



# BOOK RECOMMENDER



# CONTENTS

01

## Story behind recommender

- How to get my dataset
- What information is contained?
- Quick insights
- Limitation of this recommender system

02

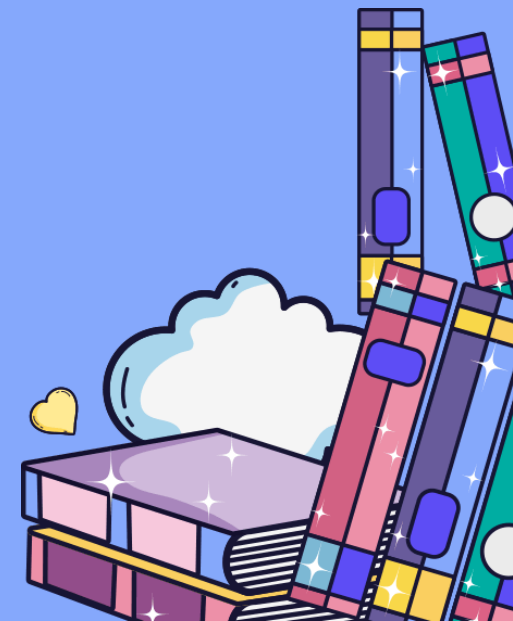
## How it works?


- How user can interact with it?
- Advantages of this recommender
- Improvement opportunities

03

## Let's Try!

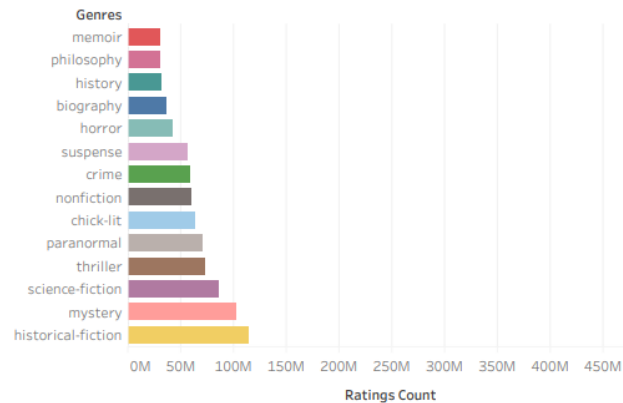
- Ask for recommendations!



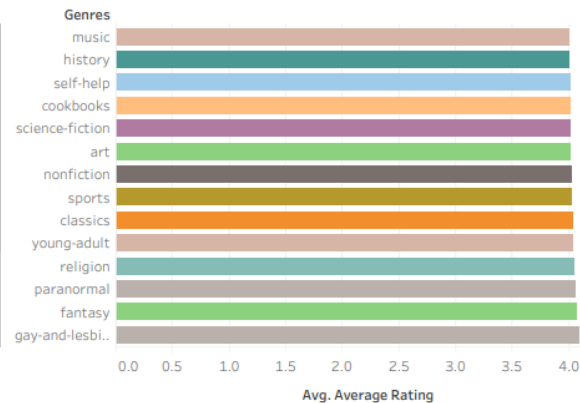
- 
- **Analyzing the Goodreads Dataset and Identifying the Best Books of 2023**
  - **The dataset covers 39 distinct genres, featuring over 10,000 books by a diverse range of authors**
  - **Additional details include summaries, ratings, ISBN numbers, publication dates, and more!**
  - ❖ **This recommendation system provides selected book suggestions with descriptions and ratings.**

# QUICK INSIGHTS IN MY DATASET..

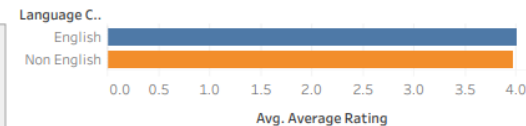
### 20 Most Popular Genres Based on #Ratings\_count



