other healthcare professionals



Why the target market needs this solution?

can motivate individuals to make healthier choices and stay committed to their nutritional plans

ensure they are meeting their dietary requirements

assists individuals in tracking their calorie intake and expenditure, allowing them to set and achieve weight-related goals more effectively.



Aspect	NutriScan NutriScan	fatsecret	Nutrilio	Lose It!
Detection Food (not only barcode)	~			
Monthly Tracker	~	✓	~	~
Nutritions List	~	V		V
Health Article	*Future feature			~
Meal Planning	*Future feature	V		



MACHINE LEARNING

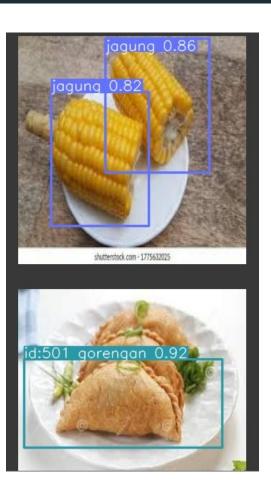
Object Detection

Collecting Dataset

- Image From Internet
- Kaggle

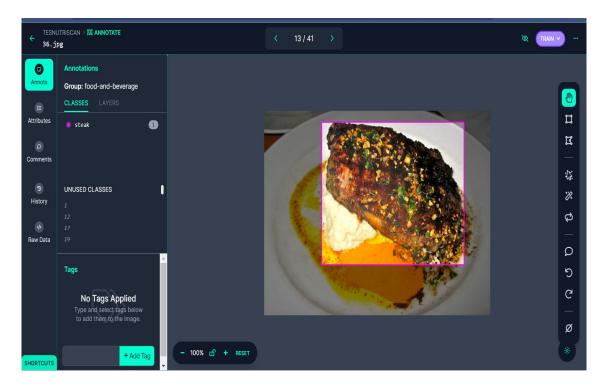
Dataset have 65 class

Training Dataset: YOLOV8s





