

Uni Bayreuth Mensa Reminder

Helping you find and get notified about your favorite dishes

Is there a dish in Mensa that you'd love to try again, but it's too much hassle to check the menu every day?

This application “**Uni Bayreuth Mensa Reminder**” uses multi-level keyword matching to connect students’ meal preferences with the daily Mensa menu. This interactive Streamlit web app allows students to input their keywords, view matching meals, and receive email notifications when their favorite dishes are available. With the concept, students can effortlessly track their preferred dishes, reduce decision stress, and improve their daily campus dining experience.

Email Notification Settings

Enter your email address to receive daily notifications:

Save Email

Email address saved: [your_email@gmail.com](#)

Current notification email: [your_email@gmail.com](#)

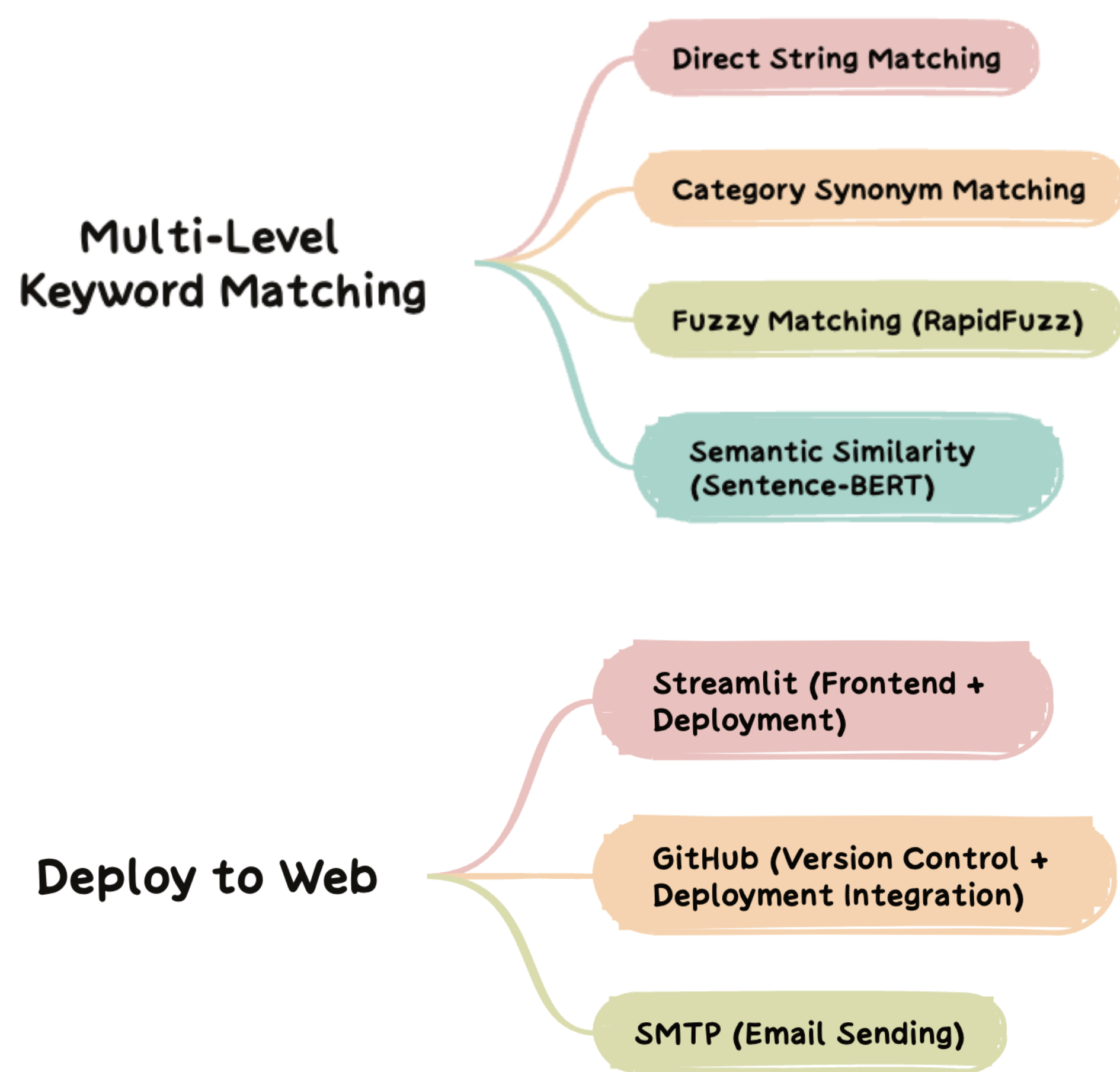
Uni Bayreuth Mensa Reminder

Add a keyword:

Add

Clear all keywords

Overview of the project:



Saved Keywords:

- Burger
- Asiatisch
- Spinat
- Nudeln

Auto Daily Check

Start Daily Auto Check at 7 AM

Stop Daily Auto Check

Daily auto check enabled.

