

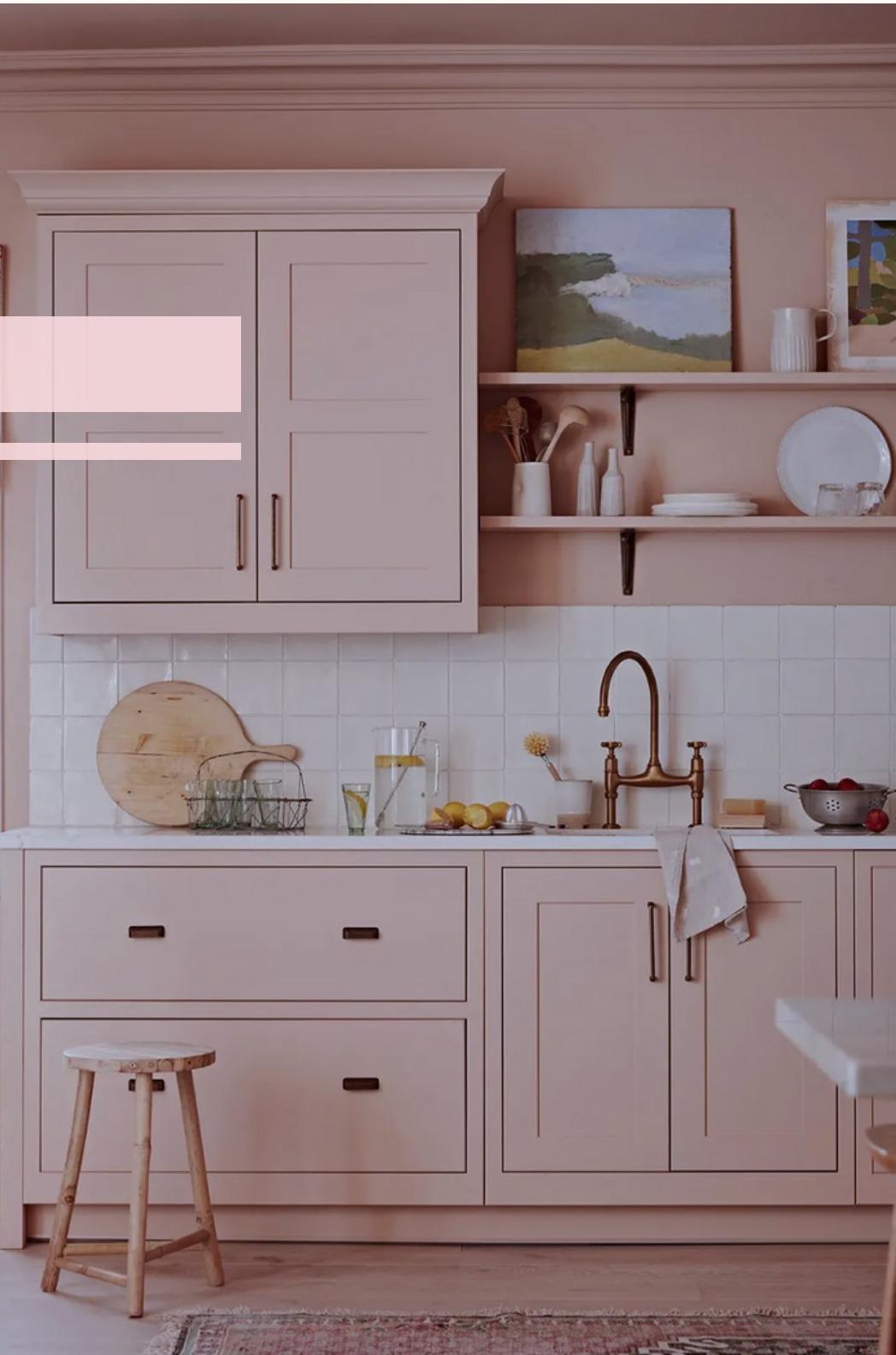
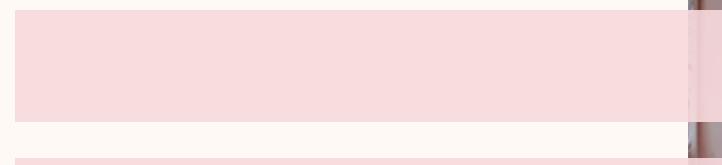
