



FlavourFlix

DISCOVER. TASTE. REPEAT.

CAPSTONE PROJECT
PITCH DECK

<https://flavourflixx.wixsite.com/flavour-flix> >

PROBLEMS

IN THE CURRENT MARKET

Overwhelming Choices

Customers struggle to pick restaurants matching their tastes, diets, and budgets due to numerous dining choices available.

Lack of Personalization

Current restaurant recommendation platforms tend to provide generic suggestions, ignoring personal preferences and dietary needs, which may lead to poor dining experiences.

Inefficient Discovery Process

Users spend considerable time and feel frustrated browsing various websites and apps to find restaurants that match their specific needs.

Limited Interaction and Engagement

Current platforms offer limited interaction, lacking a responsive and intuitive way for users to refine their search and get immediate, personalized recommendations.

Absence of a Holistic Approach

Platforms lack user-friendly integrated solutions that combine user preferences, location-based analytics, and interactive assistance.

FLAVOURFLIX

IS THE SOLUTION

Filomena, the AI Assistant

Filomena provides personalized restaurant recommendations based on user preferences, as well as answers questions and describes restaurants.

Robust Search Filters

Make searching more friendly by allowing users to easily navigate through a vast array of dining options using filters like cuisine type, location, price range, and more.

Real-Time Analytics Dashboard

A dynamic feature that shows nearby restaurants and trending dining spots based on user location and preferences.

Discover Your Food Personality

An innovative tool where users complete a fun and insightful questionnaire to discover their unique "Food Personality".

MEET THE TEAM

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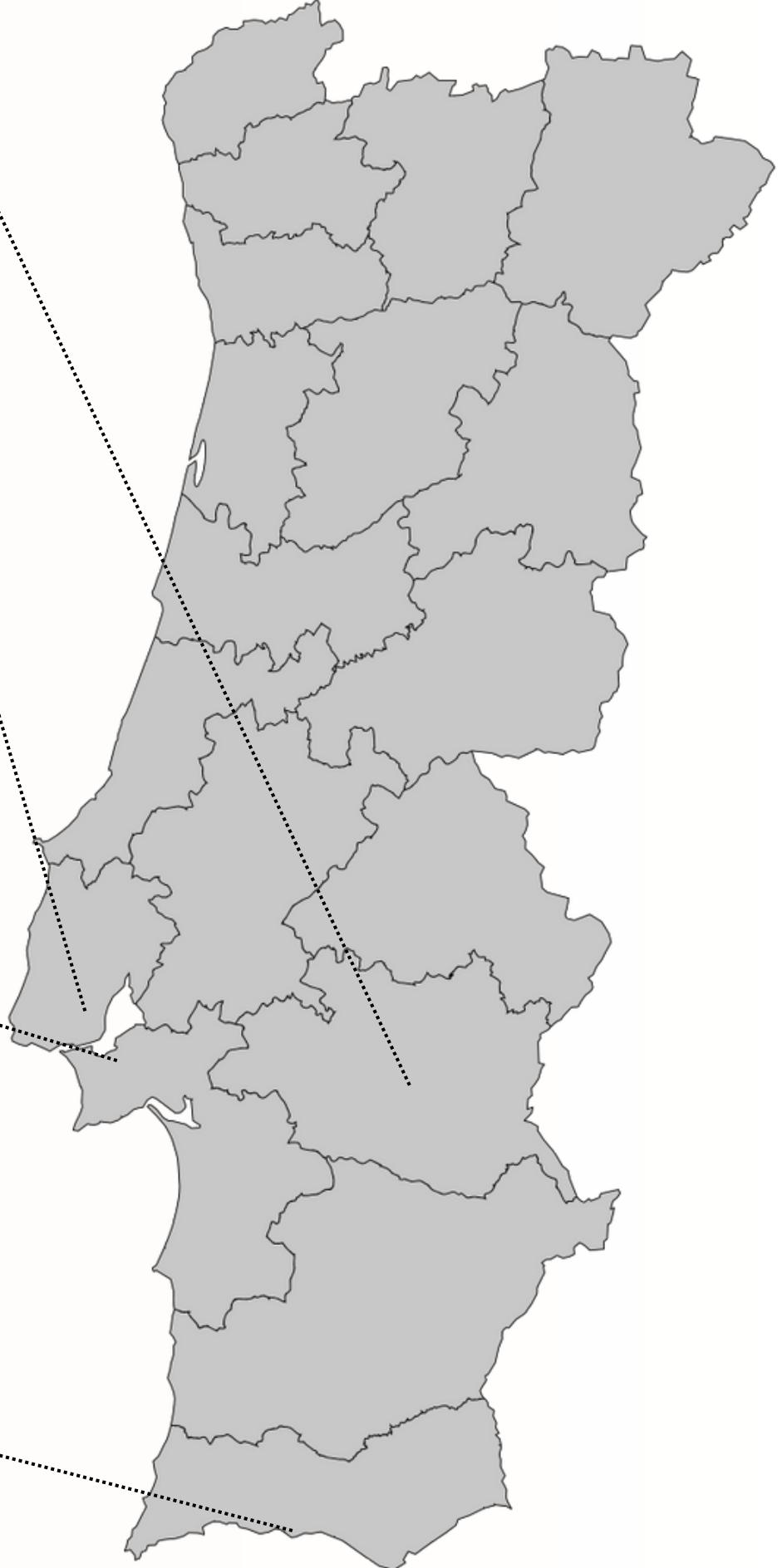
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FLAVOURFLIX' **MISSION & VALUES**

