



Menu- Generator

Pipeline Academy
Porfolio Project
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Have you ever wonder ...



Where can I find the ingredients for this recipe and what are the quantities in the metric system?

Can I get set recipes that contains a menu based on my nutritional needs?

Oh! I have these ingredients, What can I cook with it?

The Problem

- Failure at identifying their user's nutritional needs.
- There are several cooking apps mostly focus on the USA market.
- Too expensive apps with lacking information about the European system.
- Recipe only based on basic keyboards.

The Proposed Solution

- Create an application that provides recipes and menus based on your own personalized nutritional needs like, calories, macros, diets, etc
- Create a shopping list with the ingredients based on the European Market.
- Get ingredients in the Metric System

How to make this happen?

Data Acquisition



By daily Scrapping Data from
Spoonacular API

Transform the Data



Via `./jq` and **Python** Scripts
from JSON to CSV

Upload the data in a DB



To Amazon RDS-Postgres via
Python Script that creates the
tables and transform the data
as needed

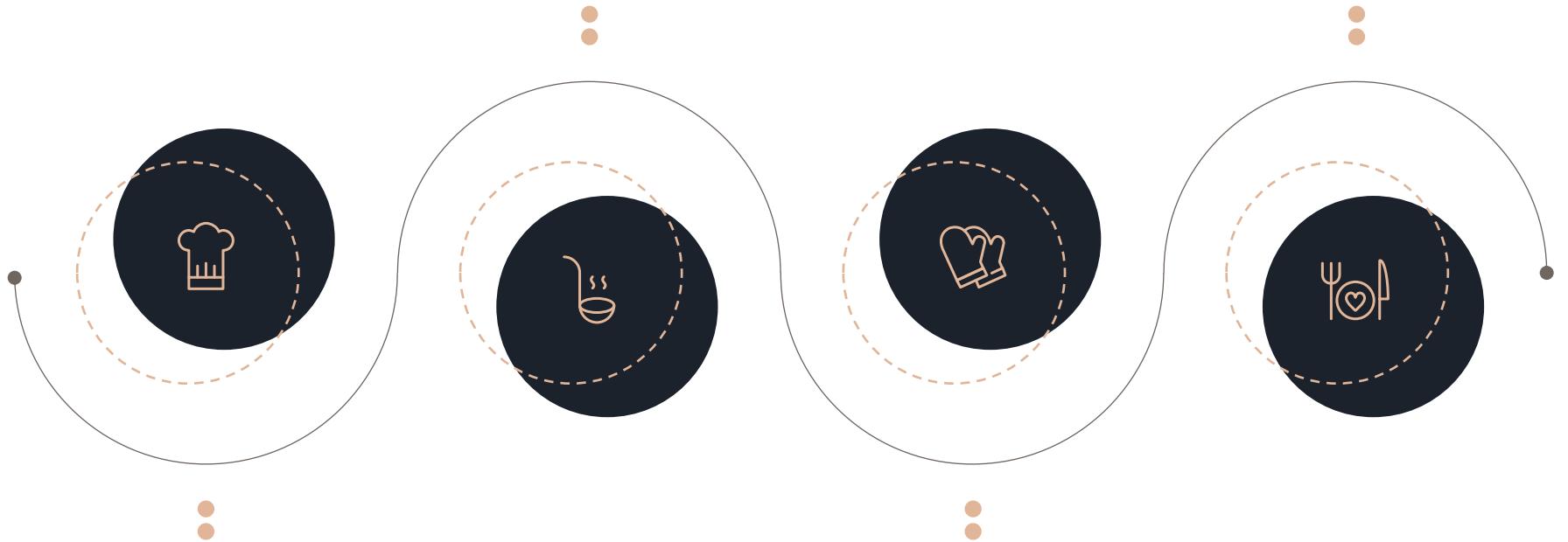
Serve the data via API



Via Hasura Cloud to generate a
GraphQL API that eventually
will connect with a UI

Timeline and Pain Points

Sooo many sources which one should I choose. Data Sets, Food DB, APIs, Scrapping websites?



Ok! I have a source, now what?
PythonAnywhere jobs or GitHub Actions for getting the data?

I think I over Engineer this...
Rebase and think simple... The Make file

Where do I store it? Snowflake, SQLlite, RDS Postgres... I want this to be a long-term project...

Timeline and Pain Points

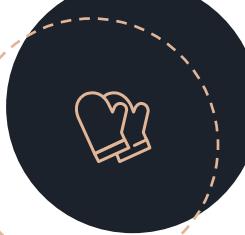
OMG the JSON is CAOS how do I transform this/jq, pandas, python



DBT for modeling? Not really, very little time too much to do and data transformation to csv took forever...



Continuous Integration and Docker what a pain....

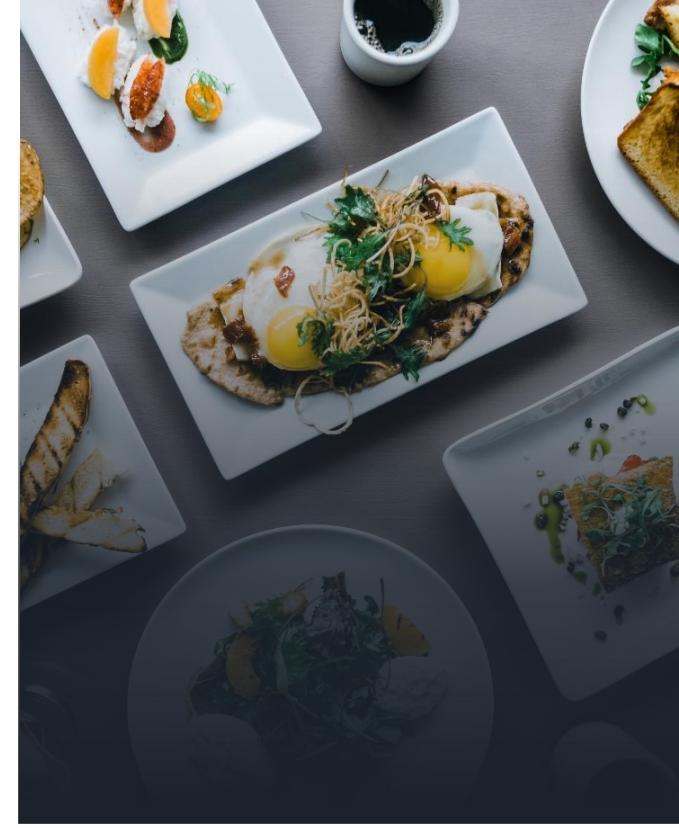


How to serve the Data? Flask API or GraphQL I haven't done this NEVER in my life..





 Foodtastic





What is Next?

Phase 01

Data Acquisition
and MVP -
Completed

Phase 02

UI and Automatic
Generation of the
menus

Phase 03

Improve Data
Stack and
Performance.



Phase **04**

Improve UI and
add the Generate
Shopping List
Feature

Phase **05**

Integration with
food suppliers
such Gorilla,
supermarkets, et

Phase **06**

Funding

Demo & Questions

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THANK
YOU

