



MOVIE VERSE: NIGHT OWLS

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CERTIFICATE

This is to certify that phase I of the project work, entitled "MOVIEVERSE: NIGHT OWLS" is a bonafide work carried out by

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In partial fulfillment for the award of degree of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi During the academic year 2021-22. It is certified that all the corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic Requirements.

Signature of the Internal Guide

**Signature of the HOD
(Prof . Thejaswini)**

**Signature of the Principal
(Mr.Sudhan)
(Dr.Mahabaleshwarappa)**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

We, IJA JAYADURGA, ALAPATI NAGA PRIYA MANI CHANDANA, SWETHA SASIDHARAN here by declare that the entire phase-I work of the project titled “MOVIEVERSE :NIGHT OWLS” embodied in this project report has been carried out by us during the 2 semester of BE degree at MVJCE, Bangalore under the esteemed guidance of Ms Thejaswini, Associate Professor, Dept. of CSE, MVJCE affiliated to Visvesvaraya Technological University, Belagavi. The work embodied in this dissertation work is original and it has not been submitted in part or full for any other degree in any University.

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ABSTRACT

MOVIEVERSE - Night Owls is a website for a cinema enthusiast. This website provides top picked/latest movies based on genre, drama, web-series, anime etc. It comes in handy when you are in search of a movie based on your choice and language. It aims to give users a better experience on finding movies. A movie website is important in our social life due to its strength in providing enhanced entertainment. Such a website can suggest a set of movies to users based on their interest, or the popularities of the movies.

Although, a set of such websites have been proposed, most of these either cannot recommend a movie to the existing users efficiently or to a new user by any means or provide accurate rating, link etc. In this paper we propose a movie website that has the ability to suggest movies to a new user as well as the others. A lot of factors can be considered while designing a movie website like the genre of the movie, artists present in it or even the rating of the movie.

ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany a successful completion of any task would be incomplete without the mention of people who made it possible, success is the epitome of hard work and perseverance, but steadfast of all is encouraging guidance.

So, with gratitude we acknowledge all those whose guidance and encouragement served as a beacon of light and crowned our effort with success.

We are thankful to our principal **Dr.Mahabaleshwarappa**, for his encouragement and support throughout the project work.

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CHAPTER 1: INTRODUCTION

The booming technology of the modern world has given rise to the enormous movie websites. This makes the viewers to watch the best movies to read as movies play a vital role in many people's life. The various kinds of movies come into existence on daily basis. So in order to eliminate this critical situation the recommendation system has been introduced in which the suggestion on the various movies can be provided based on the analysis of the viewers interest. Every user has different likes and dislikes. In addition, even the taste of a single customer can differ depending on a large number of aspects, such as mood, season, or type of activity the user is performing. For an instance, the type of music one would prefer to listen during exercising varies critically from the type of music he would listen to while preparing dinner. They must discover new areas to determine more about the customer, whilst still determining almost all of what is already known about of the customer.

A Movieverse is a type of information filtering system which challenges to assume the priorities of a user, and make recommendations on the basis of user's priorities. Huge range of applications of recommendation systems are provided to the user. We have created a website using HTML, CSS and JavaScript in an efficient and reliable way for the avid viewers out there, who are on a search for their next watch. We recommend movies categorized by anime, genre and TV Dramas, Web Series. The organized presentation of the options makes it easier to navigate through the website. Our goal for this project is to provide the user with our handpicked selection of movies and easy searching availability.

CHAPTER 2: LITERATURE SURVEY

Although streaming services provide on-demand entertainment that would've been unthinkable even a few years ago, seeing a film with friends remains an important ritual for many of us. So what's behind our ongoing love of movies? And is it just about being entertained, or do we get something deeper from the films we watch?

Going to the movies is not only about blowing off steam and having a laugh, explain the five experts interviewed for this article. Watching a film can also be a way of appreciating art (in a format more accessible to many of us than a gallery) and learning lessons about ourselves and the world. "We can learn a huge amount about certain moments in time or certain perceptions of moments in time". In other words, films can shape the way we're making sense of the world we're living in right now — regardless of the period they're set in.

Films can drive social change

Films have always inspired social change due to their ability to teach viewers about experiences outside their own perspective, inspire empathy, and raise politically charged questions. In 2004, *The Day After Tomorrow* helped increase awareness on climate change, Yale researchers found. The 2013 documentary *Blackfish* sparked public outcry that culminated in SeaWorld announcing the closure of its controversial orca show, and in Australia, *Priscilla: Queen of the Desert* (1994) was pivotal in introducing LGBTQ themes to mainstream audiences.

