



Portal for Movie Recommendation

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ABSTRACT

The idea behind this project is to help users in making decisions to choose movies with respect to their priority. - The primary goal of movie recommendation systems is to filter and predict only those movies that a corresponding user is most likely to want to watch. The basic concept behind a movie recommendation system is quite simple. In particular, there are two main elements in every recommender system: users and items. The system generates movie predictions for its users, while items are the movies themselves.

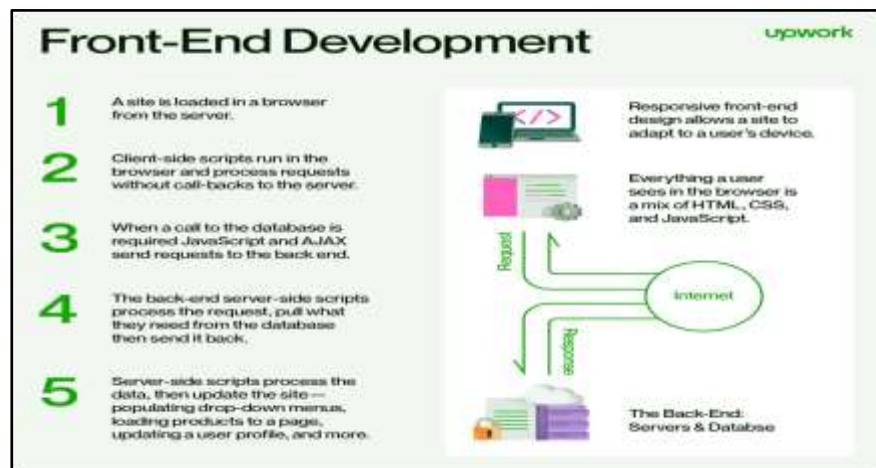
I. INTRODUCTION

In today's world where the internet has become an important part of human life, users often face the problem of too much choice. Right from looking for a motel to looking for good investment options, there is too much information available. To help the users cope with this information explosion, companies have deployed recommendation systems to guide their users. The research in the area of recommendation systems has been going on for several decades now, but the interest still remains high because of the abundance of practical applications and the problem rich domain. A number of such online recommendation systems implemented and used are the recommendation system for books at Amazon.com, for movies at MovieLens.org, CDs at CDNow.com (from Amazon.com), etc. Recommender Systems generate recommendations; the user may accept them according to their choice and may also provide, immediately or at a next stage, an implicit or explicit feedback. The actions of the users and their feedback can be stored in the recommender database and may be used for generating new recommendations in the next user-system interactions. The economic potential of these recommender systems has led some of the biggest e-commerce websites (like Amazon.com, snapdeal.com) and the online movie rental company Netflix to make these systems a salient part of their websites. High quality personalized recommendations add another dimension to user experience. The web personalized recommendation systems are recently applied to provide different types of customized information to their respective users. These systems can be applied in various types of applications and are very common nowadays.

II. METHODOLOGY

Front-end Development

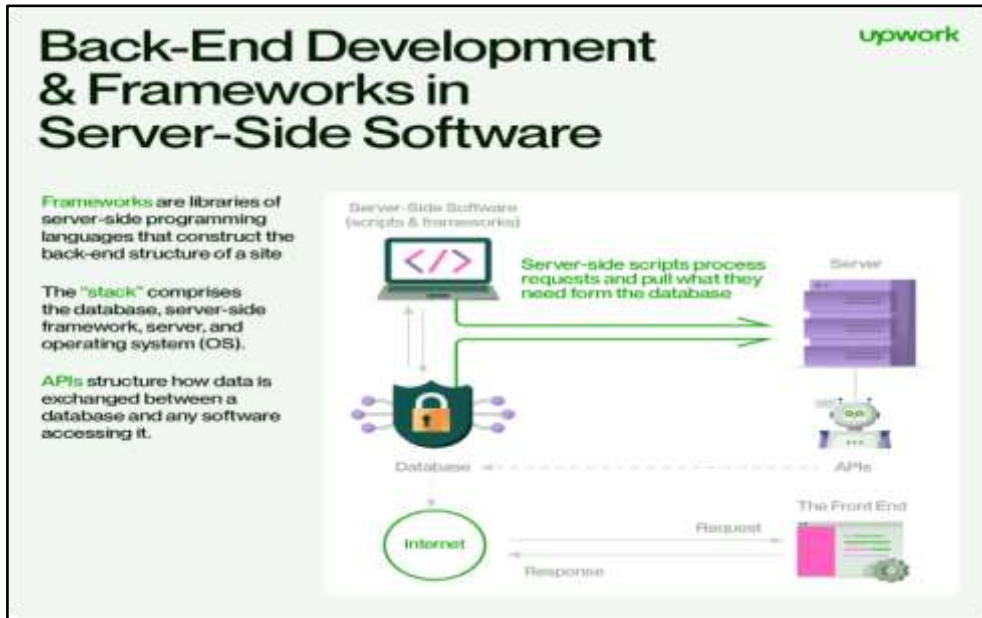
Front-end web development is the development of the graphical user interface of a website, through the use of HTML, CSS, and JavaScript, so that users can view and interact with that website.