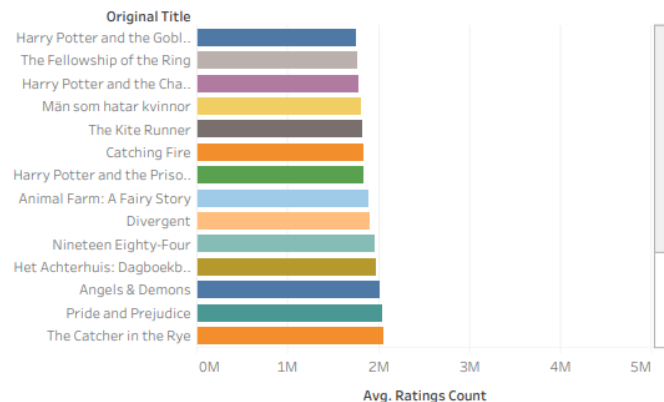
### 20 Most Popular Genres Based on #Average\_rating



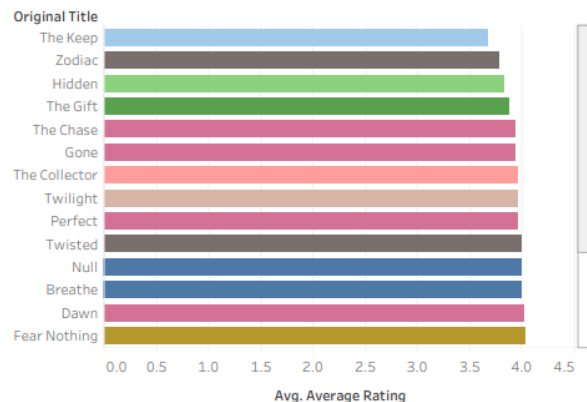
### Average\_rating per Language Group



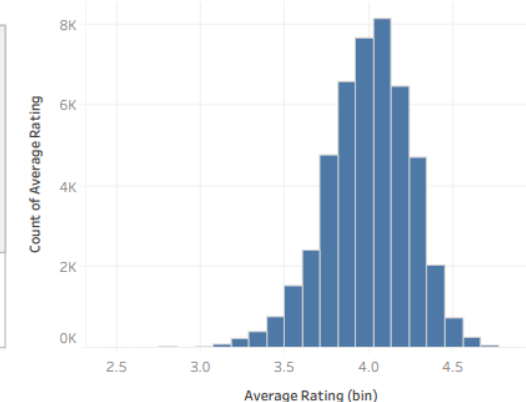
### 20 Most Popular Books Based on #Ratings\_count



### Book Popularity Average\_rating




### Rating Distribution





# HOW IT WORKS?!

- **Search Flexibility:** Find books using title, author, or genre.
  - **Detailed Recommendations:** Receive book recommendations complete with descriptions and cover images.
  - **Smart Assistance:** If a book description is missing, we'll use GPT technology to create one for you.
  - **Reliable Imagery:** Sourcebook covers images directly from Google's comprehensive image API.
- 



# LIMITATIONS

A decorative illustration in the top-left corner featuring several colorful books (pink, blue, green, yellow) with white stars on their covers, stacked and floating. Small white clouds and pink hearts are scattered around the books.

01

Size of the dataset

02

Limitation of the chat GPT

A decorative illustration in the bottom-right corner featuring a stack of books in blue, red, and green, with white clouds and small white stars floating around them.