Our website is convenient and user-friendly for easy access to the users. The added features in our website provides a quick way to watch a movie according to viewers choice of interests. The website – NIGHT OWLS thus comes into picture. This website stands out from the other websites by providing the IMDB ratings and the links unlike other websites where links aren't provided. Source code editor such as Visual Studio Code, also commonly referred to as VS Code, made by Microsoft was used. Features include support for debugging, syntax highlighting, intelligent code completion. A relevant recommendation changes the typical dynamic of being online: rather than needing to search to find content, recommendations finds the

content for you. Source code is the set of instructions and statements written by a programmer using a computer programming language. This code is later translated into machine language by a compiler. The translated code is referred to as object code. Source code editor such as Visual Studio Code, also commonly referred to as VS Code, made by Microsoft was used. Features include support for debugging, syntax highlighting, intelligent code completion. Client side scripting languages - HTML, CSS and JavaScript were implemented. HTML or Hypertext Markup Language was used to structure the web page and its contents. For example the content could be structured within a set of paragraphs, a list of bulleted points and images. CSS or Cascading Style Sheets was used to style and layout the web pages for example, to alter the font, colour, size, and spacing of the content and add animations. JavaScript was used to control multimedia and animate images.

CHAPTER 3: MODEL ANALYSIS

3.1 EXISTING SYSTEM

Reading the local TV guides, renting CDs and DVDs, watching tapes or filmstrip projectors... Today, this is all a relic of the past. The largest movie libraries in the world are all digitized and transferred to online streaming services, like Netflix, HBO, or YouTube. These platforms can now assist us with probably the most difficult chore of all — picking a movie. We've also touched upon some of the most popular examples of these systems that help many movie fans today stay up to date with all the new releases as well as classics of the cinematography. Just grab your popcorn and enjoy the read!

The basic concept behind a movieverse is quite simple. In particular, there are two main elements in every recommender system: users and items(movies). Movieverse uses a set of different filtration strategies and to help users find the most relevant films. The most popular categories used for this includes content based and collaborative filtering. Where content based filtering generally has different types of genre such as romance, action, comedy etc. Based on which the data items(movies) are being divided into different categories similarly collaborative filtering includes categorizing movies, TV Dramas, Web series and anime etc with the language and genres. This is the most effective way we have used for movieverse.

3.2 DISADVANTAGES OF EXISTING SYSTEM

Relying on user data has its downsides, one of which is the issue of 'cold start'. This is when a new user enters the system or new items are added to the catalogue, and therefore, it will be difficult to predict the taste or preferences of the new user, or the rating of the new items, leading to less accurate recommendations.

It can then Categorize each movie according to the viewers under different scenarios. Alternatively, you could employ an off-the-shelf solution from a third-party company, but with so many options available on many websites, how do you know which is the right one for you? Evaluating different solutions can be enormously time consuming. However, this can also be due to a number of other reasons, such as lack of understanding of models, poor UX design of your website, and insufficient knowledge of your website.

To ensure the best-quality data, you should ask yourself questions: How recent is it? How noisy is it? How diverse is it? How quickly can you feed new data to your website? and many privacy concerns.

3.3 PROPOSED SYSTEM

The online movieverse system involves various techniques for providing effective suggestion for the users.

The collaborative filtering involves the analysis of the opinions in which the recommendation is provided based on the ratings provided by the users on verified platforms. Movies have been personally filtered and added ready to be chosen according to the users or viewers needs and choices. Movies are available according to the user's preference according to their preferred choice they have made. The proposed movieverse system is based on the abstract and various different methods. This was the first time that this method of social network analysis was used to introduce in the movieverse system, and it is found to be very efficient.

3.4 ADVANTAGES OF PROPOSED SYSTEM

The system gives movies preferred by similar users. This is based on the scenario where a person asks his friends, who have similar tastes, to recommend him some movies. Movies help us to get motivation We may learn a lot by watching movies. Movies may motivate us to make positive changes in our lives, and movies' strong characters can inspire us to do the same. The benefit of watching movies can increase self-motivation to be solid and inflexible in dealing with all the problems.

This helps easier navigation through the website due to the neat layout. Also direct link for the viewer is given hence, a easier access. There are handpicked digital movies uploaded. We deliver content that is relevant for the user. Provides the search

for content that would be interesting to an individual. Moreover, it involves a number of factors to create personalised lists of useful and interesting content specific to each user/individual. These systems are important as they help them make the right choices, without having users spend much time on their choice of watch.

CHAPTER 4: SYSTEM DESIGN

4.1 OBJECTIVE

- To design an appropriate website for movies that aims to provide the best suggestion to the user based on categories.
- To take quality and the content into consideration by employing content filtering, providing suggestions based on ratings and trends.
- To provide the best suggestion to the user.
- To prioritize the content.
- To attract new audience.
- To stand out from crowd.

4.2 SCOPE

There are many websites that gives movie suggestions. But most of the existing websites are not organised according to different genres and do not provide access to drama, anime , etc.