Integrate multiple technologies;

Create a valuable tool for a broad and diverse audience;

Ally two different worlds: combine Data Science, Machine Learning and AI with the Restaurant Sector;

Apply academic learnings in a real-wold context.



FEATURES

SEARCH



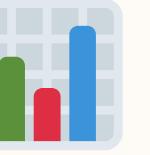
This feature aims to ease the process of discovering restaurants, based on specific filters.

Currently supports the opportunity of filtering by location, cuisine type, restaurant filters and specific dishes.

The screenshot shows a web browser window titled "Search" with the URL "localhost:8502/Search". The page has a header with links to Gmail, YouTube, Maps, Canva, and Wix | Flavour Flix. A "Deploy" button is in the top right. The main content area features a heading "Let us help you find the perfect restaurant for you!" followed by a form with dropdowns for "Select Location" (set to Évora), "Select Cuisine Type" (set to Portuguese), and a "Select Price Range" slider between 9 and 19. Below the form is a text input field with placeholder "Craving anything in specific?" containing the word "Bife". To the right, there are three cards representing different restaurants:

- SBO Sabores e Livros**: Located at R. das Alcaçarias 1, Évora, Portugal. Cuisine Type: Portuguese. Buttons: "View Details for SBO Sabores e Livros".
- Tragos e Condutos**: Located at Alcarcova de Baixo 35, Évora, Portugal. Cuisine Type: Portuguese. Buttons: "View Details for Tragos e Condutos".
- Franguito da Guia**: Located at Av. de São Sebastião 25, Évora, Portugal. Cuisine Type: Portuguese. Buttons: "View Details for Franguito da Guia".

FEATURES DASHBOARD



The dashboard allows the user to understand what is the overall picture of the restaurants - either the ones surrounding them, or the complete database. It showcases factors such as the number of open restaurants, average price and common cuisines.

The screenshot shows the FlavourFlix dashboard interface. At the top, it displays a welcome message: "Welcome to FlavourFlix, user!" followed by a sub-instruction: "Find your new favourite portuguese restaurant!". Below this, there are three summary boxes: "Currently Open" (74), "Average Price" (21€), and "Most Common Cuisine" (Portuguese). To the right of these is a map of a region with several blue location pins indicating restaurant locations. On the far right, there are three cards under the heading "Top Rated Restaurants": 1) "Best Ratings" for "Alegre-me Healthy Brunch" in Setúbal, Portugal, with a rating of 10.0/10.0. 2) "Highest Food Rating" for "Adfa" in Évora, Portugal, with a rating of 10.0/10.0. 3) "Best Service" for "Franguito da Guia". The dashboard also includes a "Use my location" toggle switch and a "Deploy" button in the top right corner.

FEATURES | FILOMENA |



Chat with Filomena

localhost:8503/Chat%20with%20Filomena

Gmail YouTube Maps Canva Wix | Flavour Flix All Bookmarks Deploy :

Hi madalena! How can I assist you today? I'm Filomena, FlavourFlix' virtual assistant.

