

*Gebeta*

# Gebeta Nutrition Recommender



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# About Our App

The purpose of our app is to empower individuals with personalized and informed choice regarding their dietary choices. This app serves as a user-centric guide, offering tailored recommendations for daily calorie intake, macronutrient distribution, and micronutrient needs based on individual characteristics such as age, gender, weight, height, activity level, and health conditions.

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# Problem Statement

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## 33%

of the world population suffers from hidden hunger. Hidden hunger is the presence of multiple micronutrient deficiencies such as iron, iodine and vitamin A; which can occur without a deficit in energy intake as a result of consuming an energy-dense, but nutrient-poor diet.



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# Objective of our App

The purpose of our app is to empower individuals with personalized and informed choice regarding their dietary choices. This app serves as a user-centric guide, offering tailored recommendations for daily calorie intake, macronutrient distribution, and micronutrient needs based on individual characteristics such as age, gender, weight, height, activity level, and health conditions.





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# Features of our App

- Nutrient tracking
- Recipe suggestions
- Personalized recommendations
- User-friendly interface



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# How it Works

## Content Based Recommendation

- TF-IDF (Term Frequency-Inverse Document Frequency)
- Word Embeddings (Word2Vec)
- Cosine Similarity

## Collaborative Filtering

- Model-Based Collaborative Filtering



# Data Sources

## USDA NATIONAL NUTRIENT DATABASE

This dataset furnishes comprehensive nutrient details for a diverse array of foods. It provides detailed nutrient information for a wide range of foods.

## NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES)

Our user profiles were constructed using the survey compiled by NHANES. The survey dataset encompasses users' physical health measurement attributes and tracks their dietary habits.