Source: <https://www.upwork.com/>

Back-end Development

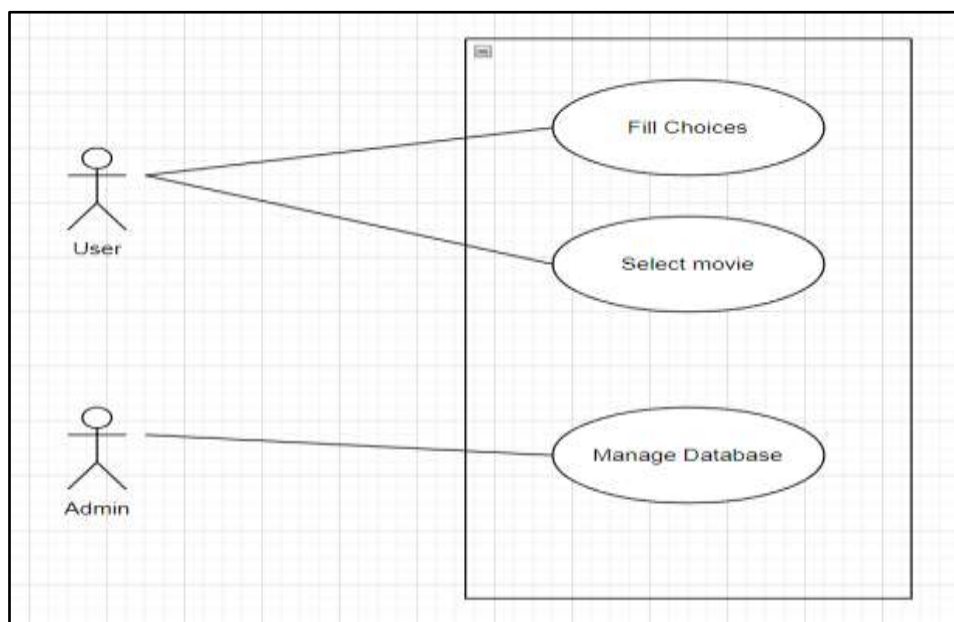
Back-end development refers to the development of server-side logic that powers websites and apps from behind the scenes. It includes all the code needed to build out the database, server, and application. From database migrations to API integrations to setting up the server-side technologies that make a website tick, a back-end web developer may be the talent you need to get your next web project off the ground. The “traditional” back end is a mix of the server, databases, APIs, and operating systems that power an app’s front end. For an in-depth look at the software that ties it all together, read our article on Server-Side Scripting. The back end of applications can look very different from application to application, whether it’s the use of cloud-based servers and data warehouses, containerization with a service like Docker, Backend-as-a-Service (BaaS) providers, or APIs to replace more complex processing.