I urgently need a restaurant recommendation, please.

Oh, that's great! Since you belong to the food personality Conscious Eater, I can definitely help you out with a restaurant recommendation. Just one quick question, where exactly is the city where you eat? That way, I can suggest a restaurant that's nearby and suits your taste preferences.

The city where I eat is Albufeira

I recommend the following restaurants in Albufeira for a Conscious Eater:

- Alecrim - Mediterranean cuisine
- Castelo Beach Club - Mediterranean cuisine
- Os Gregos - Greek cuisine
- Olive Bistro & Gastro Bar - Mediterranean cuisine
- Louro e Salsa - Vegan cuisine

Enjoy your meal!

Talk with Filomena... >

Filomena is the central point of FlavourFlix, as she enables users to:

- Get to know restaurants;
- Receive personalized restaurant recommendations;
- Learn trivia of portuguese gastronomic culture;
- Learn about FlavourFlix;
- Troubleshoot issues with the app;
- Find their Food Personality.



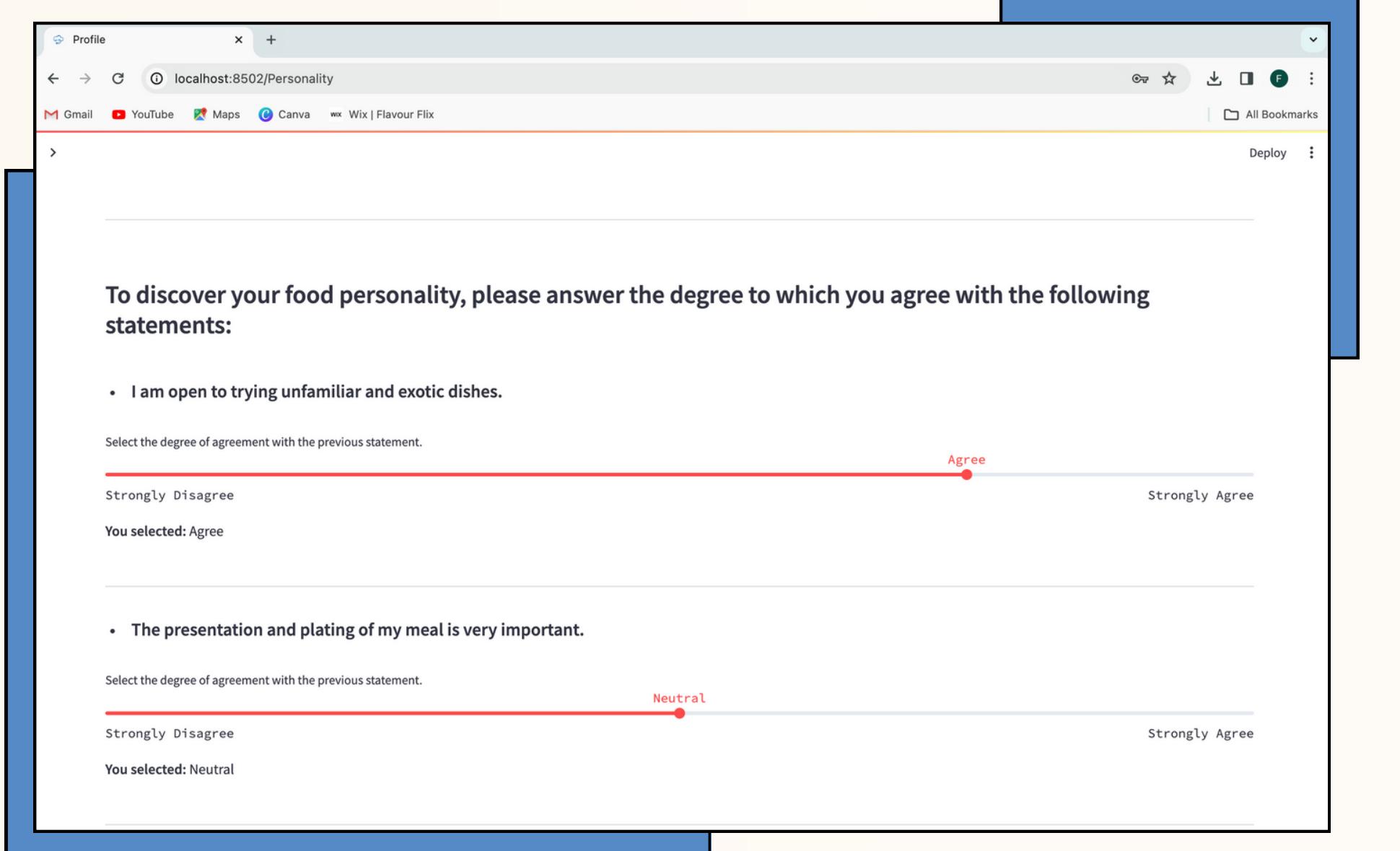
FEATURES

FOOD PERSONALITY



FlavourFlix' provides with the fun of determining the user's Food Personality, which can be further leveraged to personalize restaurant recommendations.

All which is necessary is to respond to a 10 question form about dining patterns and behaviour.



To discover your food personality, please answer the degree to which you agree with the following statements:

- I am open to trying unfamiliar and exotic dishes.

Select the degree of agreement with the previous statement.

Strongly Disagree Agree

You selected: Agree

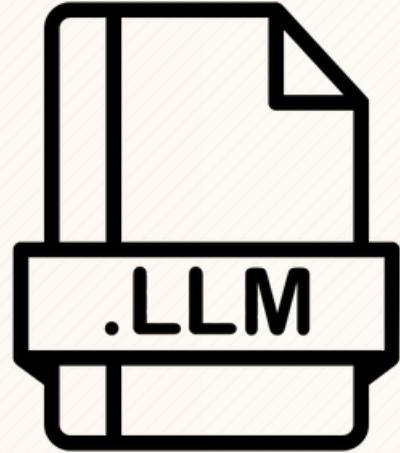
- The presentation and plating of my meal is very important.

Select the degree of agreement with the previous statement.

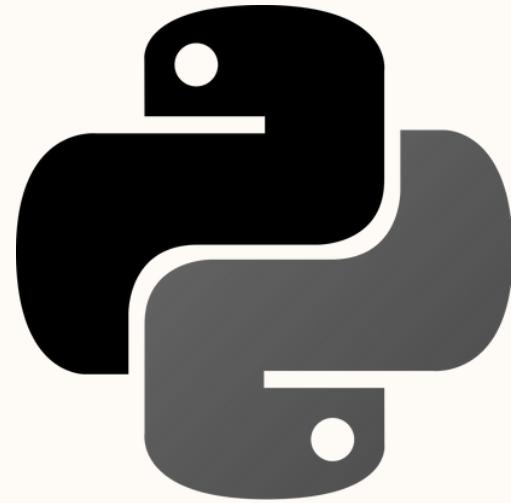
Strongly Disagree Neutral

You selected: Neutral

TECH SOLUTION HOW IS THIS POSSIBLE?



LLM's
Leverage Large Language Models to generate data, descriptions, and images and to build Filomena.