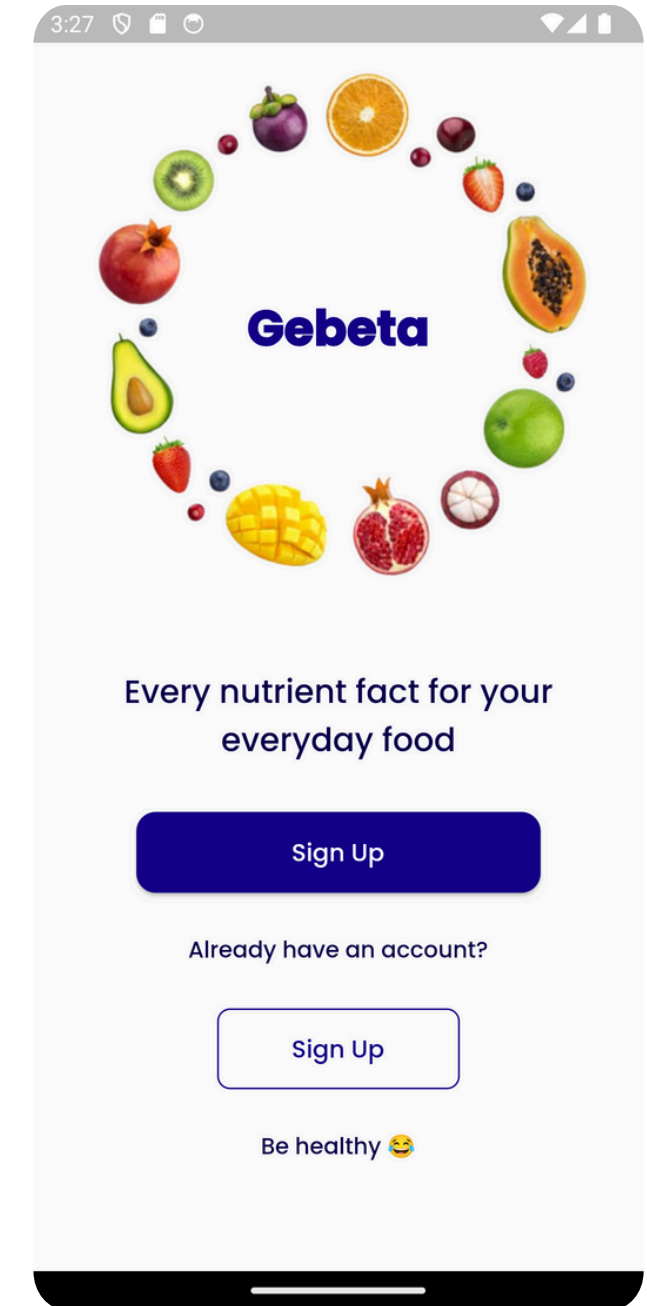
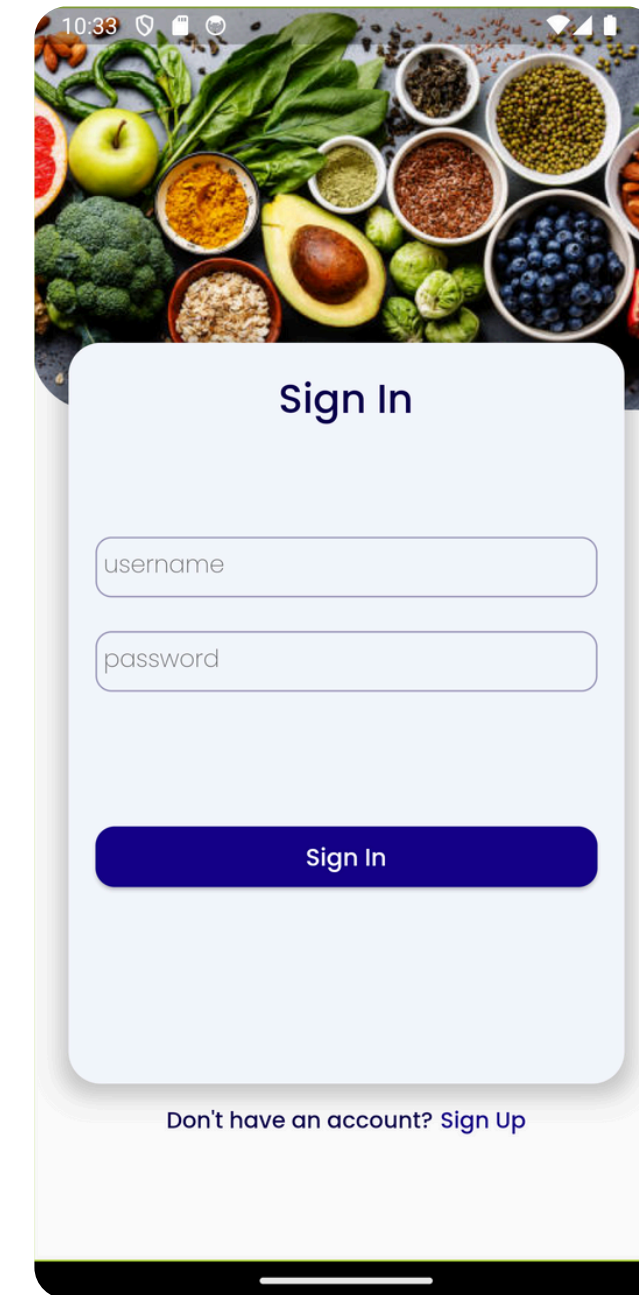
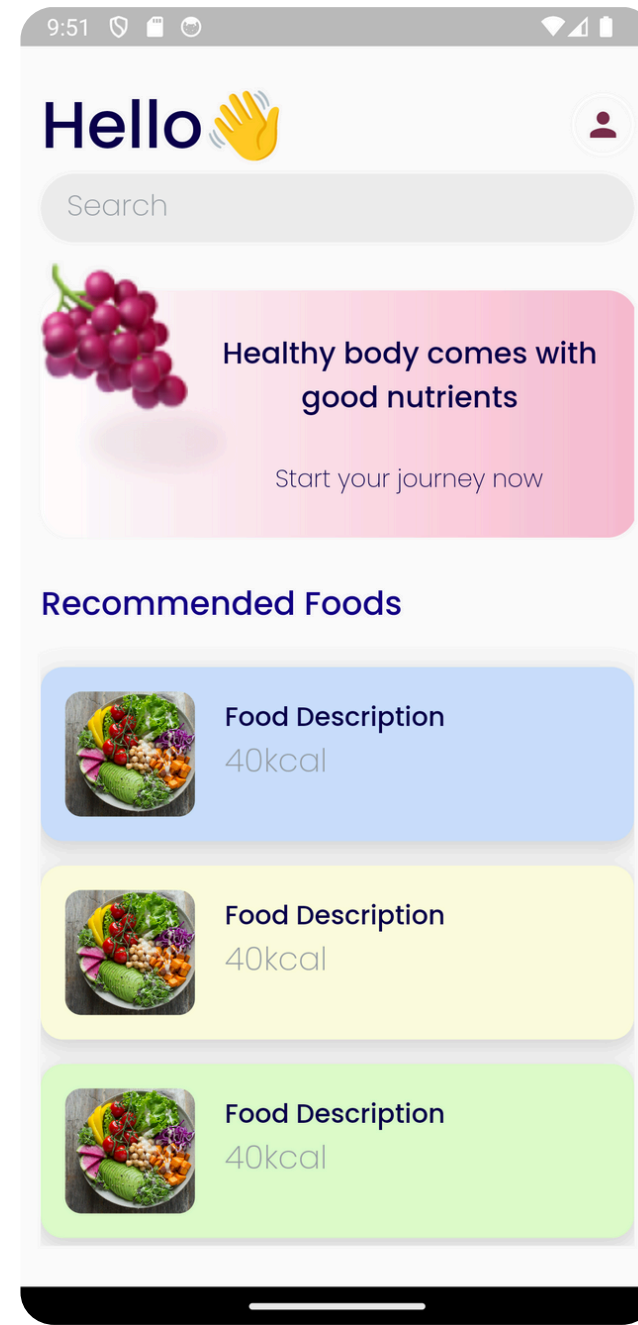
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# User Experience

- Intuitive Design
- Clear and Concise Info
- Responsive Design
- Interactive Features
- User-friendly interface



# Future Enhancements

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- Social Integration
- Gamification Elements
- Integration with Wearables
- Localized Nutrition Information
- Continuous Education Resources

# OUR Team

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# Thank You

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