SWE Project Abstract

Our aim is to create a social cataloguing system. Users will be able to freely search its database of books and read reviews. Users can create a bookshelf and add the books they have written, read, or plan to read and get suggestions based on what their bookshelf contains.

Our app will take in user data to recommend books to users suitable to their interests. Our model will take in relevant features (favourite genres, favourite author, age group etc.) to provide quality recommendations.

For the core recommendation system model, we are planning to use methods like collaborative filtering. We will use an existing database of book reviews to train our model. And we will be using popular clustering techniques to find similarities among books based on various features as mentioned above.

Another interesting feature is, Users with similar interests will also be able to make groups, share their favourites with others, share their thoughts, review books, and recommend it to other users as well.

Currently, there exist similar online book catalogue applications, one of the most prevalent is goodreads. But, goodreads is not open source and is directly linked to Amazon, leading to privacy issues for some users.