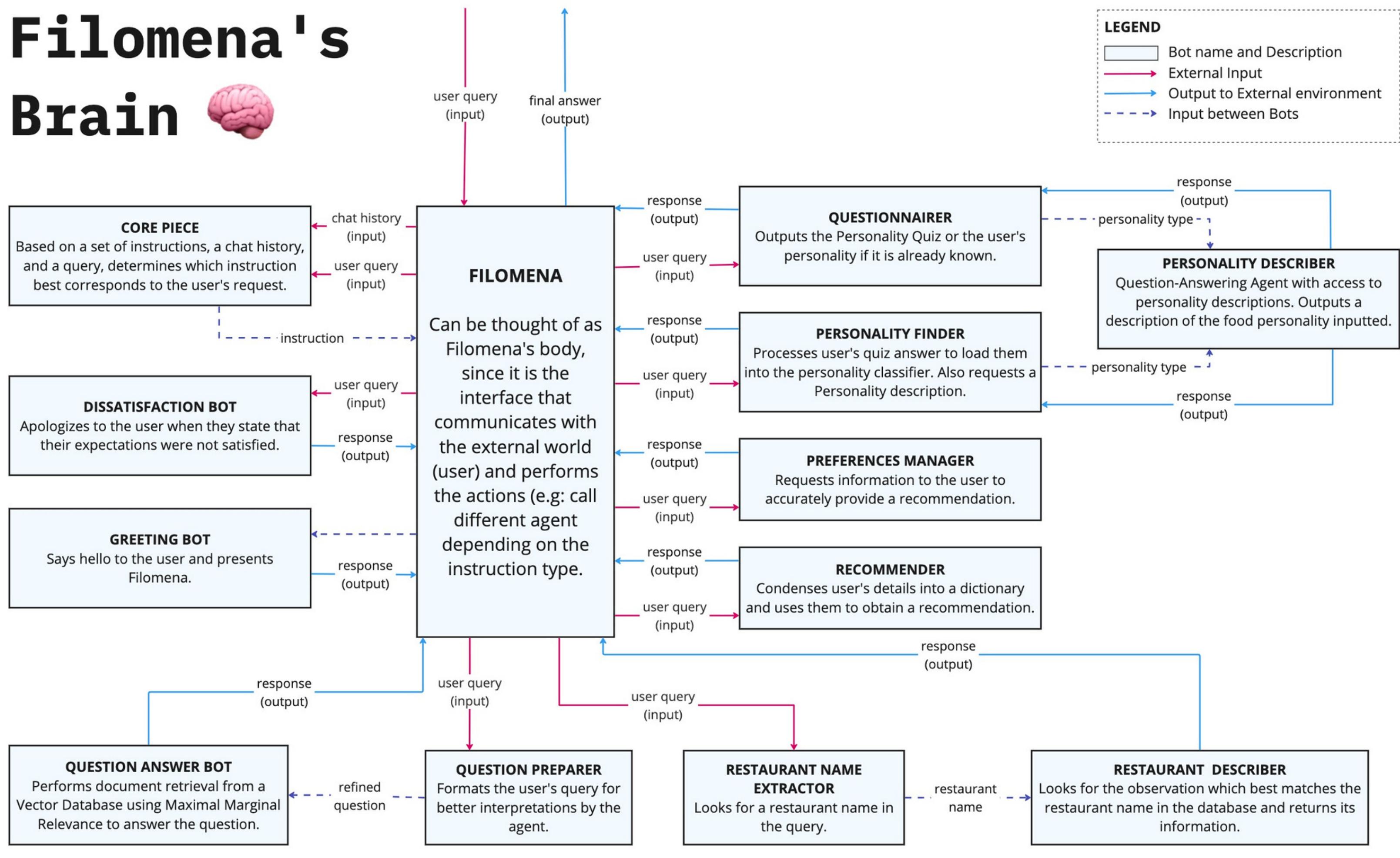


Python, HTML and CSS
Developing the application and all of the FlavourFlix' functionalities using Python programming, and HTML and CSS for embellishments.



Creativity and Business Focus
Continuous assessment on how the products implemented can positively impact the end-user and the restaurant market.

Filomena's Brain



USE CASES ANNEX

1. Gain Knowledge with Document Retrieval
2. Get to Know Your Neighbouring Restaurants
3. Combine Machine Learning with Food
4. Receive the Perfect Recommendation

GAIN KNOWLEDGE WITH DOCUMENT RETRIEVAL



Talk with Filomena 🍲

Ask me anything about FlavourFlix, food personalities, or even restaurant recommendations and I'll do my best to answer you! 🇵🇹

Note that the answers are not always 100% accurate, but I'm learning! Use the prompt templates in the sidebar to maximize my potential.

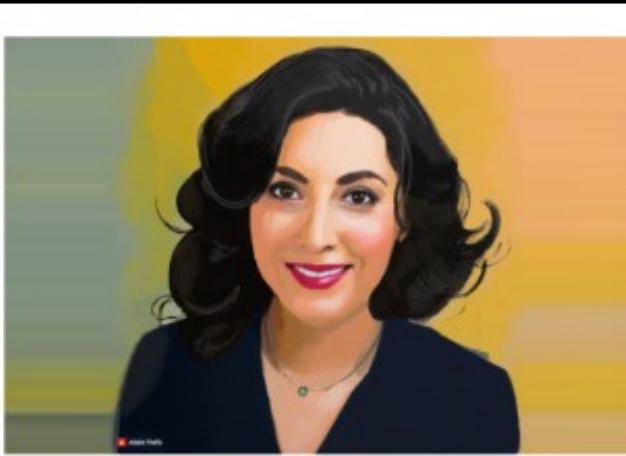
 Hello madalena! How can I assist you today? I'm Filomena, FlavourFlix' virtual assistant.

