

ExploreCAN

Recommendation system for Restaurants and Tourist attractions

A place where you can find what you search for!!!

-Group 7





Problem Statement

Help tourists to find the best Canadian restaurants and tourist attractions, develop a recommendation system that suggests options based on the user's location, preferences, and ratings.

This system should be intuitive, and personalized, and enhance user experience, increasing user satisfaction and engagement.

Vision and Mision

Vision

Our vision is to create a cutting-edge recommendation system

Mision

Our mission is to develop a comprehensive and user-friendly recommendation system.

That revolutionizes the way people discover Canadian restaurants and tourist attractions, providing them with a personalized and delightful experience.

That leverages the latest technologies, including data analysis and machine learning To help users find the best options for their needs, leading to increased satisfaction and engagement.

Approach

How we Started?

and Where are we now?

Various Data sources found in our research

- 1. Yelp Open Dataset
- 2. TripAdvisor Dataset
- 3. Canadian Tourism Commission Data
- 4. Statistics Canada
- 5. OpenData.gc.ca

From all the sources we filtered 2 datasets
Hotels reviews and Tourist attraction



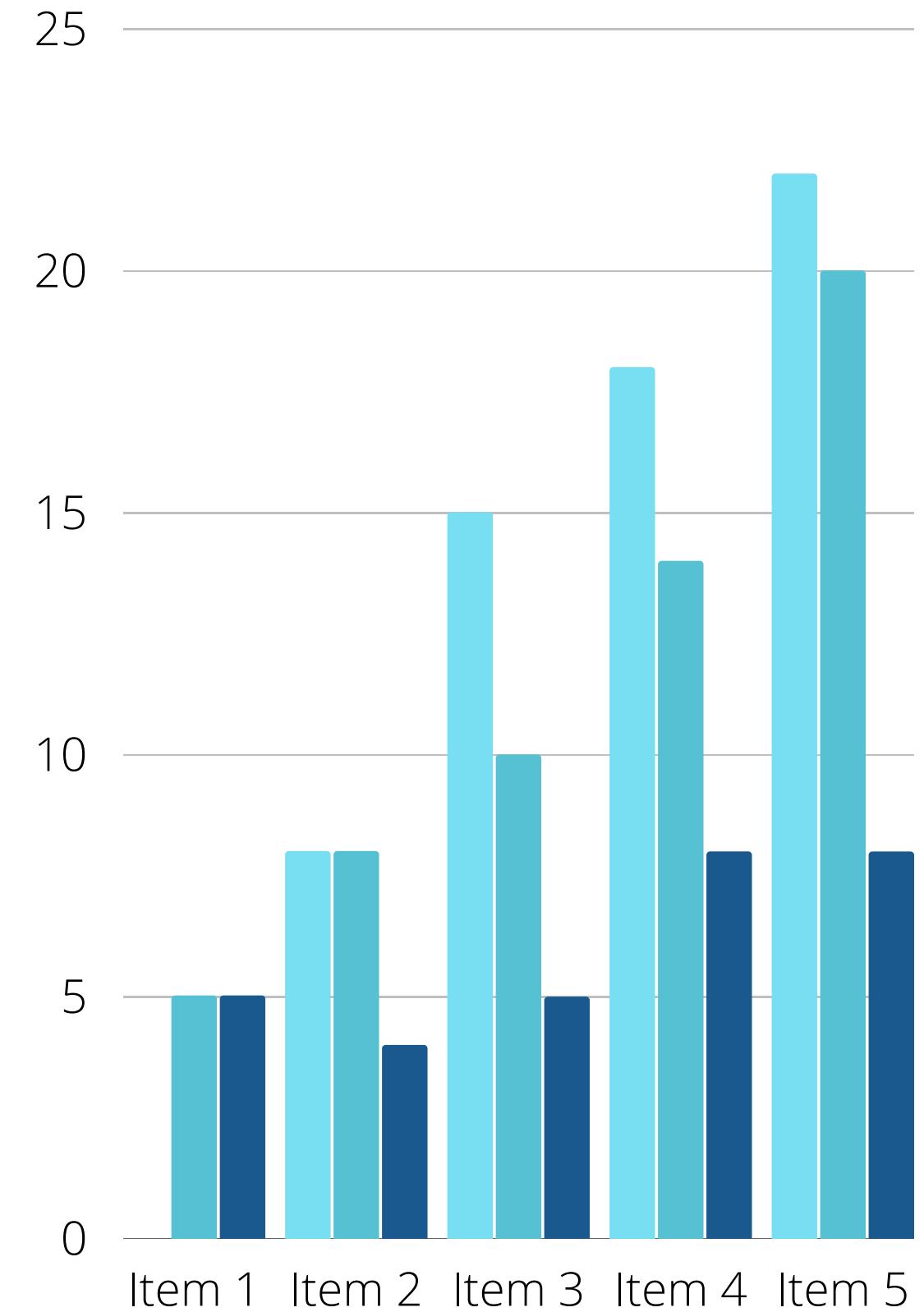
Entities

Features we identified
for creating this project!

Entities

For creating the chatbot.

- Name of the restaurant or attraction
- Location (address, city, province)
- Type of cuisine or attraction (e.g., Italian restaurant, outdoor attraction)
- User ratings and reviews
- Price range
- Opening and closing times
- Amenities offered (e.g., parking, wheelchair accessibility)
- Images or photos
- Historical visitor data (e.g., number of visitors, peak season)
- Popularity or trending information



Cost Estimation

How we plan our price for development

Requirements for developing

Data Collection and Preparation

This includes the cost of acquiring and cleaning the data required for building the recommendation system, which can include data from customer surveys, restaurant sales, and tourist attraction visitor numbers.

Development and Implementation

This includes the cost of hiring software engineers, data scientists, and other specialists to build and implement the recommendation system.

Infrastructure and Hosting

This includes the cost of hosting the recommendation system on cloud-based servers, as well as any additional hardware and software required for running the system.

Maintenance and Upgrades

This includes the cost of maintaining and updating the system over time, including fixing bugs, adding new features, and updating the data used for recommendations.

Bussiness Model

How do we generate our revenue?

Bussiness Model

It is important to choose a business model that aligns with your goals and target audience, and that provides a sustainable and scalable revenue stream for your recommendation system.

Advertising

We could generate revenue by selling advertising space to restaurants or tourist attractions on your platform.

Commission-based sales

We could earn a commission on sales made through your platform, such as booking a tour or making a restaurant reservation.

Subscription model

You could charge a subscription fee to users for access to premium features or personalized recommendations.