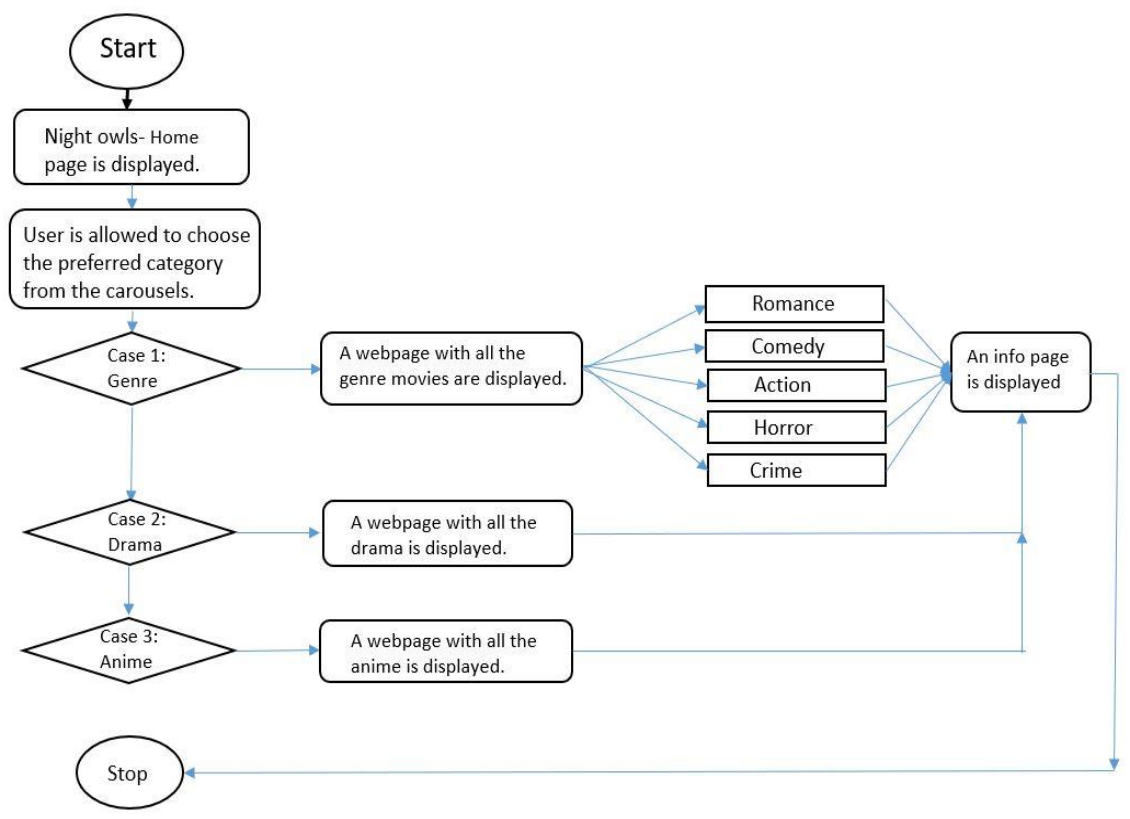
Many people often look for the website that satisfies the above needs as it is very easy to access and user friendly.

The Requirement of movies according to their categories plays an important role. The website that provides the top picked movies from each of their categories and displays the user in an organised manner is necessary.

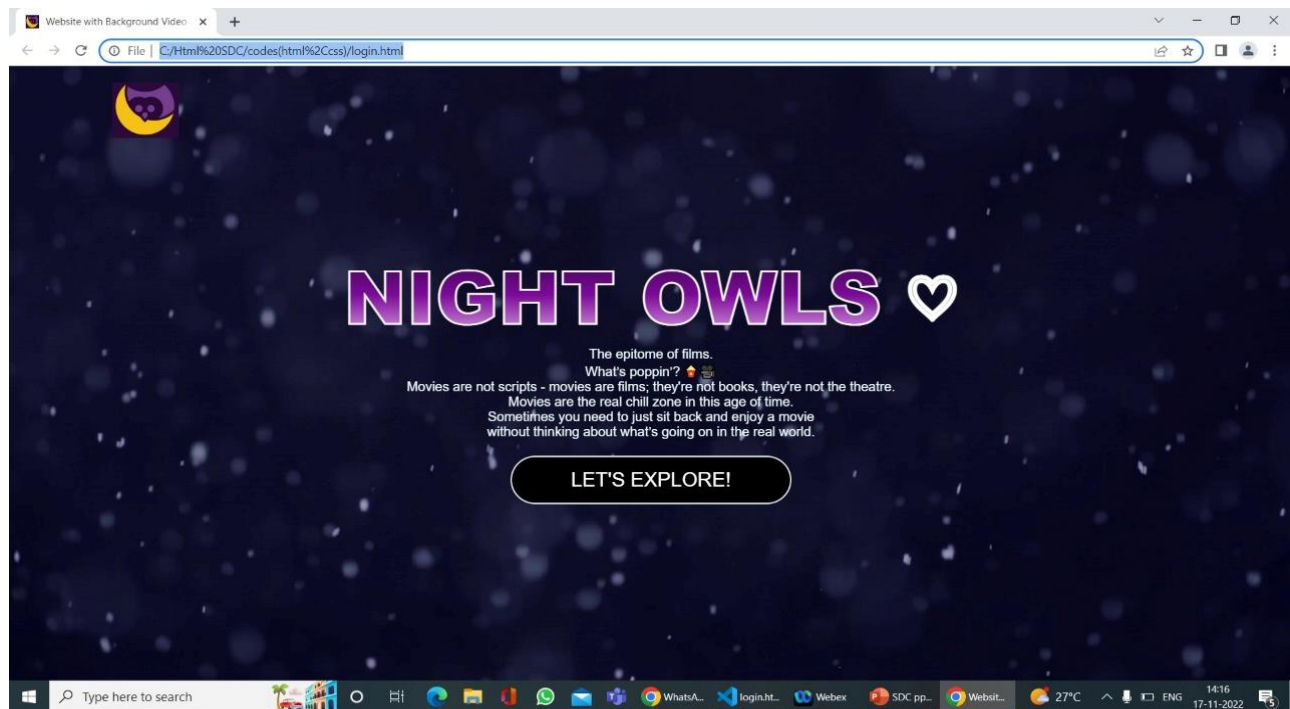
Hence, satisfying all the above Requirements, creating a website is necessary. This helps the user to watch a movie with full interest and with a ease.