 Describe me portuguese culinary festivities.

 There are several traditional Portuguese culinary festivities. Some of them include the New Year's Eve meal, where boiled cod with potatoes and cabbage is often enjoyed, along with a variety of desserts. Easter is another important holiday, with roasted lamb, folar (a type of Easter bread), and chocolate almonds being popular treats. In different regions, you can also find specific festival foods, such as migas and açorda in the Alentejo region, cornbread in Northern Portugal, and soft bread called bolo de caco from the island of Madeira. Additionally, there are specific festivals like the Santo Antonio festival in Lisbon, where you can taste homemade sardines on bread with a glass of red wine or sangria. The seafood festival in Olhão, Algarve is also a popular event.



GET TO KNOW YOUR NEIGHBOURING RESTAURANTS



Talk with Filomena

Ask me anything about FlavourFlix, food personalities, or even restaurant recommendations and I'll do my best to answer you! 

Note that the answers are not always 100% accurate, but I'm learning! Use the prompt templates in the sidebar to maximize my potential.



Hi caramel0! How can I assist you today? I'm Filomena, FlavourFlix' virtual assistant.



Describe me the restaurant Chutneys.



The restaurant 'Chutneys' is an Indian restaurant located in Albufeira. It has an average price of 14 units and is open from 11:30 AM to 2:30 PM and from 6:00 PM to 11:59 PM every day of the week.

Talk with Filomena...



COMBINE MACHINE LEARNING WITH FOOD



1. I am open to trying unfamiliar and exotic dishes: Agree
2. The presentation and plating of my meal is very important.: Disagree
3. I prioritize getting good value for price when choosing a meal: Agree
4. I prefer dining at high-end gourmet restaurants: Neutral
5. I pay a lot of attention to the nutritional content and health benefits of my meals: Neutral
6. I often opt for home-cooked meals over dining out.: Agree
7. It is important to me to consistently explore new culinary experiences.: Agree
8. I often incorporate organic or diet-specific foods (e.g., vegan, keto) in my meals: Disagree
9. I mostly enjoy eating traditional and/or familiar dishes: Neutral
10. I am willing to spend extra if it means getting high-quality ingredients: Agree



Your personality is Low Cost Foodie! 😊 A Low Cost Foodie's Food Personality is someone who prioritizes affordability when it comes to dining out. They enjoy exploring budget-friendly options and are open to trying different types of cuisine as long as it fits within their budget. They appreciate good value for money and are not necessarily focused on gourmet dining experiences. This type of foodie enjoys discovering hidden gems and local eateries that offer delicious meals at affordable prices.

Talk with Filomena...



RECEIVE THE PERFECT RECOMMENDATION



Hello Carolina! I'm Filomena, FlavourFlix' virtual assistant. How can I assist you today?



What is my Food personality?



Please rate the following questions on a scale from 1 to 5, where 1 corresponds to "Strongly Disagree" and 5 is "Strongly Agree". Kindly respond to all the questions at once.

1. I am open to trying unfamiliar and exotic dishes.
2. The presentation and plating of my meal is very important.
3. I prioritize getting good value for price when choosing a meal.
4. I prefer dining at high-end gourmet restaurants.
5. I pay a lot of attention to the nutritional content and health benefits of my meals.
6. I often opt for home-cooked meals over dining out.
7. It is important to me to consistently explore new culinary experiences.
8. I often incorporate organic or diet-specific foods (e.g., vegan, keto) in my meals.
9. I mostly enjoy eating traditional and/or familiar dishes.
10. I am willing to spend extra if it means getting high-quality ingredients.

Please respond to these questions directly in the designated app page OR with me, Filomena. Your answers are necessary to determine your personality.



THANK YOU FOR YOUR TIME
QUESTIONS? |

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