# HOW WOULD YOU LIKE TO START...?

A CLOSE LOOK AT THE ALGORITHM OF THE RECOMMENDER

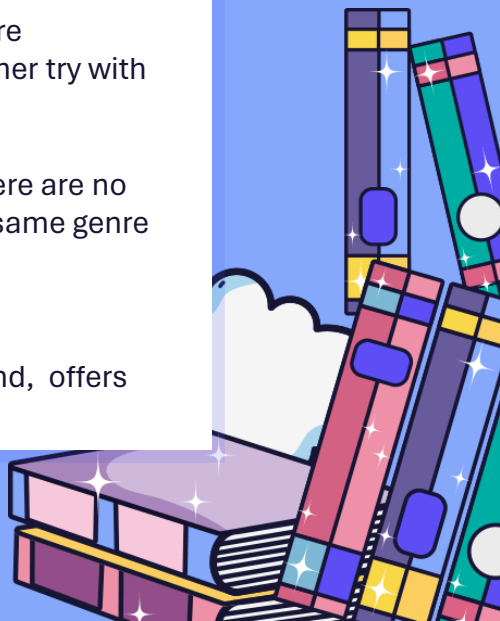
## TITLE

- Takes a book title as input
- If the book is found, recommend another random book –(based on the same features)
- Ask the user for more information or another try
- If the book isn't found in the dataset, it offers to search by genre