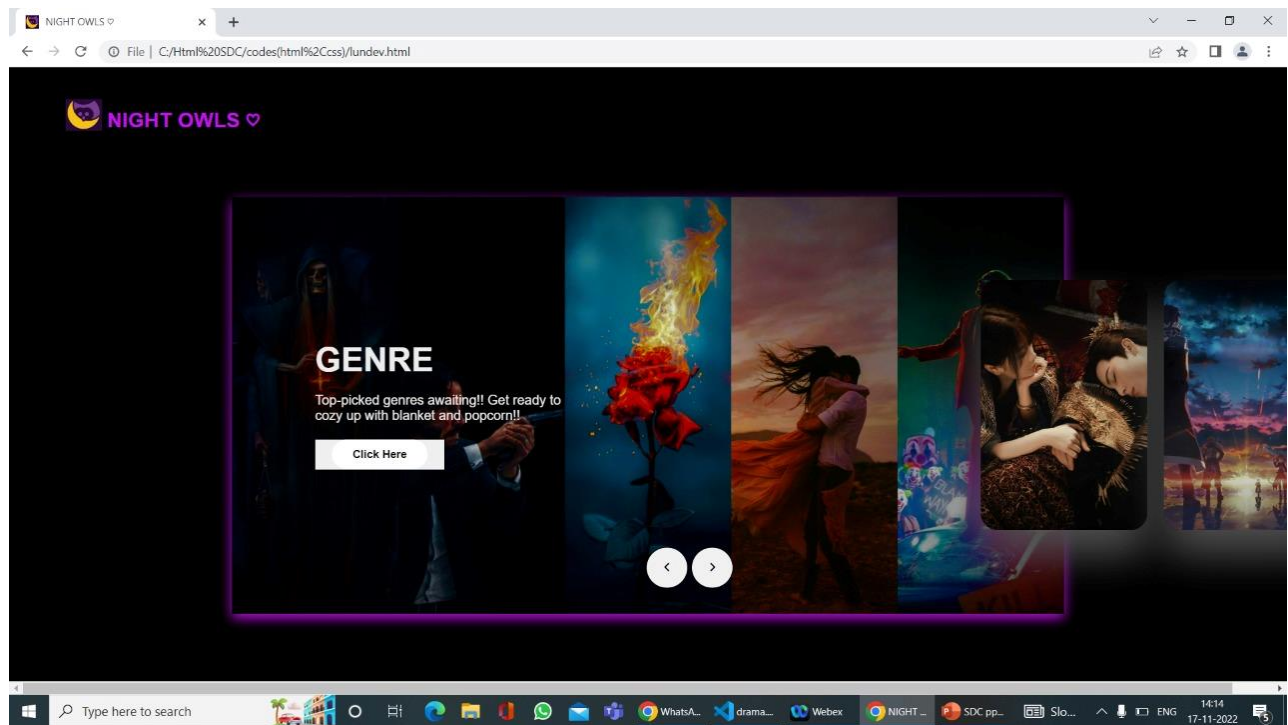
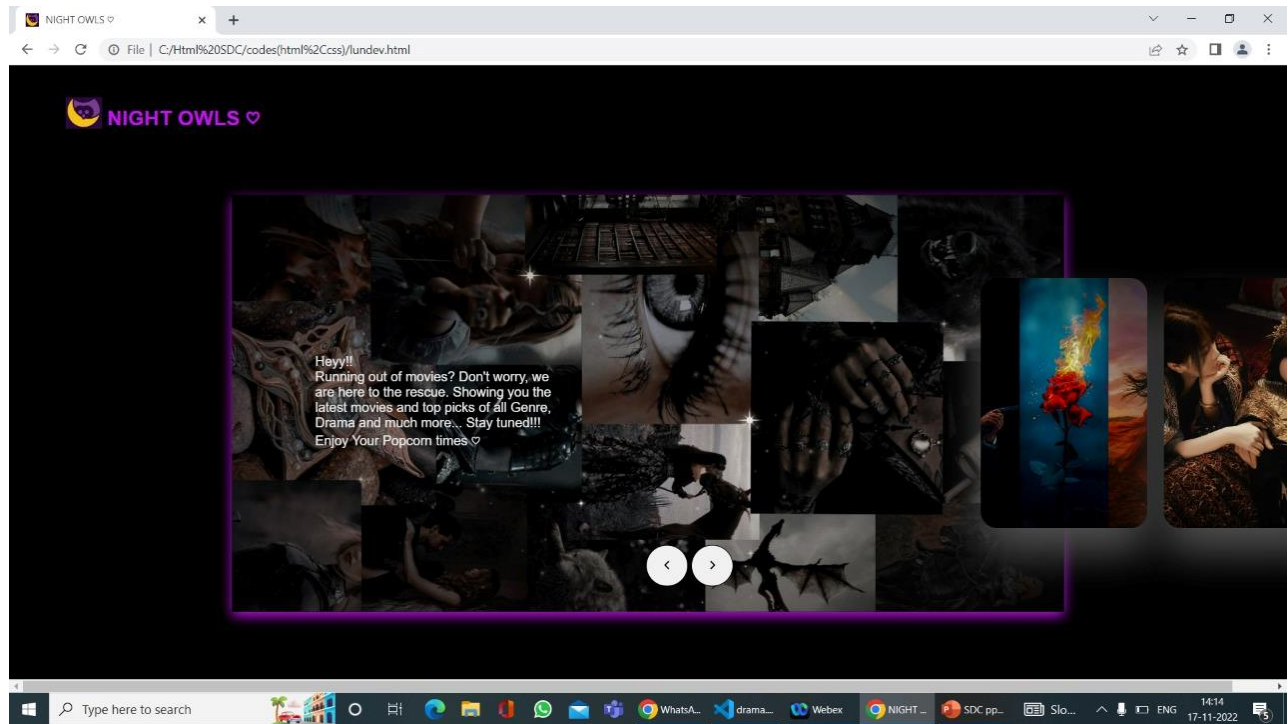
4.3 METHODOLOGY

