



Dhirubhai Ambani  
Institute of Information and Communication Technology

## D.B.M.S Project (S.R.S.)

– *By Group 2*



- MEMBERS:**

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## *Introduction*

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In today's fast-paced digital age, finding the **perfect movie or web series** to watch can sometimes feel like an overwhelming task. With an ever-expanding universe of streaming services and an endless array of content at our fingertips, how do we efficiently navigate the cinematic landscape to discover our next entertainment obsession? This is where a platform like ours steps in to revolutionize the way we experience the world of streaming media.

Imagine a single, user-friendly hub that brings together information about all your favourite streaming services, from **Netflix, Amazon Prime, Disney+ Hotstar** along with a list of others, and gives you to effortlessly explore and select your preferred content. Our database is a source of information for the digital entertainment world which simplifies the process of discovering, tracking, and enjoying the **latest movies and web series** available across multiple streaming platforms.

In short, our database is a versatile platform that simplifies the streaming experience by offering universal search, price comparison and a range of other features that empower users to make informed decisions about what to watch and where to find it. It acts as a one-stop destination for streamers, ensuring they never miss out on their favourite content.

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## **Purpose**

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- **Simplify Content Discovery:** The primary purpose of our platform is to simplify the process of discovering movies and web series in the vast digital landscape. We aim to ease the overwhelming task of finding the perfect entertainment by providing a user-friendly solution.
- **Aggregate Streaming Services:** Our platform serves as a centralized hub for information from various streaming services, such as Netflix, Amazon Prime, Disney+ Hotstar, and more. The purpose here is to bring all these services together to streamline the content exploration process.
- **Empower Informed Decisions:** We empower users to make informed decisions by offering features like universal search, price comparison, and other features. This purpose ensures that users can choose what to watch and where to find it without hassle.
- **Enhance the Streaming Experience:** Our goal is to enhance the overall streaming experience for users by providing a range of convenient features. This includes making it easier to track and enjoy the latest content available across multiple platforms.

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## Scope

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- **Content Aggregation:** Our platform covers a wide scope by aggregating information from numerous streaming services. It includes popular platforms like Netflix, Amazon Prime, and Disney+ Hotstar, but extends to a comprehensive list of others as well.
- **Universal Search:** Within the scope of our platform, we offer a universal search feature that allows users to search for movies and web series across all the integrated streaming services. This ensures that users can efficiently find content without needing to search individually on each service.
- **Price Comparison:** We provide a price comparison feature, which falls within our scope, to help users make cost-effective choices by comparing subscription fees and rental/purchase prices across different streaming platforms.
- **User-Centric:** The scope of our platform is user-centric, aiming to cater to the needs and preferences of viewers. We aim to offer a seamless experience that revolves around simplifying content discovery and decision-making for users.

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## Description

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- Imagine a single, user-friendly hub that brings together information about all your favourite streaming services, from Netflix, Amazon Prime, Disney+ Hotstar along with a list of others, and gives you to effortlessly explore and select your preferred content.
- Our database is a source of information for the digital entertainment world, which simplifies the process of discovering, tracking, and enjoying the latest movies and web series available across multiple streaming platforms.
- In short, our database is a versatile platform that simplifies the streaming experience by offering universal search, price comparison, availability alerts, and a range of other features that empower users to make informed decisions about what to watch and where to find it. It acts as a one-stop destination for streamers, ensuring they never miss out on their favourite content.

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## *Background Readings*

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### **“The OTT (Over the Top) Platforms and Movie Watching Experience of the Audience”**

– **M. Sindhu**

– **Prof. C. Vani”**

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- This article was published in the International Journal on Transformations of Media, Journalism & Mass Communication in 2021.
  - It explores the impact of Over the Top (OTT) platforms on the movie-watching experience of audiences.
  - The study focuses on how OTT platforms like Amazon Prime, Hotstar, and Netflix have gained popularity, especially during the COVID-19 lockdown.
  - It discusses the factors contributing to the growth of OTT platforms, including increased internet access and the availability of content on mobile phones, PCs, and smart televisions.
  - The article highlights that while OTT platforms offer a wide variety of content and convenience, they may not fully replace the experience of watching movies in theatres.
  - It also discusses how OTT platforms have divided their audience based on subscription charges and the impact of this division on the movie-watching experience.
  - The study aims to understand the attitudes of film audiences and their experiences with OTT platforms, emphasizing the shift in movie consumption habits.
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- Overall, the article provides insights into the changing landscape of media and entertainment, with OTT platforms becoming a significant player in the industry and impacting traditional movie theatres and television.

