

Developing “CineMatch”

You have to develop a ‘Movie Recommendation System’. You have to use only in-memory data structures. Following are the other details:

- **Description:** Build a simple movie recommendation system.

There must be at least three functionalities of this system:

- a. Users should be able to submit any number of movies and system should keep it stored.
 - b. Users can search for movies, and the system can recommend movies based on genre or ratings.
 - c. User should also be able to delete a movie.
- **Concepts used:** Please ensure that you are at least using any one of the Sorting algorithms, Searching algorithms and data structures like lists, and dictionaries. Your projects would be rated on the basis of “how well you have used these concepts”.
 - **Minimum Features:**
 - Add a new movie with details (like title, genre, rating etc.).
 - Search for movies by title or genre.
 - Recommend top N movies based on rating (using sorting algorithms to find top-rated movies).