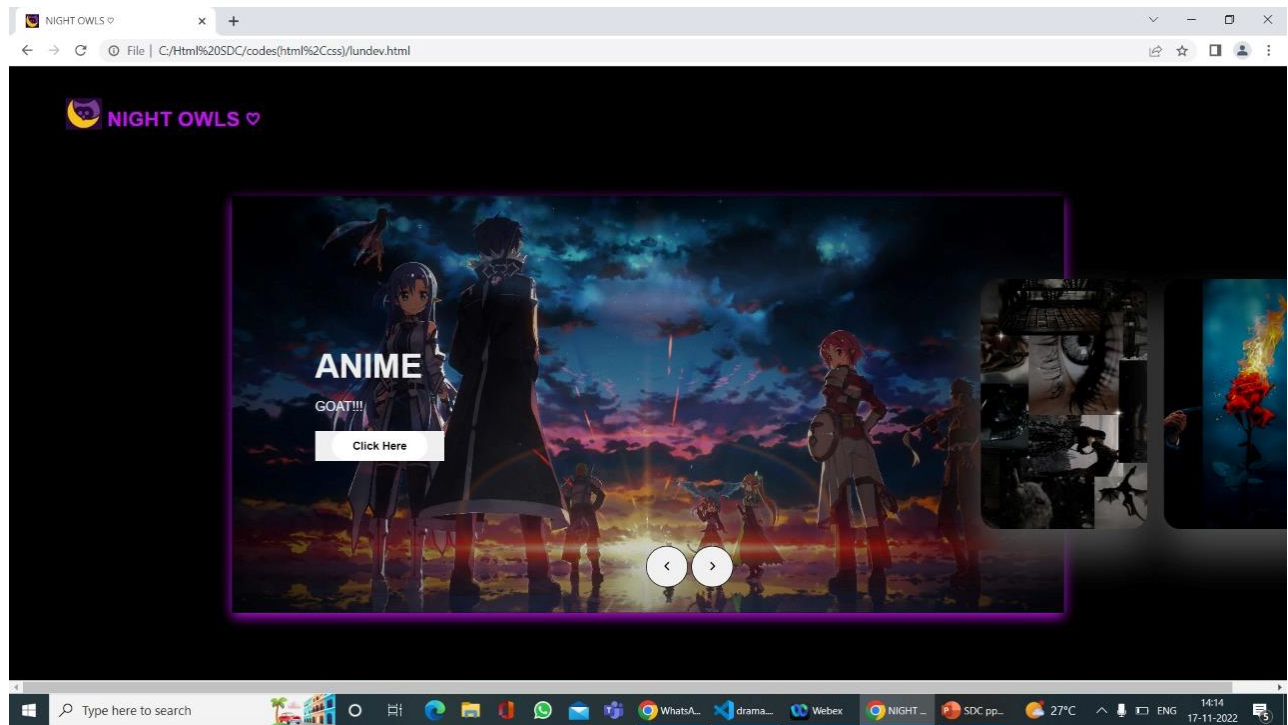
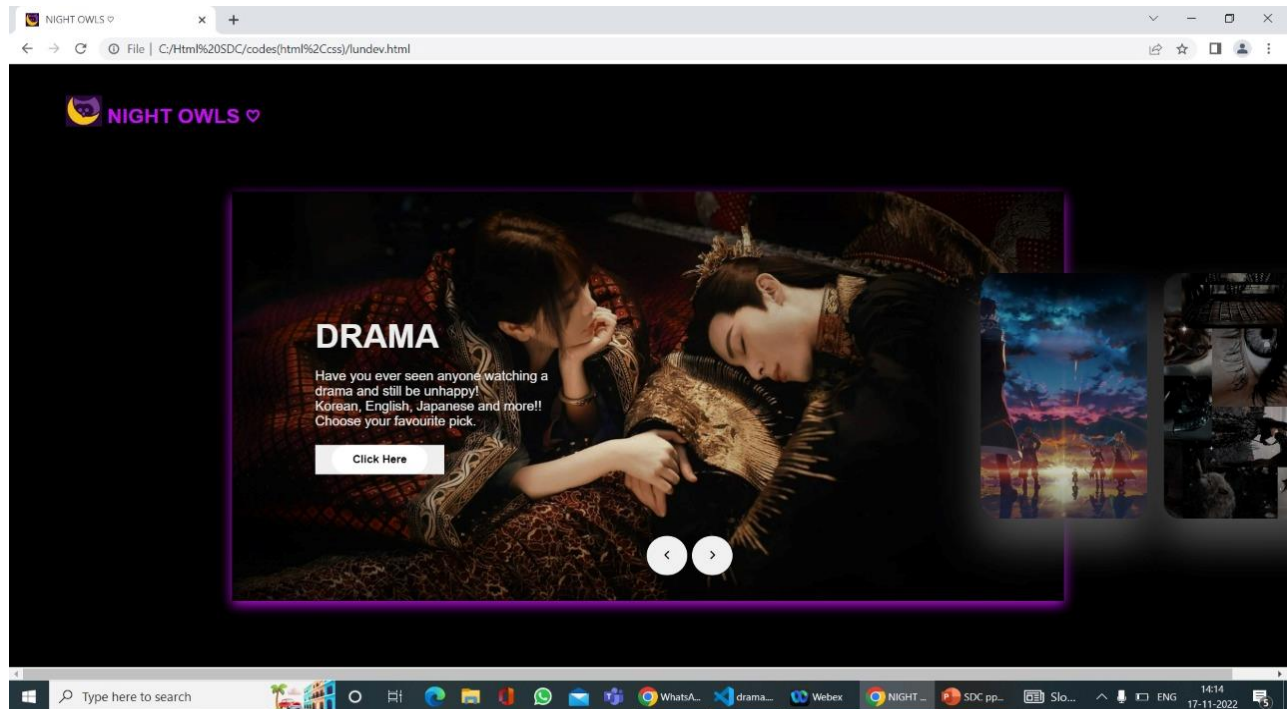
When we run the program the websites starts with the Homepage where it introduces the website logo and its name with the basic info. On clicking 'Let's Explore' it redirects you to a page which gives the user a list of different choices and categories on a carousel. According to their preference the user can select a categories: Genre, Anime, TV Drams. On clicking it further on any of these options redirects to a webpage where required content is displayed with number of movies or anime or TV Dramas and further opens a page with the movie overview, language, rating , country, artists and a watch now easy access button which helps the user or viewer to watch the movie or anime or TV Drama directly and hence enjoy the watch.

