Project Proposal

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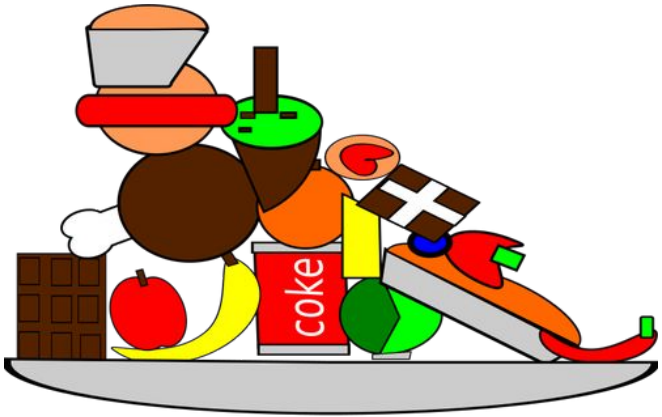
Advanced Database 622 - Fall 2020

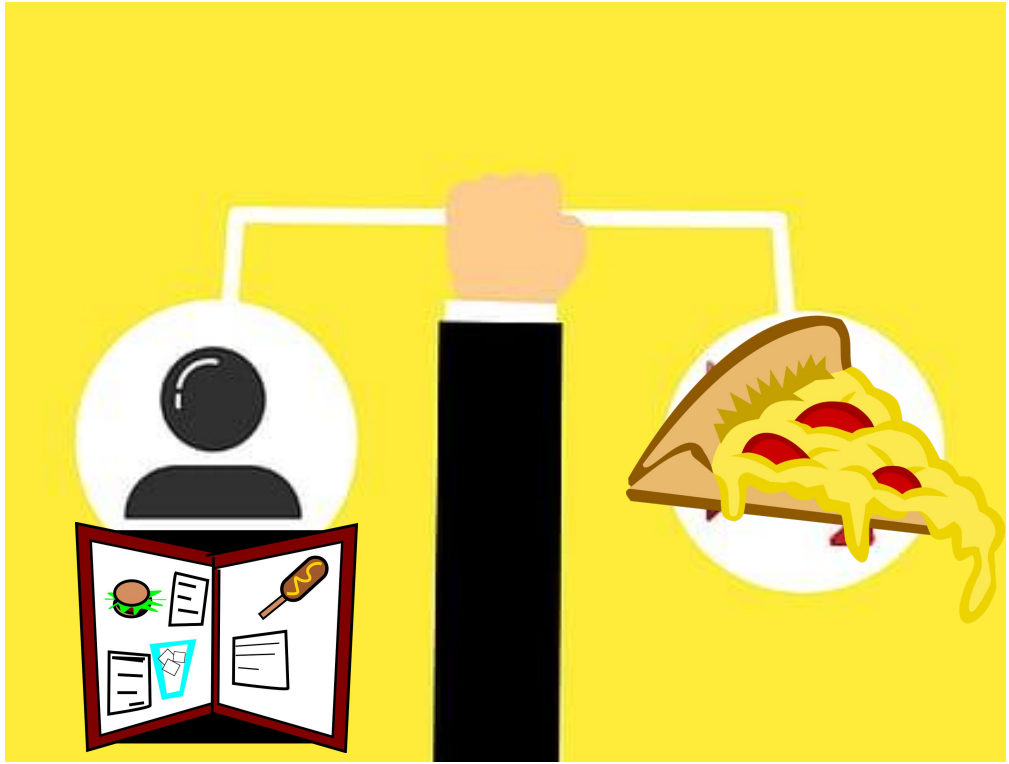
Agenda

- **Business Category**
  Food Industry
- **Proposal Concept**
  - Proposal 1
  - Proposal 2
- **Technology**
  Tech behind project
- **Closing**

Business Category

Food industry - Food recommendation





Proposal Concept

We will provide food recommendations based on a set of user inputs.

Currently, we are working through 2 sets of data to align recommendations of food suggestions.

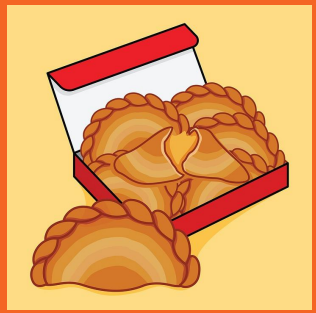
The next 2 slides will showcase our proposals, and we will based on which data set we can clean with utmost confidence.

