

Ideation Phase

Brainstorm & Idea Prioritization

Date	18 October 2023
Team ID	592691
Project Name	Project – Restaurant Recommendation System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

Brainstorming and idea prioritization are valuable processes for a project involving a restaurant recommendation system. It encourages team members to come up with a wide range of ideas. In the context of a restaurant recommendation system, this could include ideas for user interface features, recommendation algorithms, data sources, or user engagement strategies. More ideas provide a greater pool of potential improvements.

Brainstorming sessions often involve team members with diverse perspectives and expertise. This diversity can lead to more comprehensive and innovative ideas, ensuring that different aspects of the project are considered. It also helps in fostering creativity and innovation. The brainstorming session typically begins with a discussion of project goals and challenges. This helps participants generate ideas that are aligned with the project's objectives, ensuring that the suggestions are relevant and valuable.

Idea prioritization involves evaluating each idea against predefined criteria, such as impact, feasibility, and alignment with project goals. This evaluation process helps identify which ideas are most likely to contribute significantly to the success of the restaurant recommendation system.

Prioritization helps allocate resources, such as time, budget, and manpower, more effectively. By focusing on ideas with the highest potential impact and feasibility, the team can make informed decisions on where to invest their efforts. It clarifies which ideas are most important and should be implemented as "Must-Have" features. This prevents the project from becoming overly complex and ensures that essential functionalities are addressed first.


Through evaluation, prioritization also helps identify potential risks and challenges associated with specific ideas. This allows the team to address these issues early in the project's development, reducing the likelihood of unexpected roadblocks.

The prioritization process considers the potential impact on users, ensuring that the most valuable features are designed with the end-user in mind, ultimately leading to a more user-friendly restaurant recommendation system. By categorizing ideas as "Nice-to-Have" or "Future Consideration," prioritization allows for the possibility of incremental development.

In the context of a restaurant recommendation system, these processes are instrumental in creating a more effective, user-centric, and efficient system. They help the project team make informed decisions about which features and functionalities will provide the most value to users while staying within the project's constraints.

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template



Brainstorm & idea prioritization

Restaurant Recommendation System Using Machine Learning

10 minutes to prepare
1 hour to collaborate
2-3 people recommended

➦

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

➦

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

➦

Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

➦

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article ➦

1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

The reliance on suggestions from friends has inherent limitations, including restricted exposure to a limited set of visited places and the potential for users not to align with the recommendations. To address this, there is a need to develop a restaurant recommendation system leveraging deep learning techniques that can provide users with more accurate and personalized restaurant suggestions, improving their dining experiences while considering diverse social scenarios and unexplored dining options.

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic
- Encourage wild ideas
- Defer judgment
- Listen to others
- Go for volume
- If possible, be visual

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Tip You can select a sticky note and tap the pencil icon to start drawing!

Devina

Get to know the user's preferences and interests. Use social media and reviews to gather insights. Consider the user's location and time of day. Use machine learning algorithms to recommend restaurants based on user's past behavior. Collaborate with friends and family for suggestions. Use a recommendation system to suggest restaurants based on user's preferences. Use a recommendation system to suggest restaurants based on user's preferences. Use a recommendation system to suggest restaurants based on user's preferences.

Prateek

Use machine learning algorithms to recommend restaurants based on user's past behavior. Collaborate with friends and family for suggestions. Use a recommendation system to suggest restaurants based on user's preferences. Use a recommendation system to suggest restaurants based on user's preferences. Use a recommendation system to suggest restaurants based on user's preferences.

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

10 minutes

Tip Add customer tags to sticky notes to make it easier to find, organize, organize and categorize important ideas as you work with your group.

Recommendation Personalization:

Use machine learning algorithms to recommend restaurants based on user's past behavior. Collaborate with friends and family for suggestions. Use a recommendation system to suggest restaurants based on user's preferences. Use a recommendation system to suggest restaurants based on user's preferences. Use a recommendation system to suggest restaurants based on user's preferences.

Sentiment Analysis:

Use machine learning algorithms to analyze user reviews and feedback. Identify positive and negative sentiments. Use sentiment analysis to improve recommendations. Use sentiment analysis to improve recommendations. Use sentiment analysis to improve recommendations.