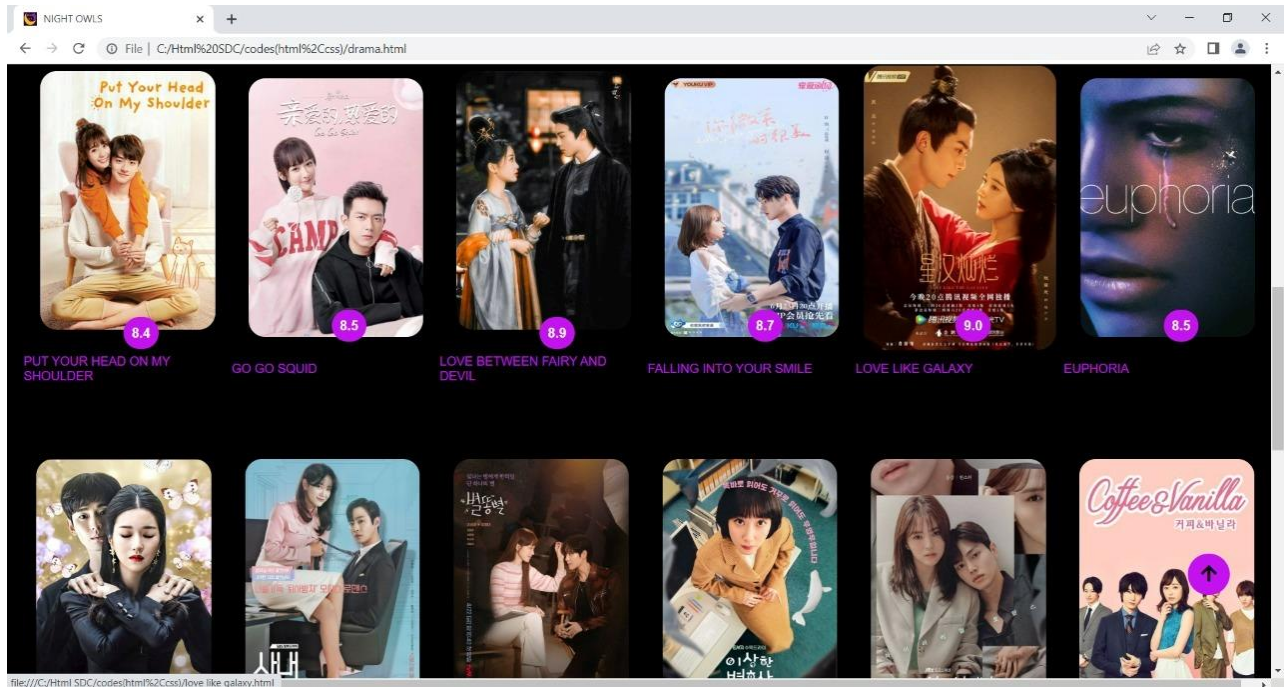
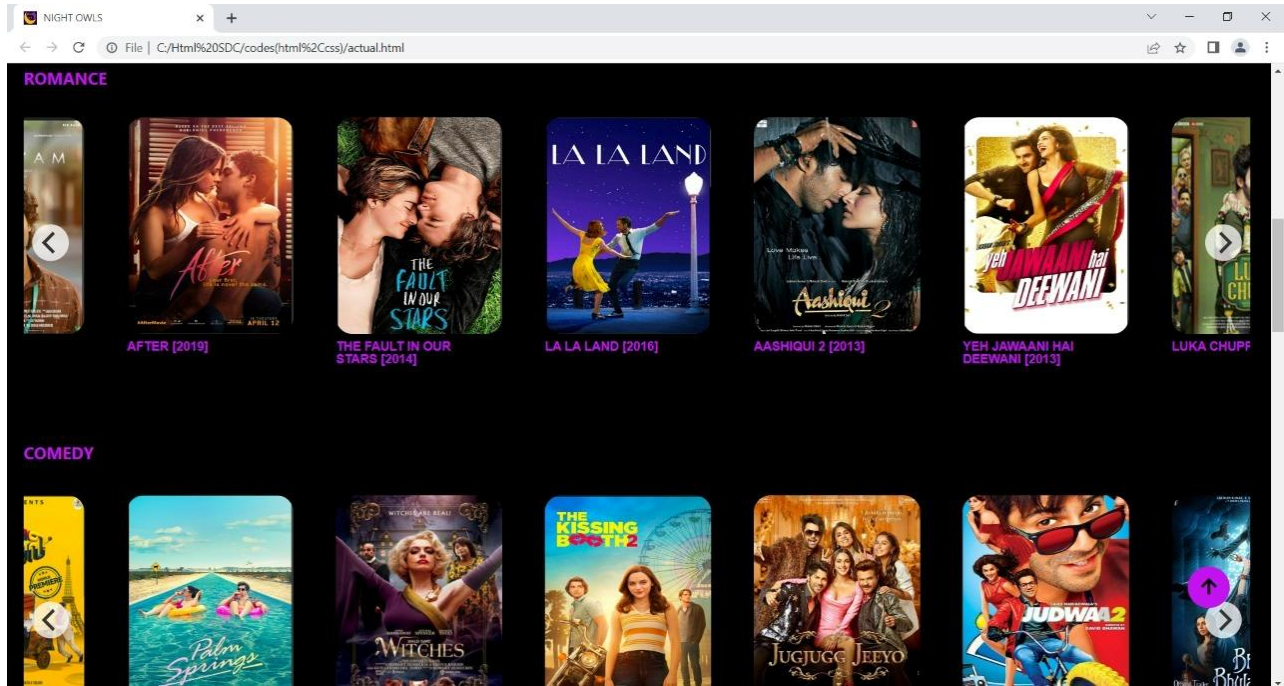