Link for the above article:

[The OTT Over the Top Platforms and Movie.pdf](#)

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## **“A study on User Perspective on OTT (Over the Top) Platforms in India”**

– **Dr. Swati Manoj Yeole**

– **Dr. Lambodar Saha**

– **Prof. Charulata Bhaisare**

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- The article begins by highlighting the evolution of entertainment consumption, from CD players to cable TV to the emergence of OTT platforms. It emphasizes the convenience, variety of content, and user-friendly nature of OTT platforms, which have led to a surge in subscriptions, especially in the wake of the COVID-19 pandemic.
- The article mentions that India has witnessed significant growth in smartphone users, making it the second-largest market for smartphones globally. The increasing demand for video content, particularly among Indian consumers, has driven the growth of OTT platforms. Deloitte's report estimates that the video streaming subscription market reached approximately 8 billion US dollars in 2020.
- The study identifies several key factors influencing the usage of OTT platforms:

Variety of Content: Users are drawn to OTT platforms because of the diverse range of content they offer, including movies, series, and shows across different genres.

Cost-Effectiveness: The cost of subscribing to OTT platforms is a significant factor in user choices, with many users finding it more budget-friendly than traditional cable TV.

User Control: OTT platforms offer users the freedom to watch content at their convenience, choose from various subscription options, and access content on mobile devices, providing a high level of control.
- The article provides statistical analysis using ANOVA tests to support these findings. It also discusses the demographic characteristics of the survey respondents, such as age, gender, income, and area (urban or rural).
- In conclusion, the study highlights the growing influence of OTT platforms in India, driven by factors like content variety, cost-effectiveness, and user control.
- It suggests that these platforms have become a significant part of entertainment consumption for a wide range of users, particularly in urban areas.

- The article also suggests potential areas for future research in this domain.

Link for the above article:

[https://1drv.ms/b/s!AtadBlbzXxUthmW\\_c6j9B4qoTgfn?e=GHSGxW](https://1drv.ms/b/s!AtadBlbzXxUthmW_c6j9B4qoTgfn?e=GHSGxW)

### **LIST OF REQUIREMENTS (AFTER REFERRING TO BACKGROUND READINGS):**

Features which are mentioned below are important foremost:

- Search by Name
- Search by Year of Release
- Search by Genre
- Age limit (for all, 13+, 18+)
- Time spans of the movie/number of episodes/seasons for a web series
- Earnings of the movies
- Search by Language
- Search by Actor/Actress
- Search by director

Other requirement is data about all types of movies and web series.

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## *Interviews*

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### **INTERVIEW PLAN:**

➤ **Participants:**

- Dev Marvaniya
- Nisarg kasundra
- Shivani Boda
- Piyush Kansangra

**Date:** 19/09/2023

**Time:** 3:30

**Duration:** 30 minutes

**Venue:** Online meeting and at Jamnagar

➤ **Purpose of interview:**

- Evaluate feature usefulness. Whether the given feature is useful for different age groups or not.
- And also, to gather information for feature enhancement. Which extra feature is required by the user and also which changes the user wants in the given features.

➤ **Agenda:**

- Welcome the participants to our interview place or in the online meeting if we are meeting virtually.
- Then give a brief introduction of our project and the existing features we would be providing to our users.
- After introduction, we will take reviews from the participants of our survey (users) regarding how the given existing features are useful to them and any issues they face on other platforms during searching the movies/Web series or accessing them.
- Then we would be taking suggestions from them regarding any other extra features which they want us to include in our data.
- Then the meeting for the survey would be ended by providing our contact if later they find any other updates in data to be added.

➤ **Documents to be brought to the survey:**

- Google form: For general survey among wide range of people.
- Physical Pen paper: For noting down the suggestions of the people for whom we conducted one to one interview.