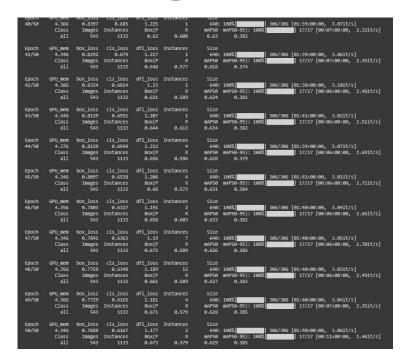
Object Labelling

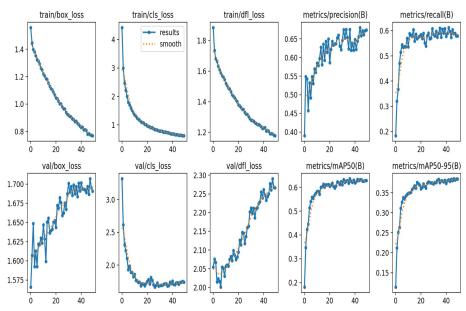


Using Roboflow for Computer vision annotations



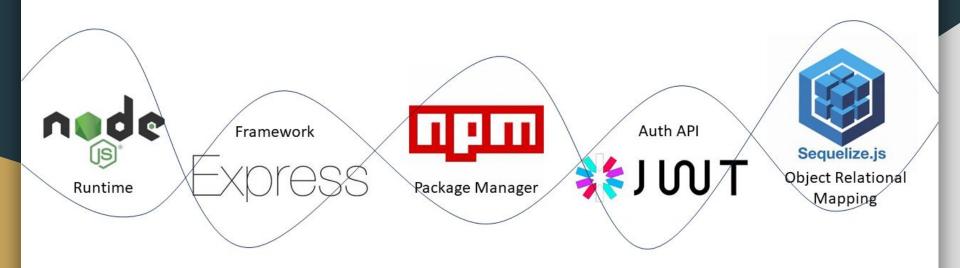
Training





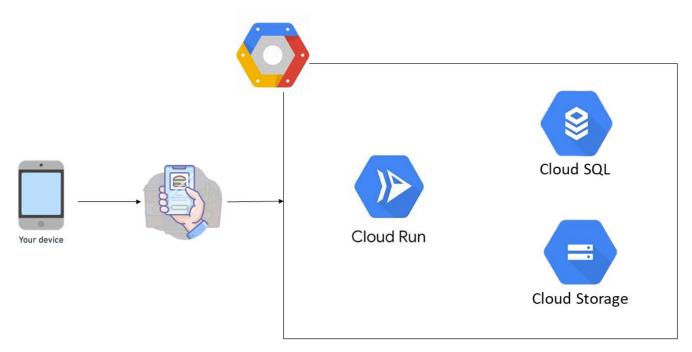


CLOUD COMPUTING IMPLEMENTATION



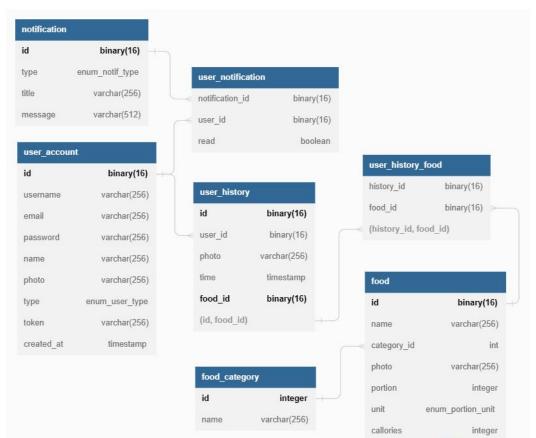


CLOUD COMPUTING ARCHITECTURE





CLOUD COMPUTING DATABASE





CLOUD COMPUTING API



MOBILE DEVELOPMENT UI / UX Design (1)







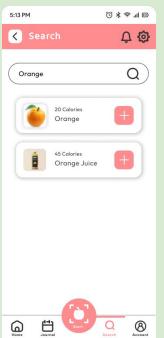


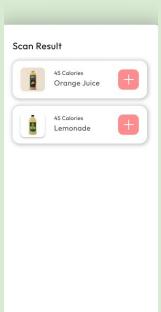


MOBILE DEVELOPMENT UI / UX Design (2)



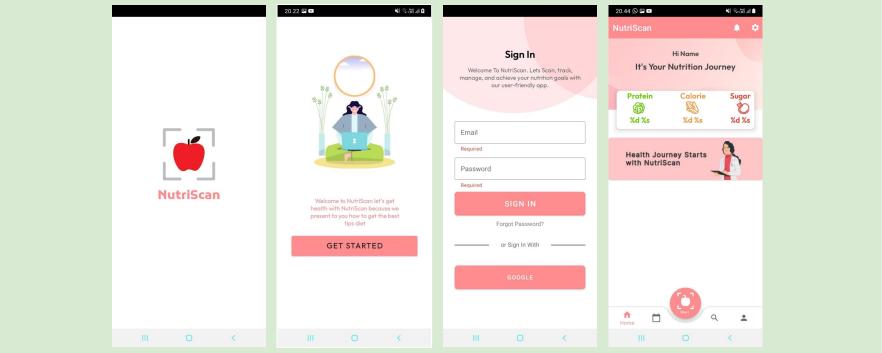






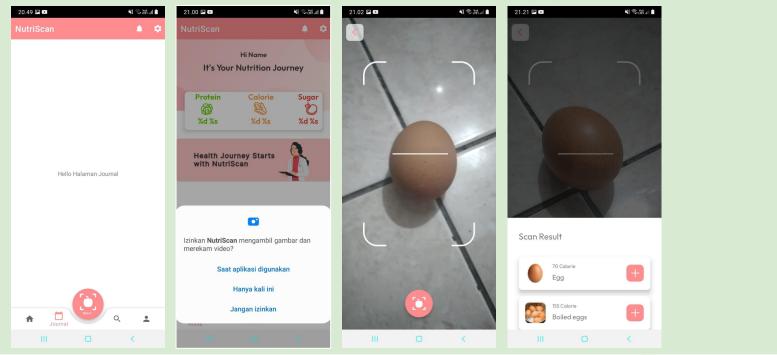


MOBILE DEVELOPMENT Implementation of UI / UX Design (1)





MOBILE DEVELOPMENT Implementation of UI / UX Design (2)





