PREPPAL

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COMMON ISSUES FOR HOME COOKS

01. Always Cooking the Same Recipes

02. Finding New Recipes
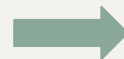
03. Unused Leftover Ingredients

OUR SOLUTION

COOKING QUERY

FAVORITE RECIPES

PANTRY

→

LLM-POWERED RECIPE RANKING SYSTEM

→

NEW RECIPES

+

REDUCED FOOD WASTE

PrepPal

Recipes

Based on your preferences, we recommend the following recipes:

Cooking Time   0-2 hr

Total cooking time, including prep.

Serving Size   0-10 servings

Ingredients

Enter here ⊗

Ingredients entered here will be included in recommended recipes.

Cuisine

Enter here ⊗

Generate Recipes!

Southwest Taco Bowl

Total Time: 30 minutes

Ingredients
• ...

Grilled Chicken Tacos

Total Time: 45 minutes

Ingredients
• ...

Cajun Shrimp Burrito

Total Time: 20 minutes

Ingredients
• ...

Pulled Pork Burrito Bowl
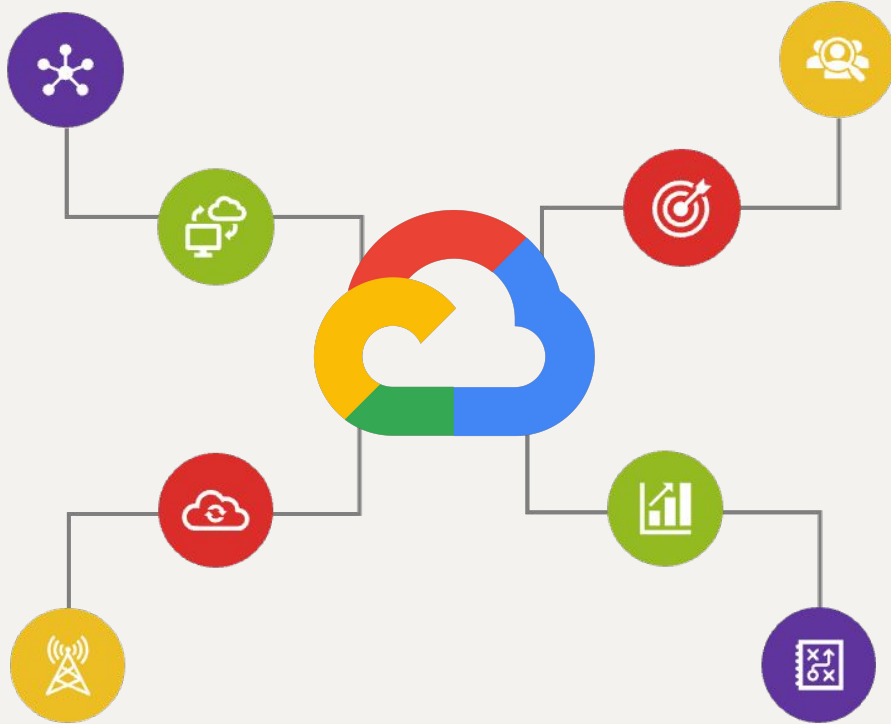
Total Time: 1 hour

Ingredients
• ...

Feel free to provide any additional information if you'd like to edit the recipe recommendations!

Enter text here...

SCALABLE INFRASTRUCTURE

01 **Virtual Machines and Docker**
- Rapid deployment and easy management of services

02 **Vertex AI**
- Fine-tuned model for real-time recommendations

03 **GCP Bucket**
- Centralized and versioned data storage

04 **Databases**
- ChromaDB & PostgreSQL for fast, efficient data retrieval and filtering

NEXT STEPS

01

PERSONALIZATION

Integrate user history pattern to tailor recipe recommendations

02

MULTI-MODALITY

Implement seamless and flexible interaction with text, image, and speech inputs

03

REAL-WORLD DATA

Leverage beta testing results to continuously collect feedback and data to fine-tune models

MARKET POTENTIALS

LOCAL PARTNERSHIP
Partnering with local produce and food delivery services to find the best deals

SMALL RESTAURANTS
Expand to help local restaurants to efficiently plan their inventories

SUSTAINABILITY
With dynamic pantry, track waste reduction progress

THANK YOU!