talking recipe book

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What is talking recipe book?

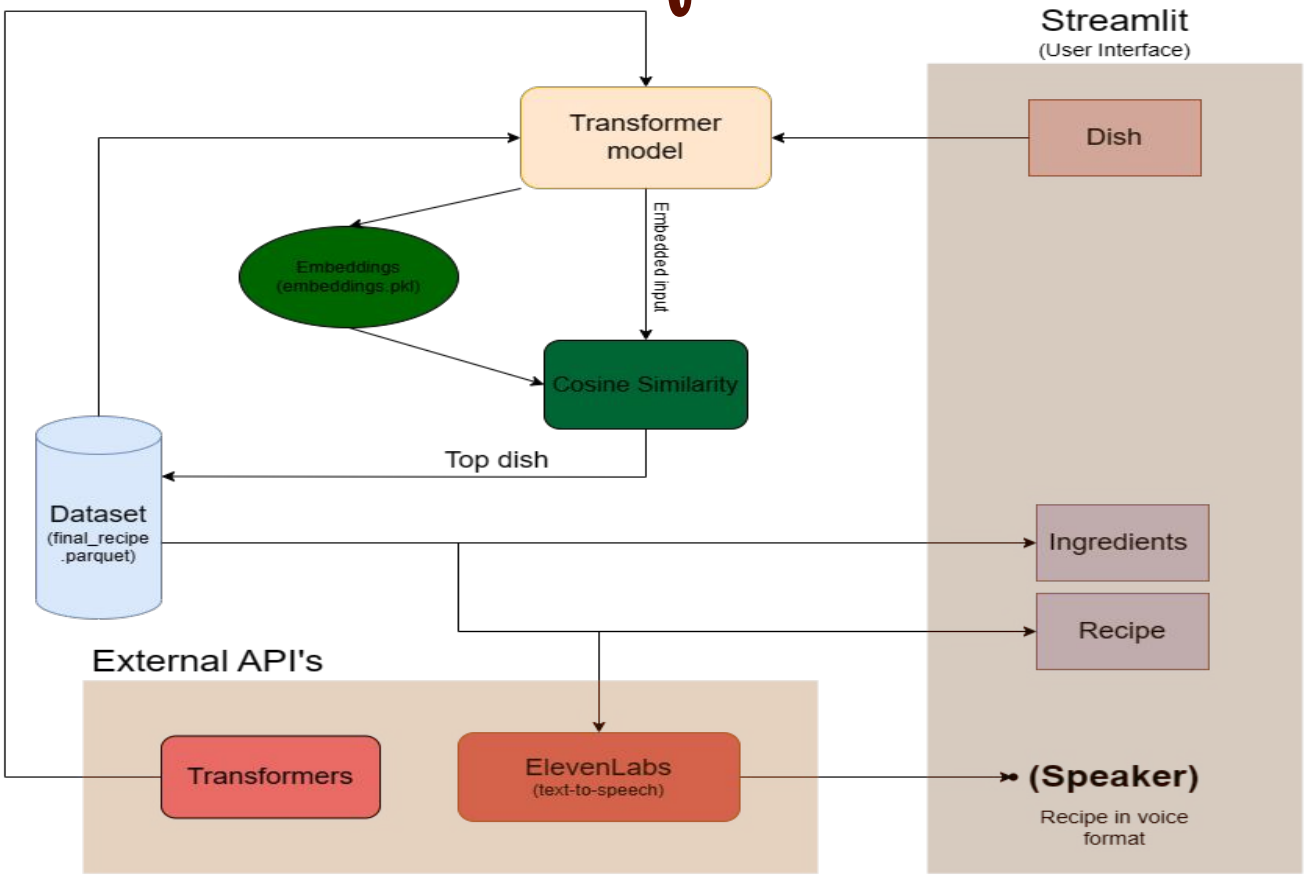
Problem:

Cooking has always been an enjoyable and essential part of our lives, but not everyone finds it easy to follow traditional recipe instructions. Whether you're a seasoned chef or a novice in the kitchen, we understand the challenges of deciphering complex recipes, multitasking with cooking tools, and even struggling to read small text while handling ingredients.