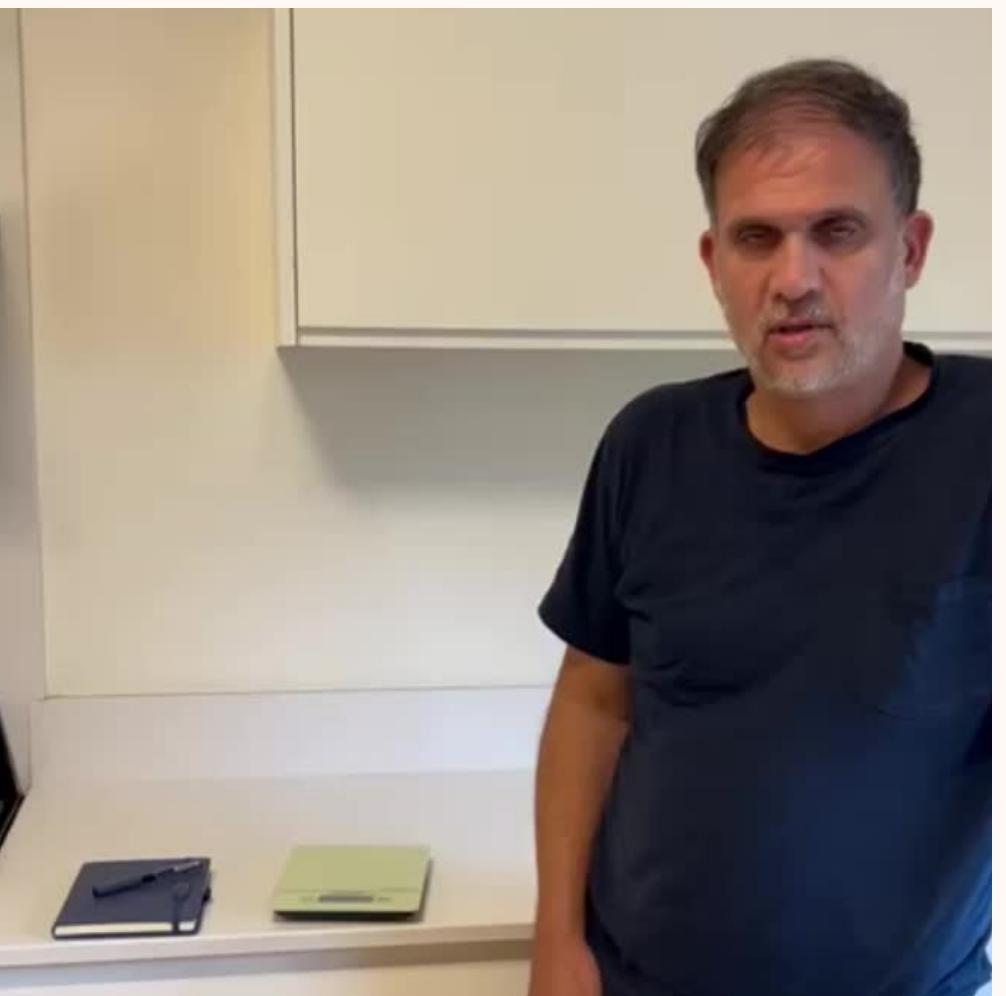
Nutrilog