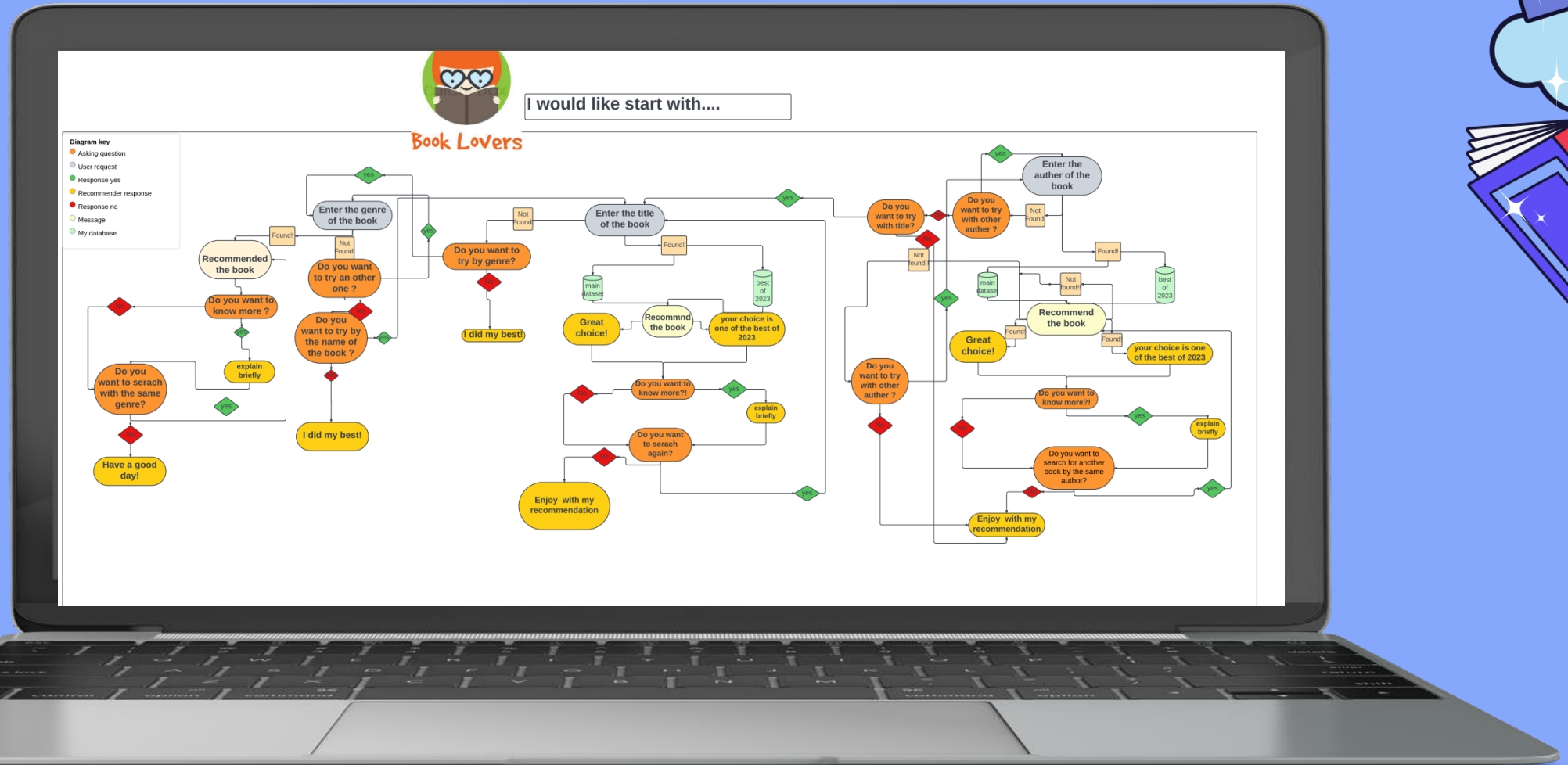
## AUTHOR

- Takes an author's name as input
- It randomly recommends, then marks it as previously recommended.
- Ask the user for more information or another try with the same author.
- Informs the user there are no more books by the same author
- Ask for another try
- If the book isn't found, offers to search by title

## GENRE

- Takes a genre as input
  - It randomly recommends, then marks it as previously recommended.
  - Ask the user for more information or another try with the same genre.
  - Informs the user there are no more books by the same genre
  - Ask for another try
  - If the book isn't found, offers to search by title
- 

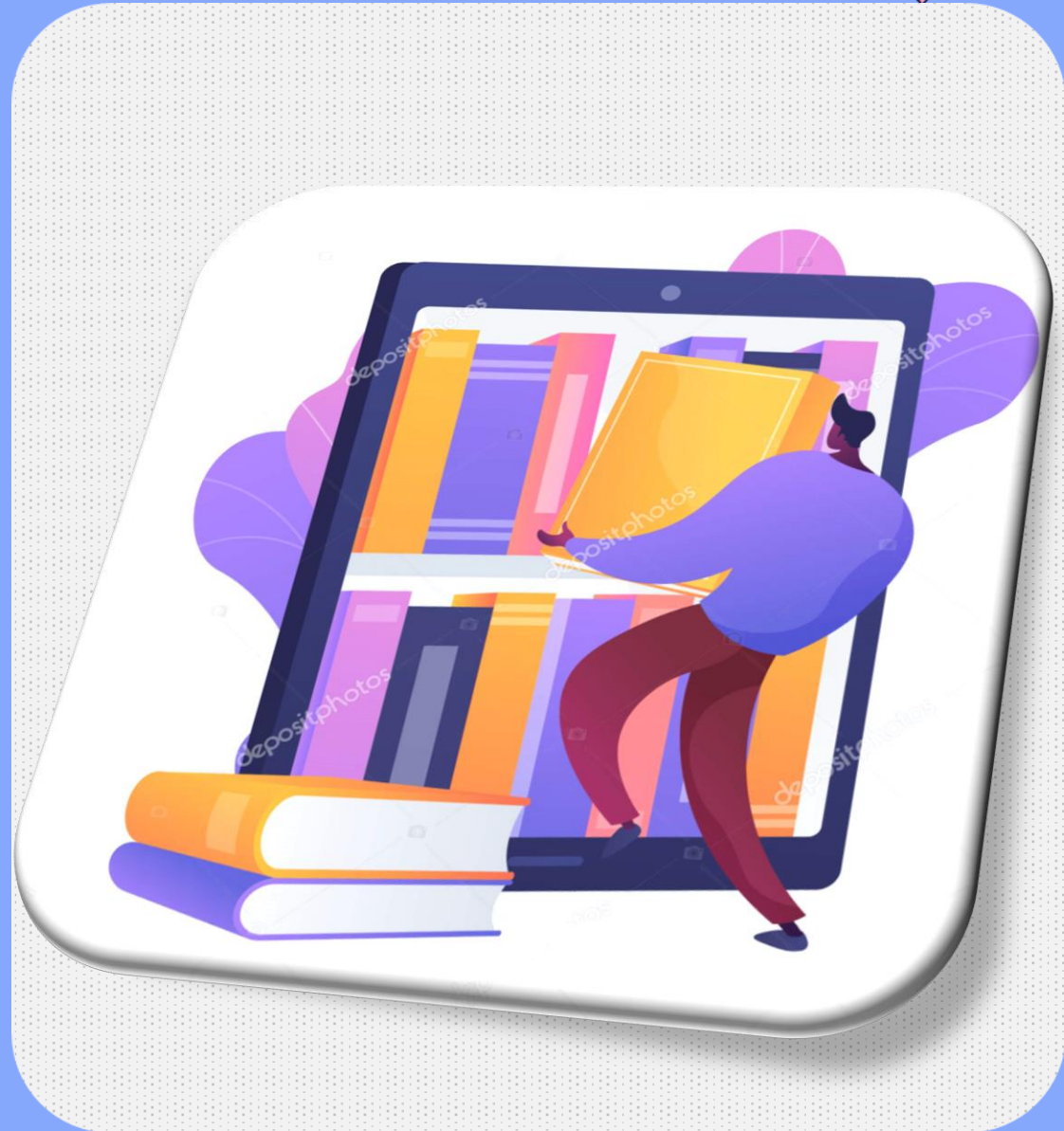
# IT WORKS IN THIS WAY...