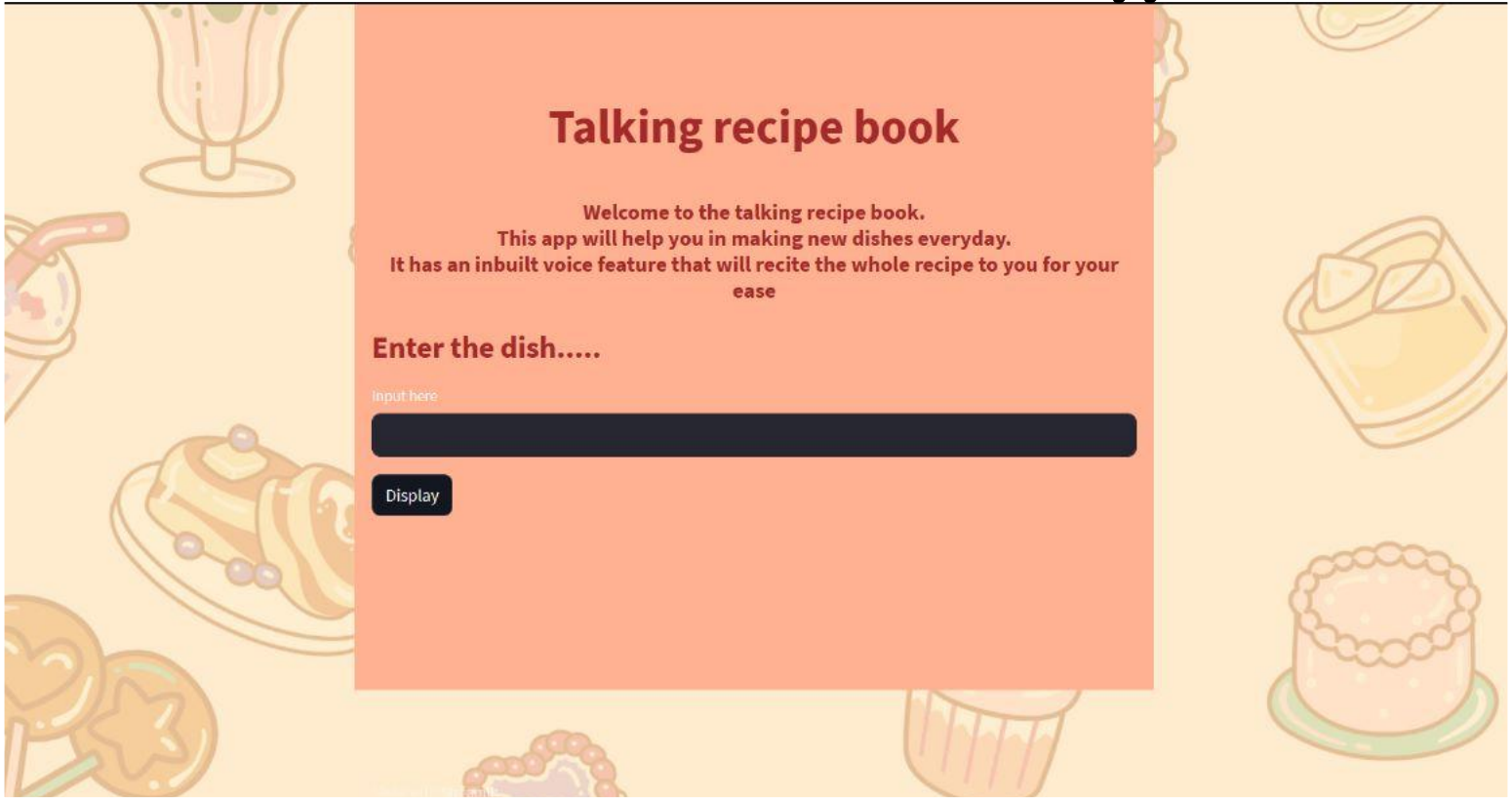
Solution we derived:

