

UI Lab 8

Project Scenario & Mental Model

Scenario : User Searches for a Movie Recommendation

- 1) A user visits the movie recommendation website to find similar movies based on their preferences.
- 2) The user enters the name of a movie they like in the search bar. The system processes the request using a machine learning-based recommendation model, retrieves similar movies, and displays them along with relevant details such as a genre, rating and a brief synopsis.
- 3) The user can explore the recommendations, refine their search or look for another movie.
- 4) Mental Model.

1) Goal :- find movies similar to one they already like.

2) Expectation :-

- 1) A simple, user-friendly interface.
- 2) Relevant and high-quality recommendations.
- 3) Quick search and response-time.

3) Actions :

- 1) Visit the website.
- 2) Enter a movie name in the search bar.
- 3) Click the search button.
- 4) View the list of recommendations movies.
- 5) Choose a movie to watch or refine search if needed.

System Perspective

1] Input : Movie title entered by the user.

2] Process :

- Fetch movie data from the database.
- Use the recommendations model to find similar movies.
- Rank the recommendations based on similarity score.

3] Output

- Display 5-10 recommended movies with details.
- Allow the user to refine their search.

Challenges & Considerations

- Performance :- Ensuring fast response time even with a large dataset.
- Accuracy :- Providing high quality recommendations based on user input.
- User Experience :- Making the process smooth and intuitive.
- Scalability :- Handling multiple users simultaneously without performance degradation.