Check today's Mensa menus now

Technical foundation: Multi-level keyword matching and web deployment

The project is built on a multi-level keyword matching pipeline. It combines:

- Direct string matching to check if the exact user input appears in the menu text without any changes.
- Category synonym matching to map user input to pre-defined category synonyms to catch variations.
- Fuzzy matching to allow spelling mistakes from user input.
- Semantic matching to capture meaning-based similarity using embeddings.

UI concept: Clean, interactive web interface using Streamlit

This UI aims to allow students to effortlessly track dishes and automate reminders by offering the functions below:

- Users can add, view, and clear their preferred meal keywords they want to track.
- Users can enable or disable automatic daily checks at 7 AM, refreshing automatically to scrape the Mensa menu and trigger notifications if matches are found.
- Matching dishes are displayed with friendly emoji feedback to make it engaging.
- Users can manually fetch today's Mensa menus to find relevant meals.

Hauptmensa

Balkankäse-Spinat-Bratling mit Tsatsiki 🥳 Bingo! Exactly what you are craving!

AOK:One Pot-Spaghetti mit Lachs 🌟 Found something that totally fits your food vibe!

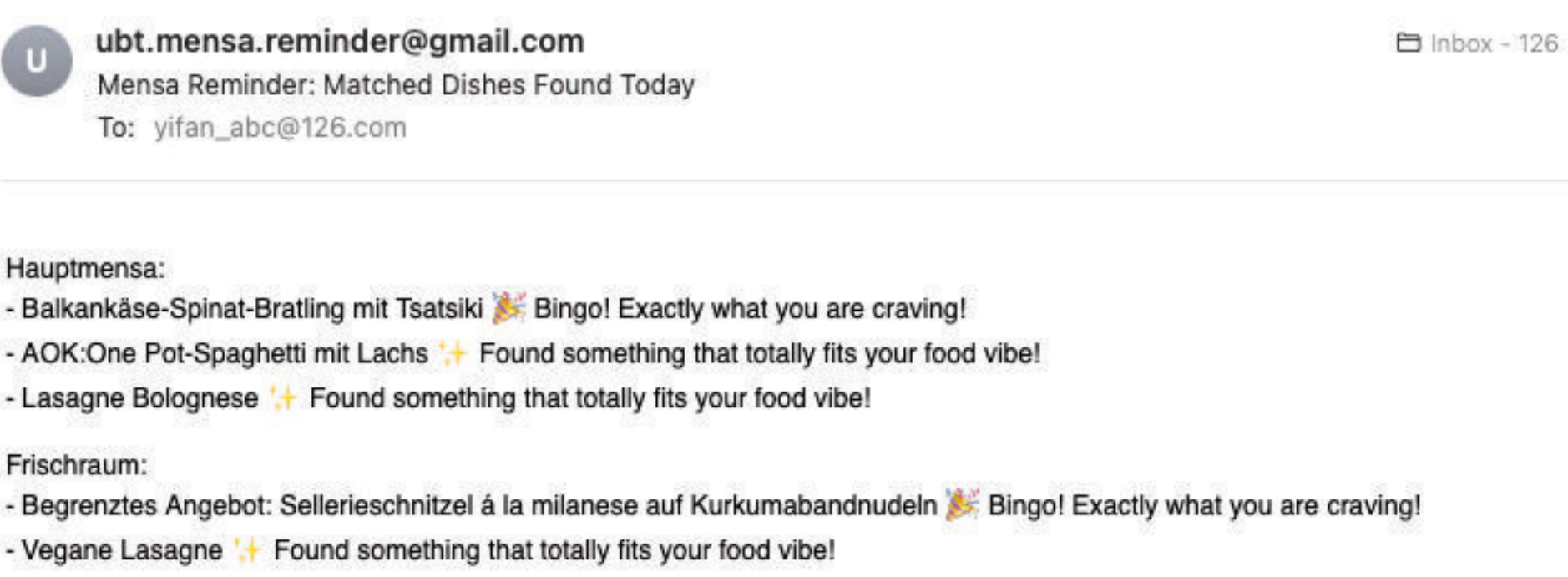
Lasagne Bolognese 🌟 Found something that totally fits your food vibe!

Frischraum

Begrenztes Angebot: SELLERIESCHNITZEL á la milanese auf Kurkumabandnudeln 🥳 Bingo! Exactly what you are craving!

Vegane Lasagne 🌟 Found something that totally fits your food vibe!

Email sent to [your_email@gmail.com](#) successfully.



Interaction example

In the first image above, the user has entered their preferred keywords and clicked on “Check today’s Mensa menus now.” As shown, it displays matching results with friendly messages directly in the interface, along with a notification that the results have been sent to the user’s email.

In the second image, the user opens their email inbox to find the automated Mensa Reminder email. The email contains the matched dishes structured by Mensa location, allowing the user to quickly review today’s relevant meal options without needing to manually check the menus again.