

TM912 - Personalized Recommendation Engine

Use Story (brief):

As a user, I want personalized restaurant suggestions based on my preferences and history so that I can discover new places to eat.

Actors: User, MenuMap System (Recommendation Engine)

Preconditions:

1. User has search/favorites history.
2. Recommendation engine is active.

Description:

1. User opens the “Recommended for You” tab.
2. System analyzes favorites, dietary tags, and past searches.
3. System presents top 5-10 personalized restaurant suggestions.
4. User can refine by filters (price, distance, dietary).

5. User selects a restaurant to view menu details.

Postconditions:

- Personalized suggestions shown.
- Data logged to improve future recommendations.

NFRs:

- Recommendations generated in $\leq 3s$.
- Privacy: user data must not be shared outside MenuMap.