

Project Abstract

Team 6

Our aim is to create a joint movie and book cataloguing system. Users will be able to search books, movies, actors, authors, producers etc. They can give ratings and read and write reviews. Users can create libraries for both books and movies, and add the ones they have read/watched or plan to read/watch. They can share their libraries with other users. Based on users' genre preferences and libraries, our system will recommend books and movies.

Our system will provide recommendations based on their liked books and movies. Thus, we will generate recommendations for books(and movies) based on their history in both the domains. This will particularly help motivate users to start reading books, by starting with those that match their movie preferences.

For the core recommendation system service, we are planning to use collaborative filtering and multi-domain recommendation system methods. We will use existing databases of book and movie reviews to train our model.

Currently, there exist similar online applications separately for books(Goodreads) and movies(IMDB), but, to the best of our knowledge, nothing that combines both to generate high-quality recommendations and provide a rich, unified user experience.