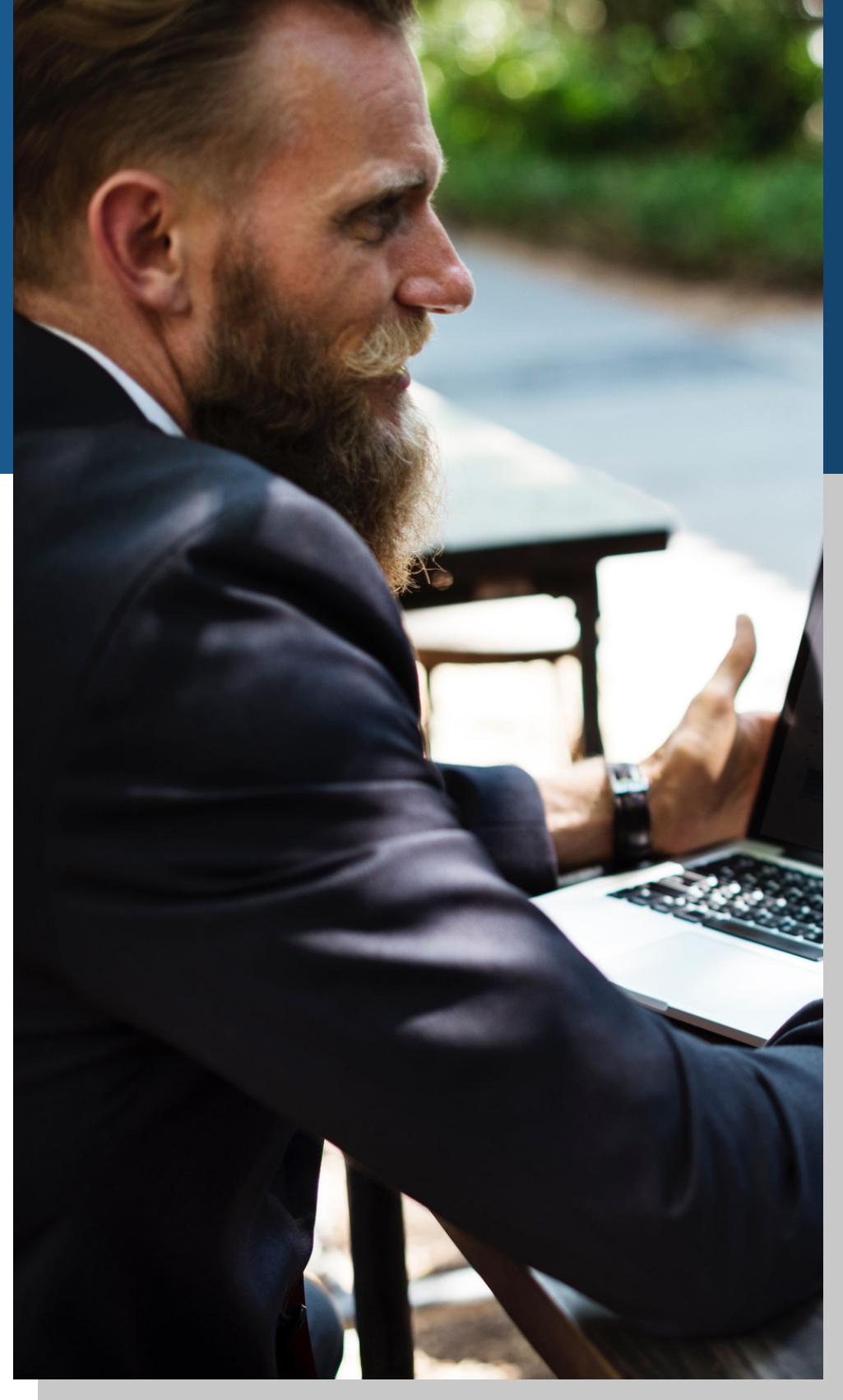
Partnerships

You could partner with restaurants, tourist attractions, or other businesses to offer exclusive discounts or promotions to users of your platform

**Sponsors
who will fund us?**

We can get support from

- Destination Canada: Destination Canada is a national tourism marketing organization that could be a potential sponsor for the recommendation system.
- Local Chambers of Commerce: Local Chambers of Commerce represent the interests of local businesses, including restaurants and tourist attractions. They may be interested in supporting a recommendation system that promotes local businesses and helps visitors discover new places to eat and explore.



We can get support from

- Provincial or Territorial Tourism Boards:
Provincial or territorial tourism boards are responsible for promoting tourism within their respective jurisdictions.
- Technology Companies: Technology companies with expertise in developing recommendation systems or data analysis may be interested in supporting the project. They could provide technical support or funding in exchange for access to the data or the opportunity to showcase their technology.



Stakeholders

Stakeholders

Creating a recommendation system for Canadian restaurants and tourist attractions involves many stakeholders with different interests and perspectives. It is important to engage with these stakeholders throughout the development process to ensure that the system meets the needs of all involved.

Investors

If the recommendation system is being developed as a commercial product, investors may be involved to provide funding for development and growth.

Customers

They will be the ones receiving the recommendations and providing feedback to improve the system.

Local Businesses

Local restaurants and tourist attractions are stakeholders in the recommendation system, as they will benefit from increased exposure to potential customers.

Data Scientists and Engineers

These professionals are responsible for building and implementing the recommendation system and ensuring that it provides accurate and relevant recommendations.