One less log to worry about



Opportunity

A STORY OF ONE MAN,
A PROBLEM FOR MANY



The App

A SERVICE TO
UPLOAD,
DOCUMENT,
AND ANALYSE
YOUR
EVERYDAY
MEALS.

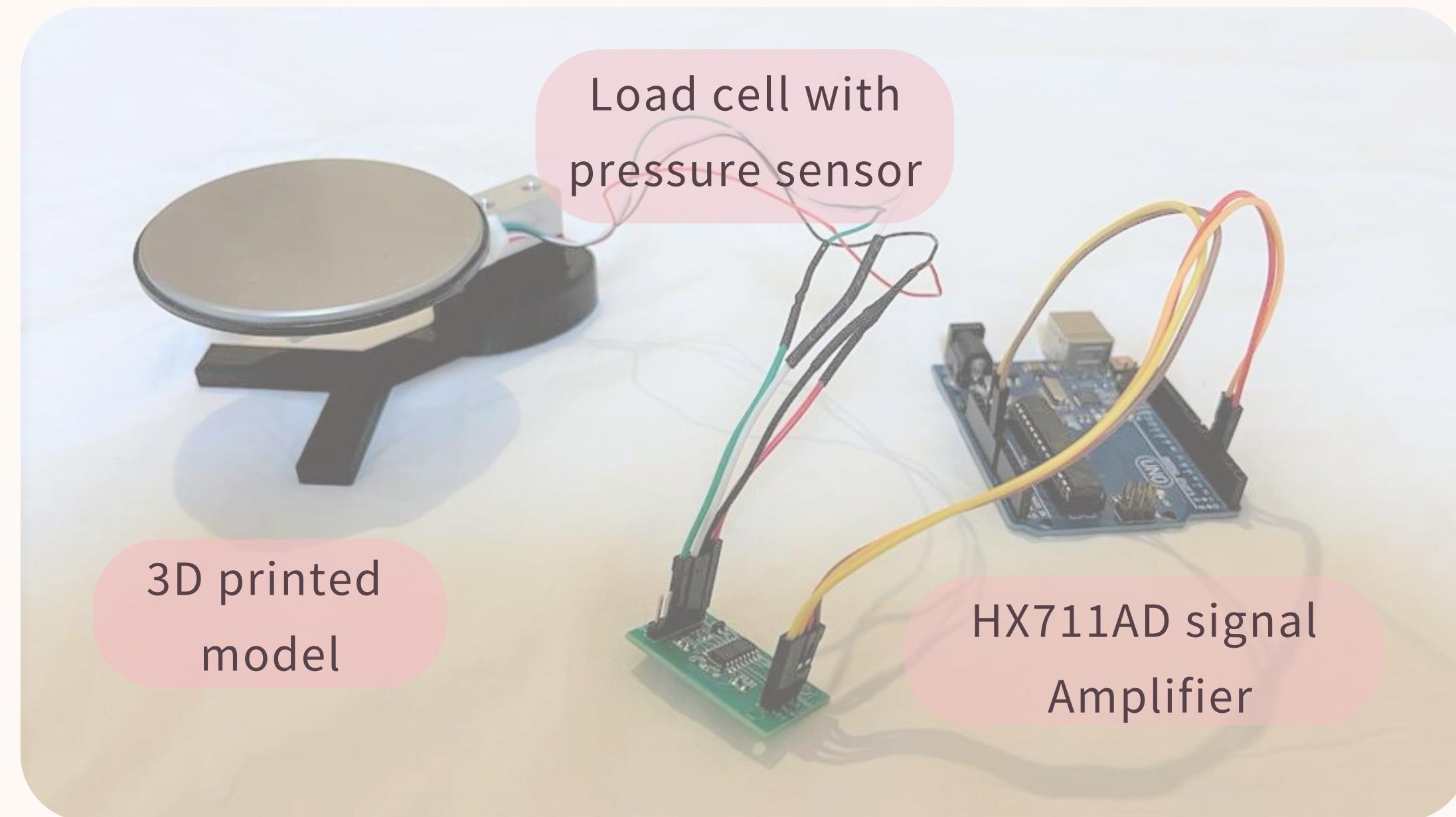
PROCESSING A NEW
MEAL IS NOW AN EASY
QUICK PROCEDURE

REQUIRES ONLY
WEIGHING AND
SELECTING YOUR MEAL
OF CHOICE

Architecture

IOT DEVICE

The kitchen scale



Arduino
Uno

Architecture

FRONTEND

- Written mainly in **React-Native & React-native-elements**.
- Our camera feature implements the **expo-camera** package that activates the iPhone's native camera app.
- The frontend of the apps connects to our server by using **axios**.

Architecture

BACKEND

- Implements a **nodeJS server** responsible to connect to the databases, activate the scale, and call an image-processing tool.
- Takes advantage of **axios** to communicate with the frontend, the scale, and the DB.
- We used **Ninja API** to return food items' nutritional values.