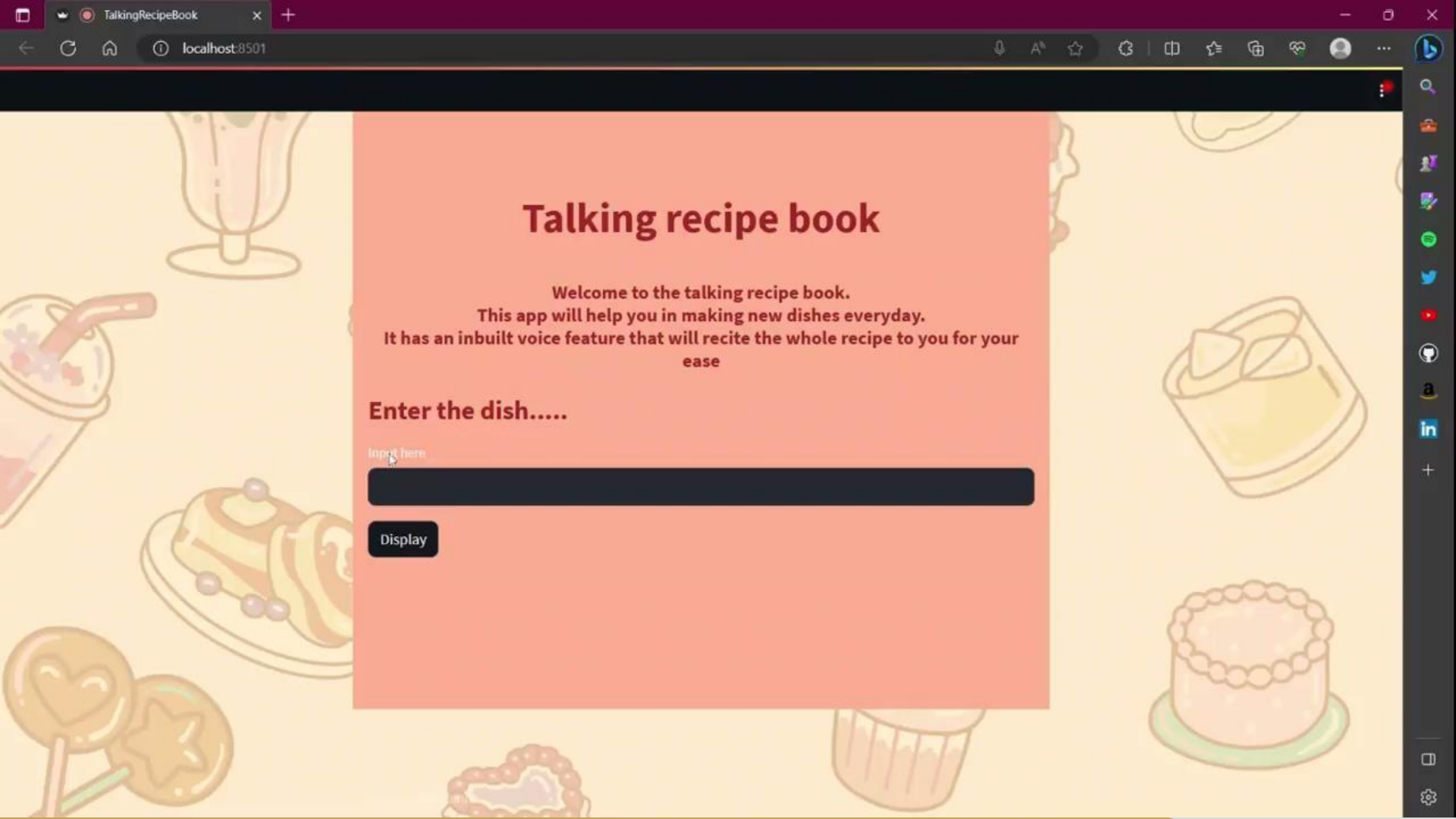
"Talking recipe book" is an app that utilizes the latest in natural language processing and speech recognition technology to provide you with a hands-free cooking experience like never before. Gone are the days of scrolling through endless text, trying to figure out cooking times and ingredient quantities. With talking recipe app, all you need to do is enter the dish, and the app will guide you through the entire cooking process step-by-step, just like having your personal sous chef right there in the kitchen with you!

Workflow


Streamlit
(User Interface)
Transformer model
Dish
Embeddings (embeddings.pkl)
Embedded input
Cosine Similarity
Top dish
Dataset (final_recipe .parquet)
Ingredients
Recipe
External API's
Transformers
ElevenLabs (text-to-speech)
(Speaker)
Recipe in voice format

User interface of the Web App




TalkingRecipeBook
localhost:8501
Talking recipe book
Welcome to the talking recipe book.
This app will help you in making new dishes everyday.
It has an inbuilt voice feature that will recite the whole recipe to you for your ease
Enter the dish.....
Input here
Display

Product Features

Voice Assistant

Smart

User Friendly

Personalized

Context aware

Future Work (improvements)

Improvement dataset used

Better deployment

More user friendly

Not only voice output but also voice input

Can search using ingredients