## QUESTIONNAIRE:

1. How is your overall experience using our data/service?
2. Here we could search movies/Web series according to year or release, IMDB rating, actors, genre and language. Are these ways useful. Do you want any other way of searching?
3. We will be providing the data of movies/web series which include lead actors, director year of release and languages in which movie is available. How much is this data useful. Do you want any other data when you search for a particular movie/web series?
4. We will be having an offer which will provide, subscriptions to OTT platforms at a price less than the original price and will have special discounts at some festivals or some special events. How would you rate this scheme? Any suggestions to modify the scheme?
5. Which other filters or facilities can be added for accessing the data/ for organizing data about Movies and Web series?

## SURVEY SUMMARY:

### ➤ **Participants:**

- Dev Marvaniya
- Nisarg kasundra
- Shivani Boda
- Piyush Kansangra

**Date:** 19/09/2023

**Time:** 3:30

**Duration:** 30 minutes

**Venue:** Online meeting and at Jamnagar

### ➤ **Summary of the survey and google forms:**

- Overall, the survey helped identify areas of satisfaction and provided valuable insights to enhance our database's functionality and content.
- We look forward to implementing user suggestions and improve the database based on user needs. Participants were encouraged to contact us with any further feedback or ideas for database enhancement.

Features which are mentioned below are important foremost:

- Search by Name
- Search by Year of Release
- Search by Genre
- Search by Language
- Search by Actor/Actress

Above mentioned are only common features another feature mentioned below is suggested by people through the medium of interview:



- Add list of favourites for users.
- Make Gujarati movies available as they are not available in majority OTT platforms.

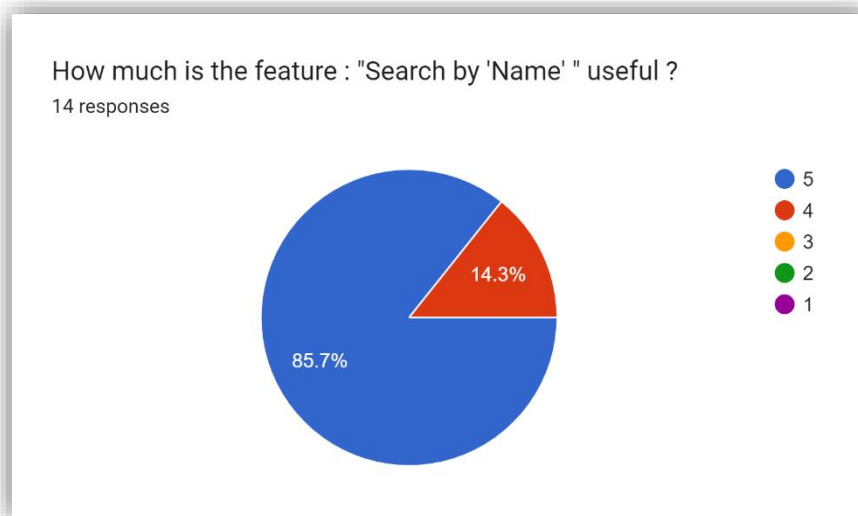
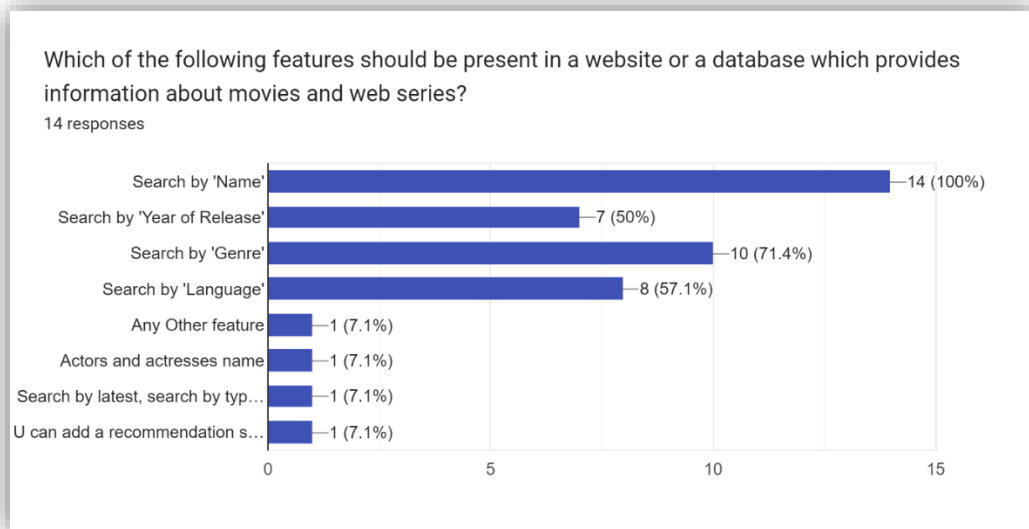
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## *Results of Surveys*