Challenges

and

Limitations

C and L's

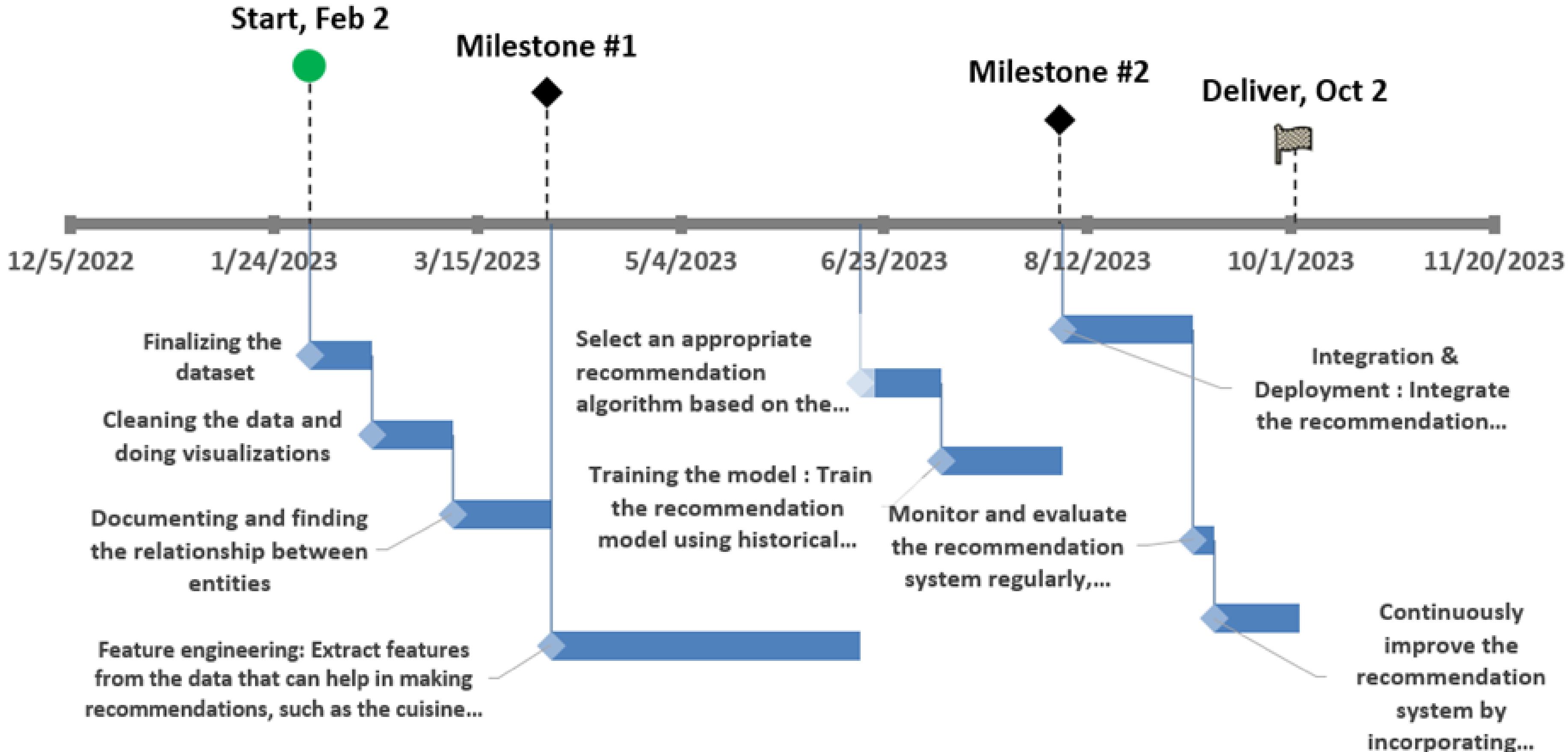
While a recommendation system can provide many benefits, there are also several challenges and limitations to consider.

- Data Availability and Quality
- Lack of Standardization
- Over-reliance on Data
- Ethical and Legal Issues
- Limited Resources



Project timeline

Recommendation System for restaurants and tourist attractions



Results Expected

Expected results

Canadian restaurants and tourist attractions have the potential to deliver many benefits for tourists, local businesses, and the tourism industry as a whole.

Improved Tourism Industry

The system can help to increase the number of tourists who visit Canada. This can help to boost the local economy and create new jobs in the tourism industry.

Enhanced Customer Experience

It can help to enhance the customer experience for tourists by providing tailored recommendations based on their preferences, budget, and location. This can help to increase customer satisfaction and loyalty.

Improved Decision-Making

It can help tourists to make more informed decisions about where to eat and what attractions to visit. This can help to save time and money and ensure a more enjoyable and memorable experience.

Data Analysis

The recommendation system can help to generate valuable insights into the preferences and behavior of tourists, as well as trends in the tourism industry. This can be used to inform future business strategies and marketing campaigns.

Individual contributions

till now!!!

Helped in finding the data sources for hotel reviews and cleaned the data hotel review

Anusha

Searching for datasets reliable for building the chatbot. Data cleaning and designing the presentation.

Rahul

Helped in finding stakeholders, who will be dependent to on our project and recording documentation

Prathyusha

Helped in finding the approach on creating the chatbot.

Vikranth

Helped in designing presentation and finding tourist attractions data set and finding the reliable attributes

Sahithi

THANK YOU
OPEN FOR
Questions and suggestions