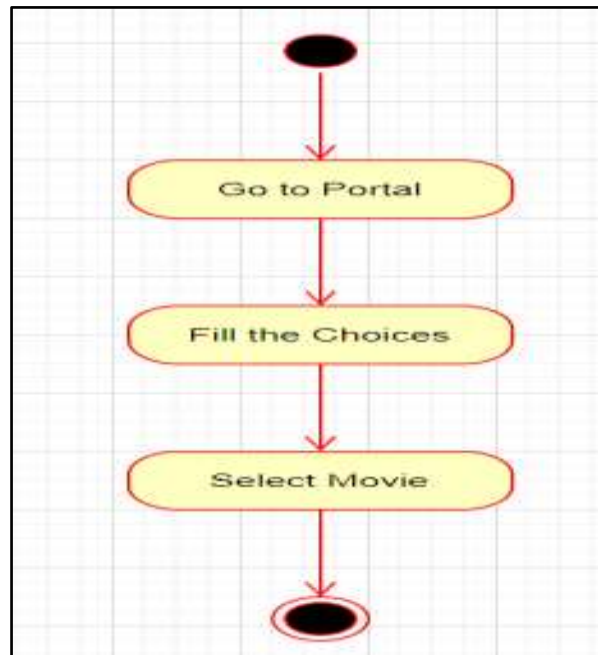
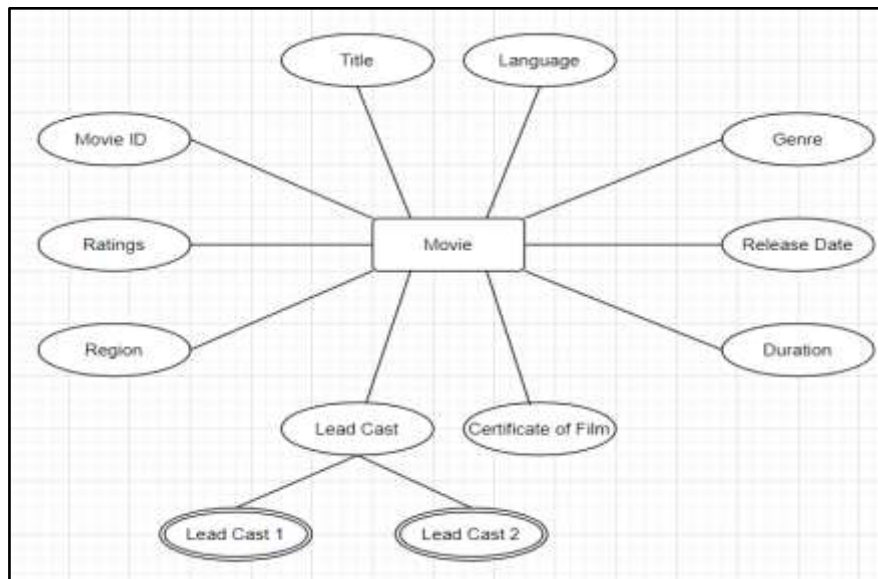


Source: <https://www.upwork.com/>

III. MODELING AND ANALYSIS

Use Case Diagram



Activity Diagram**ER Diagram****Tools Used:****VS Code**

Visual Studio Code, also commonly referred to as VS Code, is a [source-code editor](#) made by [Microsoft](#) with the [Electron Framework](#), for [Windows](#), [Linux](#) and [macOS](#). Features include support for [debugging](#), [syntax highlighting](#), intelligent code completion, [snippets](#), [code refactoring](#), and embedded [Git](#). Users can change the [theme](#), [keyboard shortcuts](#), preferences, and install [extensions](#) that add additional functionality.

In the [Stack Overflow](#) 2021 Developer Survey, Visual Studio Code was ranked the most popular developer environment tool among 82,000 respondents, with 70% reporting that they use it.

