Dish Forge

Your AI-powered tool for
home cooking assistance.

Team name

Rostisseries Delgado

Meet the team
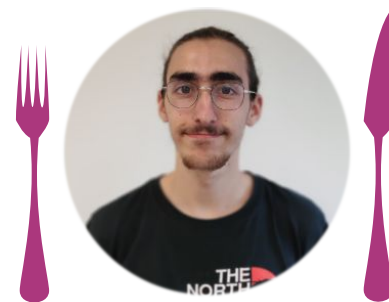
Oriol Hinojo

AI Engineer

Guillem Poy

Software
Engineer

Sergi Romero

Software
Engineer

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Problem Statement: The culinary challenge

Time Constrains

Diverse Dietary Need

Ingredient Availability

Lack of Culinary Creativity
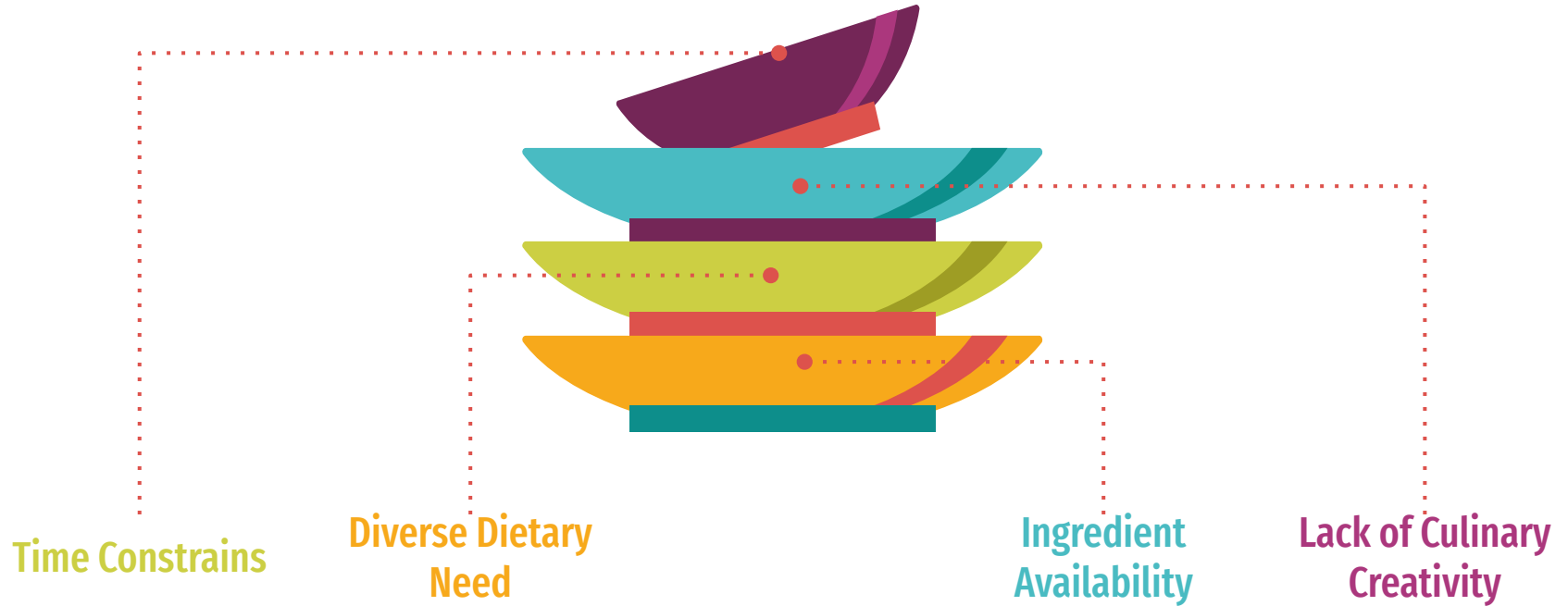
Introducing DishForge
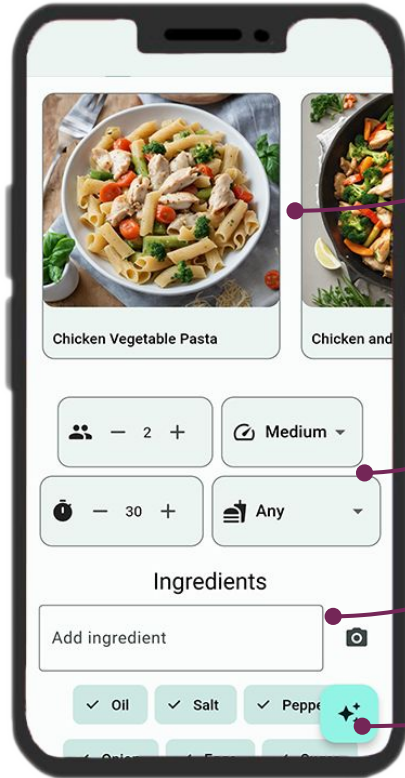
Visual Recipe Presentation
Helps the user with the recipe decision by showing an image of the dish

Comprehensive and Engaging UX
Intuitive and suitable for users of different culinary skill levels

User Input and Preferences
Preferences, dietary restrictions, available ingredients, and cooking appliances

AI-Powered Recipe Generation
Combination of AI technologies as LLAMA2, Stable Diffusion and YOLO5

How DishForge Works

01 Ingredients
Input the available ingredients. Photo or Typing

02 Appliances
Select the available appliances. Typing

03 Diet Preferences
Select your diet preferences.

04 Get your Recipe
Request a recipe to get a yummy dish!

Unique Features

Endless Recipe Generation

1 — Infinite array of culinary possibilities through AI generation.

Personalized Recipes

2 — Fully customizable and tailored to your own individual requirements.

Visual Recipe Representation

3 — AI-generated dish image.

Chicken and Vegetable Stir-Fry

Ingredients:

- Boneless Chicken Breast (2 pieces)
- Mixed Vegetables (1 cup)
- Soy Sauce (3 tablespoons)
- Garlic (3 cloves)
- Ginger (1 piece)
- Oil (2 tablespoons)

Steps:

1 Cut the chicken into thin strips and marinate with soy sauce, garlic and ginger for 15 minutes.

Technologies

Clarifai
Backend

Prediction and Inference of the models

Llama 2
LLM

Recipe generation and formatter

YOLOv5
Image Recognition

Ingredient recognition

Stable Diffusion
Image Generation
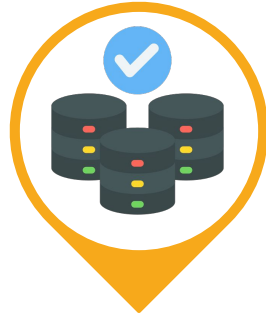
Visual representation of the recipes

Flutter
Front-End

Cross-platform framework for good UI/UX

The Future of DishForge

Add features
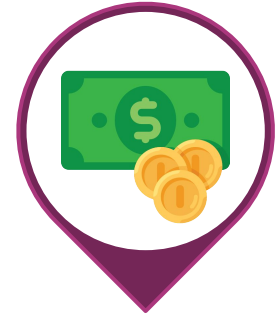
Nutritional information, favourites, …

Persistency

Cloud storage for data persistency

Polish

Speed inference, fluent UI, faster loading times, …

Revenue

Subscription model to unlock premium features

Thanks for your Attention

Happy Cooking!

Team Members

Sergi Romero

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