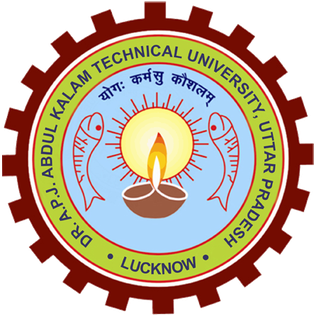
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Software requirement specification on

Recommendation system website



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**INTRODUCTION**

Recommendation System:

* Recommendation System aims to predict user’s interest and recommend product items that quite likely are interesting for them.
* They are among the most powerful machine learning systems that online retailers implement in order to drive sales.
* Data required for recommender systems stems from explicit users ratings after watching a movie or listening a song, from implicit search engine queries and purchase histories, or from other knowledge about the users/items themselves.
* Sites like Spotify, YouTube, Netflix use that data in order to suggest playlist, so- called Daily mixes, or to make video recommendations, respectively.

PROBLEM STATEMENT

* In the recommendation System the problem is trying to forecast the opinion user will have on the dissimilar substance and be able to recommends the finest items to each other.
* Other problems are data sparsity, scalability, and grey sheep.
* Data Sparsity means the data is widely spread; it has null values and missing values.
* Scalability means the prediction is difficult in huge amount of rating items.
* Grey sheep means the problem refers to the users with the unique preferences and tastes that make it difficult to develop accurate profiles.

**FUNCTIONAL REQUIREMENTS**

This section outlines the use cases for each user registered to the website.

* Login use case: The user logins to the system to see what recommendation he/she has.
* View History use case: The user can see his/her past actions.
* View Recommendation use case: The user will be able to view recommendation selected using by their past actions and preferences.
* User Search case: User can search the video according to his/her choice.

**HARDWARE AND SOFTWARE REQUIREMENTS**

* **Hardware Requirements**
* In Recommendation System, user should have a device with valid internet connection, wi-fi or 3G, 4G to be able to keep collection synchronized with cloud.
* RAM- Minimum 2GB (64 bit)
* HARD DISK- 20GB (64 bit)
* **Software Requirements**
* Code Editor -VS code
* Web Browser -Google Chrome, Internet Explorer
* Notepad

REFERENCES

* W3Schools
* Geeks for geeks
* Wikipedia