XAMPP

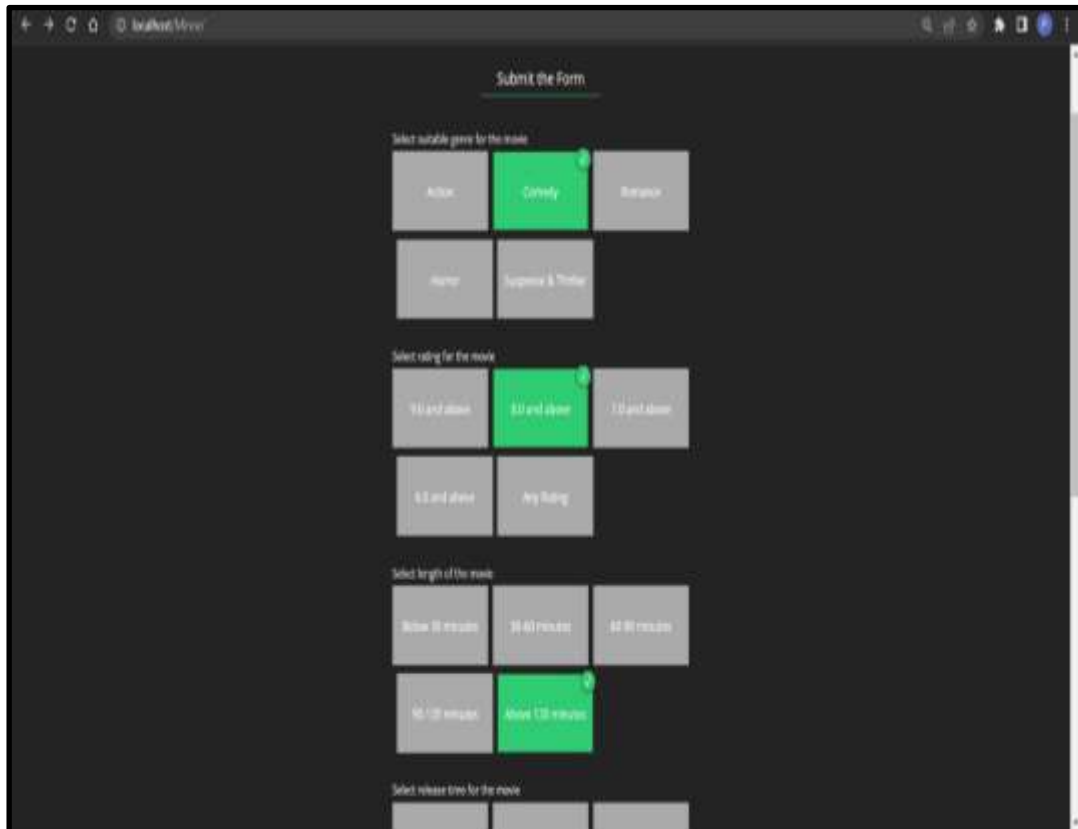
XAMPP is an abbreviation where X stands for Cross-Platform, A stands for Apache, M stands for MYSQL, and the Ps stand for PHP and Perl, respectively. It is an open-source package of web solutions that includes Apache distribution for many servers and command-line executables along with modules such as Apache server, MariaDB, PHP, and Perl.

XAMPP helps a local host or server to test its website and clients via computers and laptops before releasing it to the main server. It is a platform that furnishes a suitable environment to test and verify the working of projects based on Apache, Perl, MySQL database, and PHP through the system of the host itself. Among these technologies, Perl is a programming language used for web development, PHP is a backend scripting language, and MariaDB is the most vividly used database developed by MySQL.

IV. RESULTS AND DISCUSSION

The portal created recommend movies to users according to the choices filled by them in the questions asked on the portal to them. The screenshots of the portal are given below.

Screenshots:



The screenshot shows a web form titled "Submit the Form" with the following sections:

- Select suitable genre for the movie:** A grid of buttons for "Action", "Comedy", "Drama", "Horror", "Suspense & Thriller", and "Romance". The "Comedy" button is highlighted in green.
- Select rating for the movie:** A grid of buttons for "9.0 and above", "8.0 and above", "7.0 and above", "6.0 and above", and "Any Rating". The "8.0 and above" button is highlighted in green.
- Select length of the movie:** A grid of buttons for "Below 60 minutes", "60-90 minutes", "90-120 minutes", "Above 120 minutes", and "Any Rating". The "Above 120 minutes" button is highlighted in green.
- Select release time for the movie:** A grid of buttons for "1990-2000", "2000-2010", and "2010-2020".



The screenshot shows a table titled "Movies List" with the following data:

Movie Name	Genre	Rating
Bandit Ki Barfi	Comedy	8.0

A screenshot of a web application interface showing a table of movie recommendations. The table has three columns: 'Movie Name', 'Genre', and 'Rating'. The first row contains the movie 'Eternals' with a rating of 8.8.

Movie Name	Genre	Rating
Eternals	Action	8.8

V. CONCLUSION

We often see people struggling to find a movie to watch. This portal will help people find movies very fast and save their time to ask for suggestions from friends. Also, movies are an entertainment field, and it is growing day by day so there is a large amount of audience who spend their time watching movie field. This will get them to find the best results in the least amount of time with their choice and need.

VI. ACKNOWLEDGEMENTS

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VI. REFERENCES

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