Exploration:

Use machine learning algorithms to explore new restaurant options. Discover hidden gems and unique dining experiences. Use exploration to discover new restaurants. Use exploration to discover new restaurants. Use exploration to discover new restaurants.

Creating Performance Metrics Based on the Reviews:

Use machine learning algorithms to analyze user reviews and feedback. Identify performance metrics. Use performance metrics to improve recommendations. Use performance metrics to improve recommendations. Use performance metrics to improve recommendations.

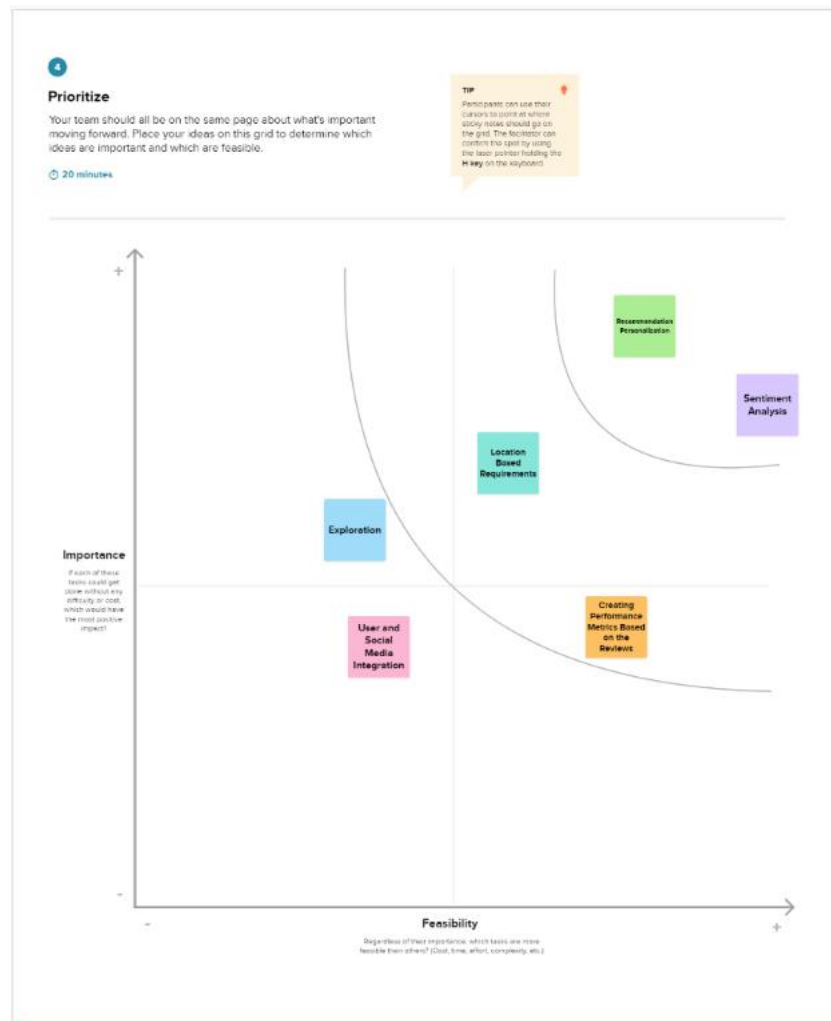
Location-Based Recommendations:

Use machine learning algorithms to recommend restaurants based on user's location. Consider proximity and local dining options. Use location-based recommendations to improve recommendations. Use location-based recommendations to improve recommendations. Use location-based recommendations to improve recommendations.

User and Social Media Integration:

Use machine learning algorithms to integrate user preferences with social media data. Collaborate with friends and family for suggestions. Use social media integration to improve recommendations. Use social media integration to improve recommendations. Use social media integration to improve recommendations.

Step-3: Idea Prioritization



Reference Link:

<https://app.mural.co/t/devinagoel6641/m/devinagoel6641/1697635193908/e48f01960dbca529b5197b69b6b79b36a768b33c?sender=u27169e62cc239610fd242716>