
Food Now!

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Proposal

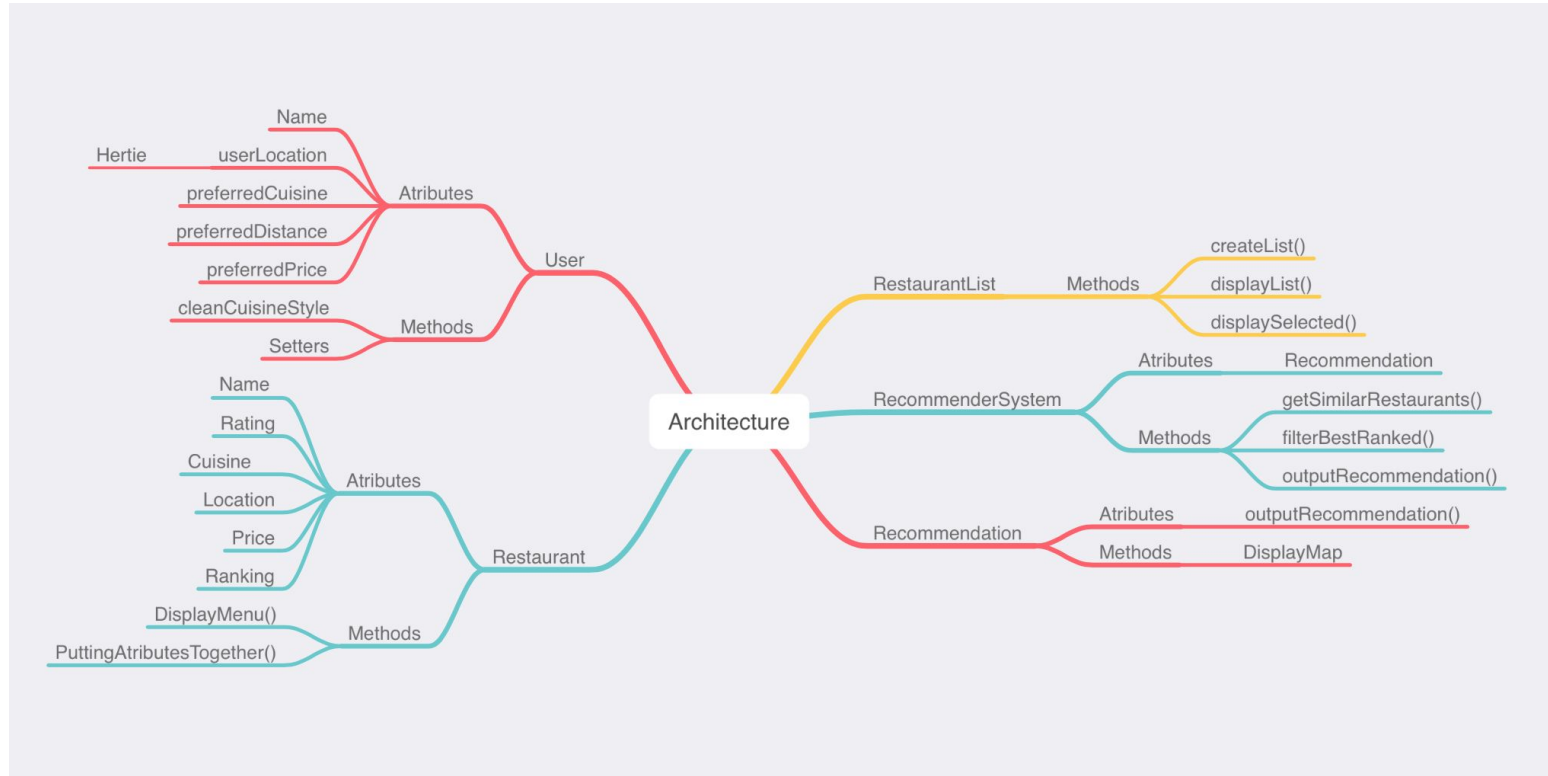
FoodNow will offer **Hertie students curated recommendations of restaurants** most aligned with the users' preferences. We focus on cuisine, price, and preferred distance (time).

The user will input preferences, and final recommendations will be displayed on a console.

How recommendation works

1. User input on their preferences (cuisine style, price, distance)
 2. Restaurant class which includes a restaurant database from TripAdvisor
 3. The Recommender system class uses cosine similarity to calculate closeness of cuisine styles and filtering for best-ranked restaurants.
 4. The user will receive the information of the three restaurants closest restaurants to their preferences.
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Code Architecture



Packages & Libraries Used

- Pandas
- Sci-kit Learn
- Numpy
- Math
- Random
- Geopandas

Design Philosophy & Work Allocation

Design Philosophy

- **Who:** Hertie students
- **What:** better restaurant recommendations based on detailed cuisine inputs & desired distance
- **Where:** within 15 mins of Hertie in Berlin
- **Why:** Existing restaurant recommenders are vague about cuisine style, we give more specific and limited options through ranking
- **How:** Object-oriented programming, cosine similarity for recommendations

Work Allocation

- Worked together to determine inputs and overall design
 - Allocation: each person worked on a class
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The End!

Q&A