Architecture

DATABASES

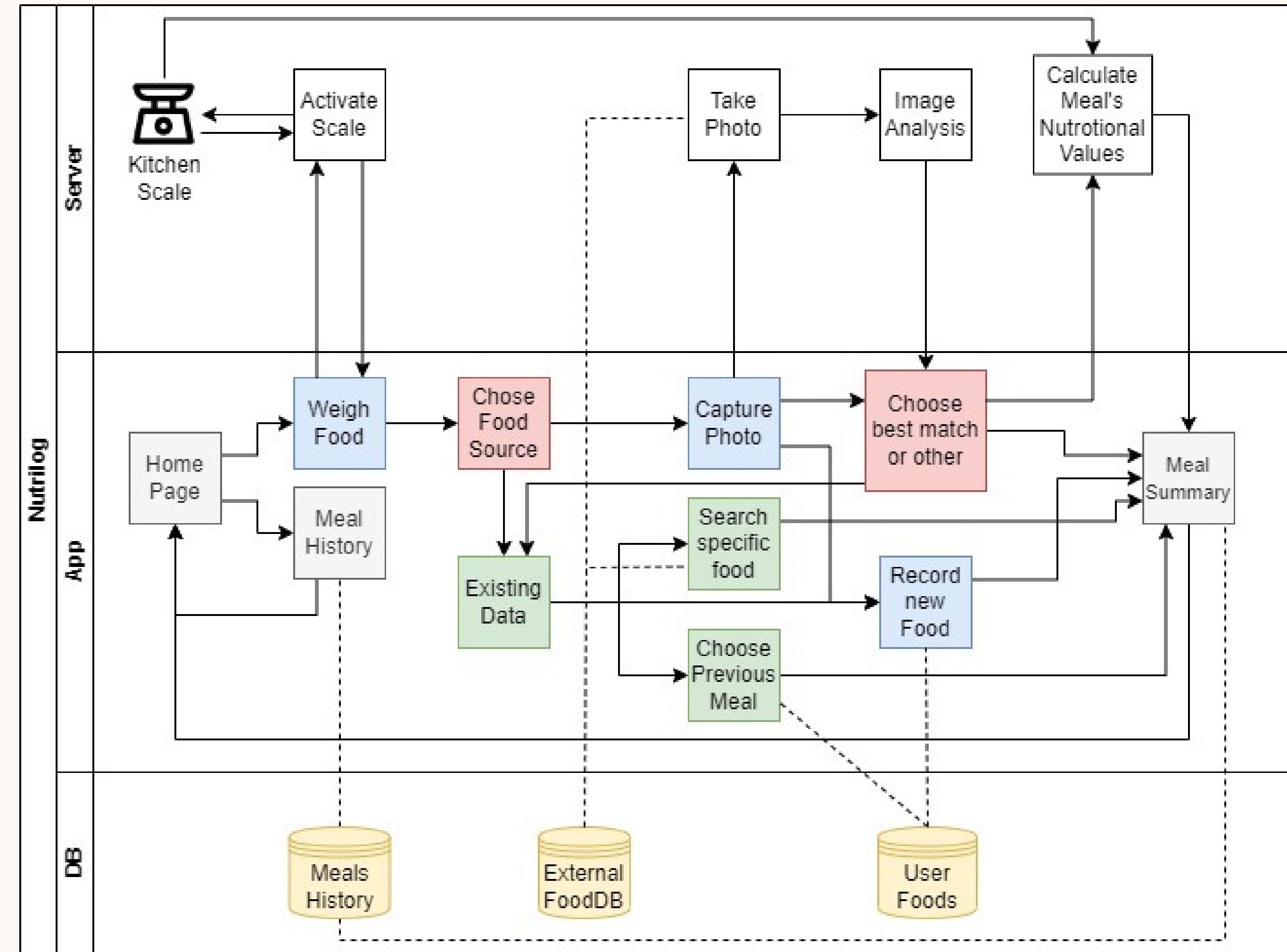
We used **MongoDB** to create a database and host two collections:

- user_food: A collection of the user's reported personal foods and nutritional values.
- users_history: A collection of the user's history of reported meals.

We also used a third-party DBs:

- **LogMeal**: for implementing Image-Processing.
- **Ninja**: for information about nutritional values.

Our Flow:



Live Demo

NutriLog App



Please select one option:

+Add a new meal

Meal History View



Future Developments:

- DIFFERENT USERS
- SUPERVISOR VIEW
- AUTHENTICATION AND AUTHORISATION
- BLUETOOTH ENABLED SCALE

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Any Questions?