Proposal 1

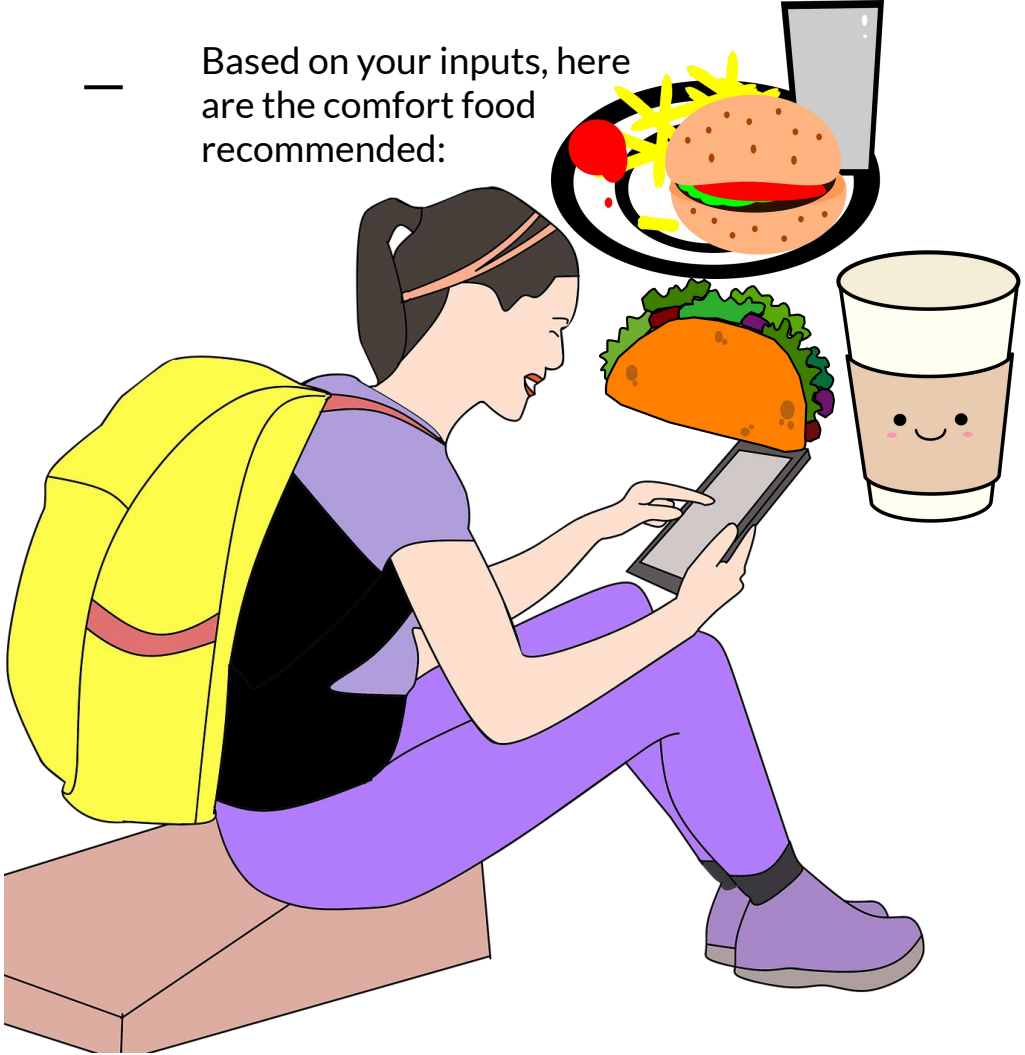
Dataset: Indian cuisine

We will use apriori rules to examine the data based on support, confidence, and lift to recommend what items should also be purchased based on user's selection

Based on selection, we think you'll also like this as a dessert:



Based on your inputs, here are the comfort food recommended:



Proposal 2

Dataset: Comfort food with multiple attributes

We will recommend comfort food to users based on users' selection on rules we find with high support, confidence, and lift.

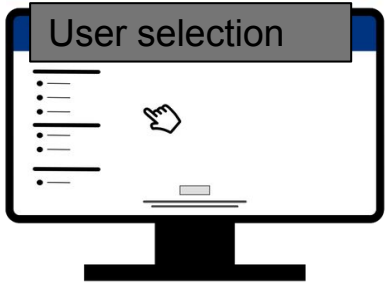
Technology

Workflow

Angular js and java

Web interface-
User input

User selection



Data is stored

Oracle data mining

Association rules will be displayed

Not seen by user

Every 10th submission, Apriori rules are rerun with user input

Closing

- **Proposal**
- Food recommendation based on user's selection
  - User will share details
    - Proposal 1: food order
    - Proposal 2: Mood, healthy food choice

We want to try our best to use a web interface

- **Web interface using angular js**
  Back up: java program
- **Database**
  Oracle

Thank You