**User Manual**

The application is designed to empower movie enthusiasts, producers, or researchers with data-driven insights into movie trends, actors' collaborations, financial metrics, and more. It offers customized queries to extract valuable information from a movie database, helping users make informed decisions.

**Home Page**

On the home page, users can choose the desired functionality based on their needs. Options include identifying popular genres, exploring actor collaborations, comparing movie platforms, and browsing movies by detailed filters.



**Page 1: Discover Popular Genres**

Input: Season, Year, Minimum Revenue  
This page allows users to explore how genre popularity varies by season and year, filtered by a revenue threshold. Since audience preferences often shift with the time of year, this feature provides insights into seasonal trends in the movie industry. Users can identify which genres resonate most during specific periods, such as action-packed blockbusters in the summer or heartfelt dramas in the winter.

Example: A user selects "summer", "2023", and a minimum revenue of $500,000. The results showcase genres like Action and Comedy, which are traditionally popular during summer months due to their broad appeal to vacationing audiences.

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**Page 2: Explore Actor Collaborations**

Input: Primary Actor Name  
On this page, users can input an actor's name to discover their most frequent co-stars and their shared movie count. This feature highlights strong on-screen partnerships.

*Example*: Searching for "Leonardo DiCaprio" reveals that "Kate Winslet" collaborated with him most frequently.

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**Page 3: Movie Details and Streaming Platforms**

Input: Movie Title  
This page enables users to search for a movie by title, providing detailed information like ranking, overview, runtime, and streaming platform availability.

*Example*: Searching for "Inception" displays its rank, a brief synopsis, runtime, and where it can be streamed, such as Netflix or Hulu.

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**Page 4: Top Streaming Platforms for High-Rated Movies**

Input: Minimum Rating (0–10)  
Users can find which streaming platform offers the most high-rated movies based on a specified minimum rating.

*Example*: Entering a rating of 8 lists "Netflix" as the platform with the highest number of critically acclaimed movies.

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**Page 5: Advanced Movie Search**

Input: Free Text (overview), Genre, Release Date, Minimum Runtime  
This feature allows advanced filtering for movies based on multiple criteria, including storyline keywords, genre, release date, and runtime. The results include detailed movie cards with title, overview, revenue, and viewer ratings.

*Example*: Searching for "adventure," "Action," "2020," and runtime above 120 minutes lists films like "Avengers: Endgame," displaying their revenue and audience reception.

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