*(Using questionnaire by Google forms)*

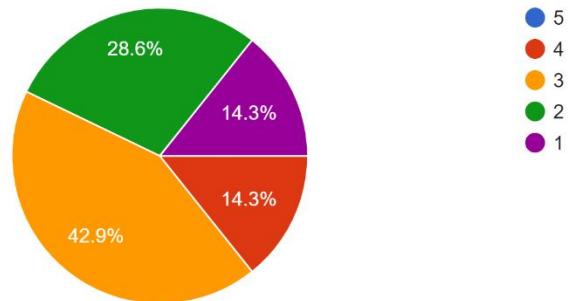
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**Following are the results obtained by google forms:**



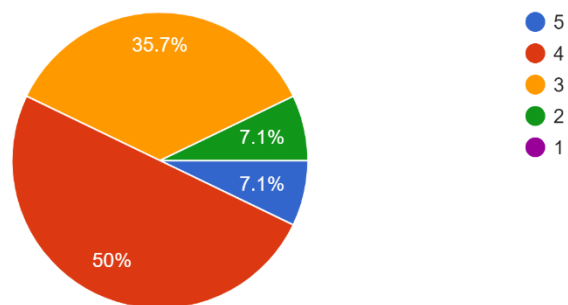
How much is the feature : "Search by 'Year of Release' " useful ?

14 responses



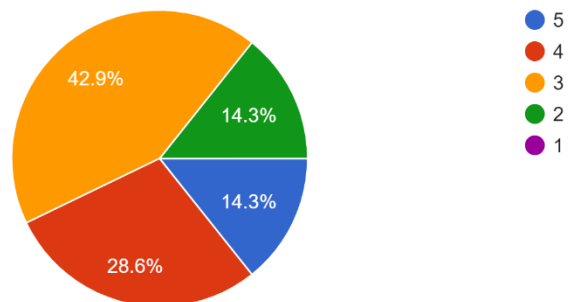
How much is the feature : "Search by 'Genre' " useful ?

14 responses



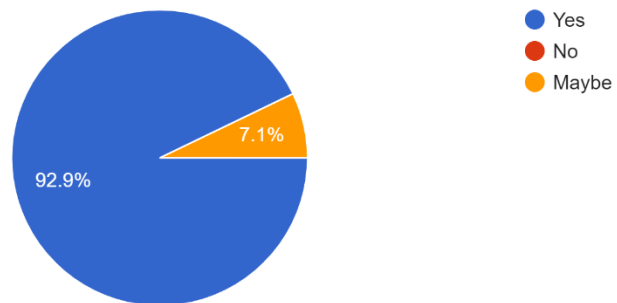
How much is the feature : "Search by 'Language' " useful ?

14 responses



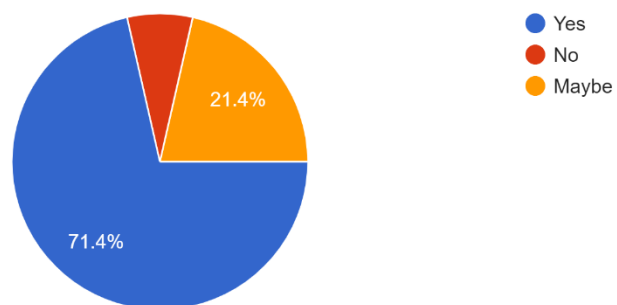
Should there be a feature which searches movie or web series of a particular actor/actress?

