# ABSTRACT

Although, there are some movie database online, most of them are not specific to each and every user. Some users are not interested in many movies on those databases and their ratings do not offer much help to them when choosing movies. Our movie database full-fills this need of users. Since all of our project's developers are college students, we can understand what different generations would like to watch.

Proper database management systems help increase organizational accessibility to data which in turn helps the end users share the data quickly and effectively across the organization. A management system helps get quick solutions to database queries, thus making data access faster and more accurate.

# INTRODUCTION

**Yourmovies** is a dynamic web application created for the purpose of viewing basic information about movies such as casting, trailers, ratings .

It is designed as a one-stop destination for the user to access the movies that are Coming Soon, In Theatres or DVD/Blu-ray/Digital.

Besides displaying the ratings from popular websites such as IMDB and Rotten Tomatoes, it will also provide links to trailers and other related information like links to songs of the movie and many more. For the movies available in DVD/Digital versions, it provides the links to buy/stream them online.

In addition to these, it will also suggests the similar movies that might interest the user.

# SCOPE

Movie Database API project is a prototype for yourmovies which will ease fetching data related to a particular movie and similar movies and to create a convenient and easy -to -use application for users, developing for general purpose and it is used to give all the details related to a movie by just one click.

# OBJECTIVE

The objective of an API based yourmovies project could be to provide a platform for users to access and search for information about movies.

The system could use an API to gather movie data from various sources and provide it to users through a web or mobile application.

Some specific objectives of the project include:

1. Providing a user-friendly interface for users to search for movies and view movie details, such as the plot, cast, crew, and ratings.
2. Implementing a database schema to store and manage movie data, release dates, genres, and reviews.
3. Integrating with external APIs or data sources to retrieve additional movie information, such as movie posters, trailers, and reviews.
4. Allowing users to create accounts, save favourite movies, and submit their own reviews or ratings.

5. Ensuring the system is secure, scalable, and optimized for performance to handle large volumes of requests and data.

# SYSTEM ARCHTITECTURE

**SYSTEM REQUIREMENTS**

System requirements are the required specification the device must have in order to use certain hardware or software. For example, a computer may require a specific I/O port to work with a peripheral device. A Smartphone may need a specific operating system to run a particular app.

**SOFTWARE REQUIREMENTS**

**Operating system :**

**Any Database** **:** MySQL

**Frontend :** HTML, CSS, JavaScript

**Application Server :** PHP

**Framework :** Bootstrap

**HARDWARE RESOURCE REQUIREMENTS**

**Hard Disk :** 500 GB and Above

**Processor :** Intel Dual Core

**Processor Speed :** 1 GHz and Above

**Ram :** 8GB and 64 bit OS Above

**MODULE**

* **Requirements and gathering**
* This module includes basic research of the project and technologies that will be used in the project.
* **Development [code]**
* This module will include the front end and backend development of the website using different languages like HTML,CSS and Javascript.
* **Designing [SEO Basics]**
* This module will include making a website SEO-friendly that Google and other search engines can crawl each page on the website efficiently, interpret the content effectively, and index it in their database. It will include Conducting keyword research, Creating a URL structure that is optimized for users and search engines.
* **Animations and content**
* This module will include the addition of the API of movies database and all the movies data and content related to the movies like trailer links, songs, and basic information like cast, running time etc.
* **Additional customization/Title/Taglines**
* This module will include Creating a responsive website design that provides a great experience across devices. Using title tags, header tags, image alt tags, and the meta description tag correctly.
* **Admin**
* Admin module allows system administrator to set up back-end of the system and perform basic system configuration, mainly definition of predefined drop-down fields, definition of classes time schedule, etc.
* All the new packages and promo bundles as well as new prices and price types for classes, new subjects offered, etc. are defined here.
* **User**
* The user module allows users to register, log in, and log out. Users benefit from being able to sign on because this associates content they create with their account and allows various permissions to be set for their roles.
* The user module supports user roles, which can be set up with fine-grained permissions allowing each role to do only what the administrator permits.
* **Launch of the Website**
* This module shall comprise the final launch of the website

**TECHNOLOGY**

* **Frontend:-** HTML, CSS, JavaScript, Bootstrap
* **Backend:-** My SQL, JavaScript
* **Database:-** IMDB REFERENCE

# CONCLUSION

Yourmovies is a web application developed as a handy one-stop destination for a user who is interested to see the rating , trailers , showtimes and streaming information of movies.

It is succesfull in meeting the application requirement and there is a lot of scope for future development.

However there are few challenges faced and drawbacks in this application , which would be taken of during the future works.