MOBILE DEVELOPMENT API/ENDPOINT

```
🚨 Yanuar Eka Putera
class ApiConfig {
    ≗ Yanuar Eka Putera
        . Yanuar Eka Putera
        fun getApiService(): ApiService {
            val loggingInterceptor =
                 HttpLoggingInterceptor().setLevel(HttpLoggingInterceptor.Level.BODY)
            val client = OkHttpClient.Builder()
                 .addInterceptor(loggingInterceptor)
                 .build()
            val retrofit = Retrofit.Builder() Retrofit.Builder
                 .baseUrl("https://sandbox-388314413993.as.r.appspot.com/") Retrofit.Builder
                 .addConverterFactory(GsonConverterFactory.create())
                 .client(client)
                 .build()
            return retrofit.create(ApiService::class.java)
```



MOBILE DEVELOPMENT API/ENDPOINT

```
🚨 Yanuar Eka Putera
@FormUrlEncoded
@POST("login")
    @Field("email") email: String,
    @Field("password") password: String
): Call<LoginResponse>
🚨 Yanuar Eka Putera
@POST("register")
fun register(
    @Field("name") name: String,
    @Field("email") email: String,
    @Field("password") password: String
): Call<RegisterResponse>
🚨 Yanuar Eka Putera
@GET("food")
fun getfoodList(): Call<FoodListResponse>
```

```
. Yanuar Eka Putera
@GET("food/find")
    @Query("q")query: String
):Call<FindFoodResponse>
4 Yanuar Eka Putera
@Multipart
@POST("addfood")
    @Part file: MultipartBody.Part,
    @Part("description") description: RequestBody,
): Call<AddFoodResponse>
♣ Yanuar Eka Putera
@GET("logout")
fun logout(): Call<LogoutResponse>
```



DEMO



Nangk!t



What's Next?

Plan to expand and develop our project – for the next 6 month



- Add more dataset to database
- Introducing app to market
- CreateMarketingStrategy

August 2023

- Conduct research about application improvement
- Finishing unrelease feature

October 2023

- Release beta versionAdd more
- datasetExecuting
- Executing Marketing strategy
- User Testing and Feedback

December 2023

- Release fully featured application
- Reach more customer and business partner
- Feedback and application maintenance

Category	Proportion	Budget (max) in USD
Team Salary	30%	\$1500 ~Rp 22.000.000,00
Research / Operational		
Google Cloud Platform	24%	\$1200 ~Rp18.000.00,00
Google Colab Pro	1,2%	\$60 ~ Rp900.000,00
Internet	1,4%	\$70 ~Rp1.000.000,00
Play Store Publish	1%	\$50 ~Rp750.000,00
Capacity Building	8%	\$400 ~Rp6.000.000,00
Marketing Budget	4,4%	\$220 ~Rp3.300.000,00
Transportation	2%	\$100 ~Rp1.500.000,00
Copyright	10%	\$500 ~Rp7.500.000,00
Emergency	6%	\$300 ~Rp4.500.000,00
Utilizing Third-Party API	12%	\$600 ~Rp9.000.000,00

Budgeting - 1 USD 5k / IDR 70m



Budgeting - 2 - USD 10k / IDR 140m

Category	Proportions	Budget (max) in USD
All aspects covered in Budgeting - 1	50%	\$5.000 / Rp 70.000.000
Additional Budget for Team Salary	15%	\$1.500 / Rp 21.000.000
Additional Budget for Research/Ops	20%	\$2.000/ Rp 28.000.000
Marketing and Sales	20%	\$2.000 / Rp 28.000.000
Market research and competitive analysis	10%	\$1.000 / Rp 14.000.000
Future Development / R&D	20%	\$2.000 / Rp 28.000.000
Other Expenses (taxes, reserves)	10%	\$1.000 / Rp 14.000.000



Sustainability

Sources of Income

• Consumer Subscription (Ater full Release):

IDR 20.000/user/month

Crowdsourcing (Before full release):

IDR 15.000/month

• Bangkit Grant:

\$5000 one time

*Far Future Income

Affiliate Program with health foods product corporation

Efficiency Priority

- 1. Bangkit Grant
- 2. Crowdsourcing
- 3. Customer Subscription



Based on the 5k/10k USD Budgeting, expectations are

5K Funding

Expected Runway: 5,6 months

Expected Headcount: 6 people

Assets: - User Data

- Brand right

Food Database

10K Funding

Expected Runway: 1 years

Expected Headcount: 8 people

Market Positioning: Increasing User Base and Keeping up with Industry Trends, User-Friendly Interface

Assets: - Partners

- Brand Awareness
- User Feedback and Reviews
- Extensive User and Food Database



THANK YOU