14 responses



Would you prefer a site which will provide offers on subscriptions of OTT Platforms or will have special discounts at some festivals or some special events on subscriptions of OTT Platforms?

14 responses



Any comments on our work? Or any suggestions from your side for any other features you want then please mention them.

14 responses

No

must also mention searching movie by letters,,also search results for multiple actors together in film,, and maybe by IMDb rating.

Na

You can add short backstory/history of every movie.

Fav watchlist

You can also include ratings of all the movies and shows and include a sorting option which sorts by rating or date released or wtv. Also you can manage the lists of users who watch those movies and shows and what age group do they belong to. How much traffic does a specific movie or a show gets. Basically the user traffic on your streaming website. All the best guys!

Search by rating like IMDb and concept like scam , mission etc

Can use way more sorting categories, thode Netflix se uthadena, otherwise really good

The reason for answering no in the above question is that it would just deviate from DBMS so I féel instead u need to work more on finding possible complex relation, tables cause I see only a single table which is movies/tv shows etc which is what I felt I understood from this form also check out <https://myflixerx.to> I feel this could help u

Every movie or series can have a short summary or the base of it written. Options of categories for the movie or series should be provided.

Continue Watching

No suggestion

Search by actor

## LIST OF REQUIREMENTS (AFTER SURVEYING THROUGH GOOGLE FORMS):

Features which are mentioned below are important foremost:

- Search by Name
- Search by Year of Release
- Search by Genre
- Search by Language
- Search by Actor/Actress

Above mentioned are only common features another feature mentioned below is suggested by people through the medium of google forms:

- Sort By IMDb Ratings
- Provide description of the the movies/Web series when user search for them.

## *Fact Finding Chart*

<b>OBJECTIVES</b>	<b>TECHNIQUES</b>	<b>SUBJECTS</b>	<b>TIME</b>
Initiating by deciding the topic and basic idea of database	Group discussion	<b>Friends, Classmates and Family Members</b>	<b>5 to 10 Minutes each</b>
Search for OTT platforms Are they free/paid?	Research on internet and referring to the background readings		
What data are we going to include In our database	Group discussion		
Study of sites that provides similar facilities like ours	Research on internet and group discussion		
Taking review of overall database form users	Interview / google form		
Know about what additional features can be added what improvements can be made.	Interview / Google Forms (Surveys) / Background Readings		
Know about problems which users were facing in other OTT platforms	Interview / google form		
Improve user experience	Interview / google form		

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## *Functionalities and Requirements*

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The functionalities and requirements gathered after combining conclusions from Background Readings, Interviews and Surveys (Google Forms) are listed below:

### **A. Features for all users:**

- Search by Name
  - This feature provides us to search the web series or movie by their name.
- Search by Year of Release
  - This feature allows users to search the movie or web series by the year in which they were released.
- Search by Genre
  - This feature allows users to search by the genre of the movie.
- Data about Gujarati movies would be available as it is not available at most of the platforms.
- Search by Actor/Actress
  - This feature allows users to search by actor/actresses present in the movie/web series.
- Search by director
  - This feature allows users to search by director of the movie/web series.
- Sort By IMDb Ratings
  - This feature allows users to see the IMDb rating of the movie/web series.

### **B. Features for **GOLD Membership** Users:**

- All the features available to free users.
- Provide description of movies
  - This feature provides the users a facility to view a one- or two-line description of that particular.
- Time spans of the movie/web series
  - This feature allows Gold Membership users to see the time span of that movie/web series.
- Add list of favourites for users
  - This feature provides users to add their favourite movie or web series to the '**FAVOURITES**' list.

- Earnings of the movies
  - This feature provides information about the earnings of the movie.
- 3-D view:
  - This feature allows this type of users to watch the movie/web series in ‘3-D (3- Dimensional)’ mode.