# ADVANTAGES OF THIS RECOMMENDER

01. User-Friendly
02. Personalized
03. Flexible & Dynamic
04. Fallback Options
05. Informative & Encourages Exploration



# IMPROVEMENT OPPORTUNITIES...



Searching with two criteria or advanced filtering



Huge dataset



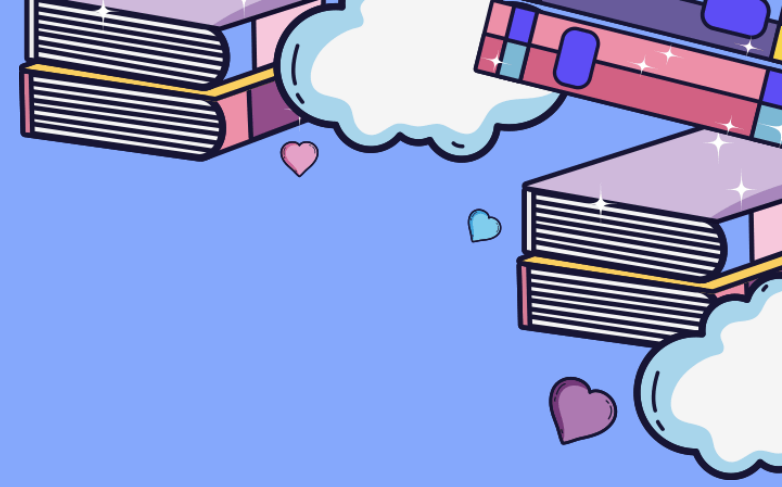
Provide a link to purchase the chosen book.



Expanding the range of genres, such as children's



Handle ambiguous or misspelled





LET'S TRY!



THANKS FOR  
CHOOSING ME!



The background is a solid light blue. It is decorated with several colorful, stylized illustrations of books and book-related items. In the top left, there are several books with colorful spines (purple, pink, blue, green) and yellow and blue covers, some with white stars. In the top right, there are more books, including one with a pink cover and a blue ribbon, and another with a blue cover and a yellow ribbon. In the bottom left, there are books with purple and pink covers, and a small yellow heart. In the bottom right, there are books with blue and red covers, and a small yellow heart. The books are arranged in a way that they appear to be floating or falling, creating a dynamic and playful feel.

# HOW WOULD YOU LIKE TO START ....?

01. TITLE
02. AUTHOR
03. GENRES