### C. Features for **PLATINUM Membership** Users:

- All the features available to **GOLD Membership** users.
- Quality of available movie/web series
  - This feature represents availability of quality in which movie/web series are available.
- Download Availability
  - This feature allows the user of this category to download that specific movie/web series to their device.
- Virtual Reality
  - This feature allows this type of users to watch the movie/web series in ‘Virtual Reality’ mode.
- Number of devices
  - This type of user is allowed to access from 5 devices at one-time.
- ‘Watch Party’
  - This type of user is allowed to watch same movie or web series at same time from different places at same time.

### D. Features for Student users:

- All the features available to free users.
- Age limit (for all, 13+, 18+)
  - The students would be allowed access to the specific content according to their age limit.



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## *User Classes and their characteristics*

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- Types Of Users:

- a) Free Users

- This type of users are those who have only registered on our website.
    - This type of users have access to free features and free services of OTT apps.
    - They are limited to only some specific data and services of the database/website.

- b) Gold Membership Users:

- This type of users are those who have bought “**GOLD Membership**” of our website.
    - This type of users have access to all the features that are accessed by free users as well as access to some additional features and services.
    - They are given access to more quantity of data and services of database/website than free users.
    - This type of user will be able to access to the ‘Best Subscription’ of any three OTT Apps out of 12 OTT Apps.

- c) Platinum Membership Users:

- This type of users are those who have bought “**PLATINUM Membership**” of our website.
    - This type of users have access to all the features and Paid services of all the OTT apps available on our site.
    - They are given access to complete data and services of database/website.

- d) Student User:

- This type of users are those who have registered through their “Student I’d” on our website.
    - They get access to features and services more than free users but less than GOLD Membership users.
    - They get access to data and services of database/website for only specific period of time (2 months probably).

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## *Privileges*

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- This Website/Database gives information about numerous OTT Series and Movies at one place.
- This Website/Database also provides information about ‘Paid Subscriptions’ of various OTT apps.
- It also provides offers on OTT subscriptions on basis of Paid membership or types of users.
- It also provides an access of Paid memberships as “Trial Of WEEK” for period of one week to the respective users.
- It displays special offers on ‘Paid Subscription’ on occasions or festivals which may not be available on original OTT apps.
- It also provides special rewards to old users which have been using our database/Website regularly for a long period of time (Three or more years).

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## *Assumptions*

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- Data sources: We will be able to get the data from various OTT platforms about their movies/Web series i.e., the data we want from the platform.
- Price comparison: We assume that we are be able to provide offers to the users of subscription various OTT platform.
- Data updates: We assume that we update data of movies/Web series time to time so that users can access to the latest movies and web series.
- Dynamic nature: The streaming nature would be dynamic, the services provided would change if a free user applies for gold membership or a gold user applies for platinum membership or a paid user discontinues their membership, then the data of the user should be replaced from paid to normal user or vice versa.
- Scalability: If the number of users increase in our website, then we would be able to handle the large number of users that are trying to use the data at the same time.
- We can provide facility to download movies/web series on the device.
- We will be able to provide all movies/ web series in 2D, 3D and VR (virtual reality) according to different categories of users.
- At our website we will be able to provide the facility to users where multiple users (maximum 4-5) can watch movie together with the feature of live chatting.

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## *Contributions*

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- ❖ 202203002 (Mit Mehta)
  - Understand & Complete the Description of the Case Study/Problem Domain
  - Background Reading/s
  - Questionnaire/s
  - List All Final Functional Requirements
  - User Classes and Characteristics
  - Privileges
  
- ❖ 202203008 (Dhruv Parmar)
  - Understand & Complete the Description of the Case Study/Problem Domain
  - Background Reading/s
  - List All Final Functional Requirements
  - Privileges
  
- ❖ 202203014 (Rutvi Chauhan)
  - Understand & Complete the Description of the Case Study/Problem Domain
  - List All Final Functional Requirements
  - Create Fact Finding Chart
  
- ❖ 202203043 (Pritesh Vadher)
  - Understand & Complete the Description of the Case Study/Problem Domain
  - Questionnaire/s
  - List All Final Functional Requirements
  - Assumptions
  
- ❖ 202203067 (Bhavya Boda)
  - Understand & Complete the Description of the Case Study/Problem Domain
  - Interview/s
  - Questionnaire/s
  - Create Fact Finding Chart
  - List All Final Functional Requirements
  - Assumptions