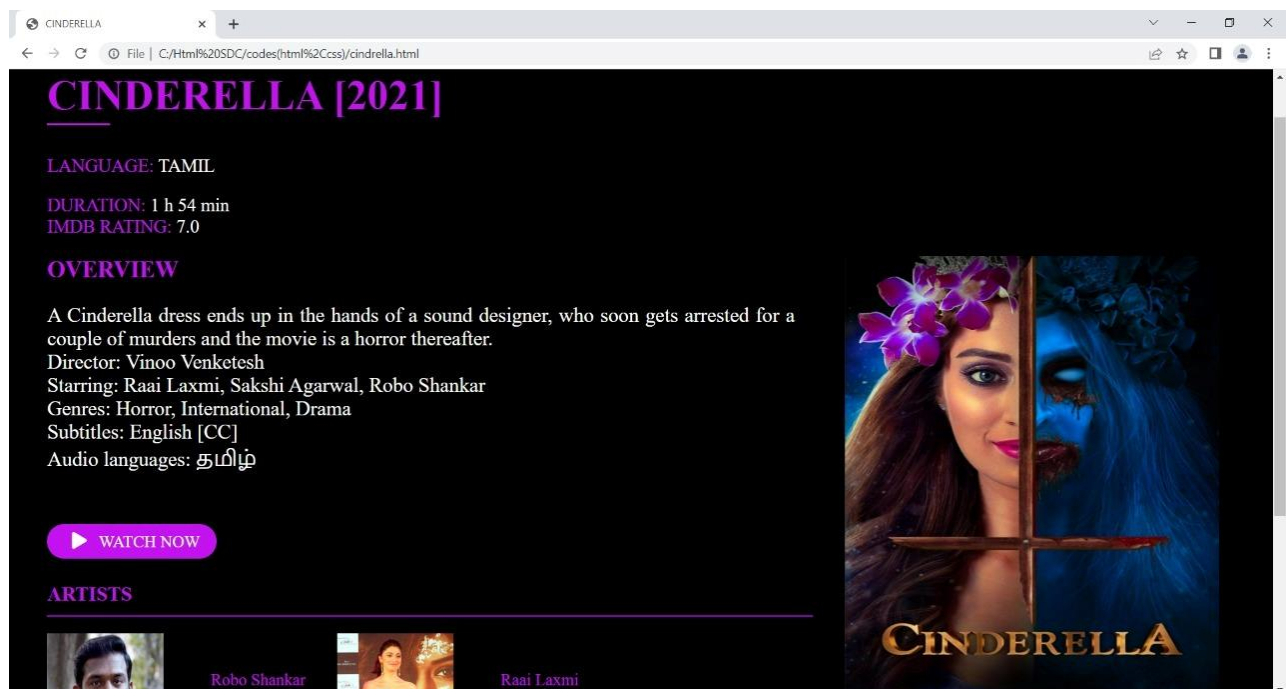
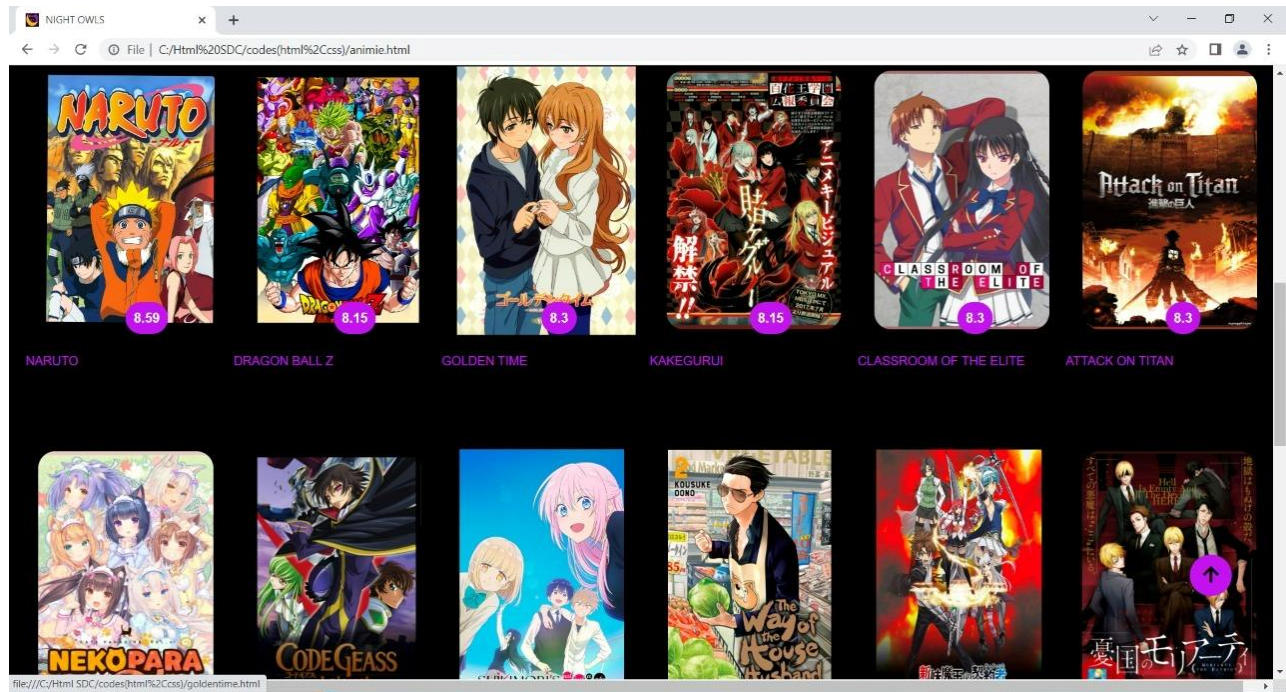
4.4 OUTCOME

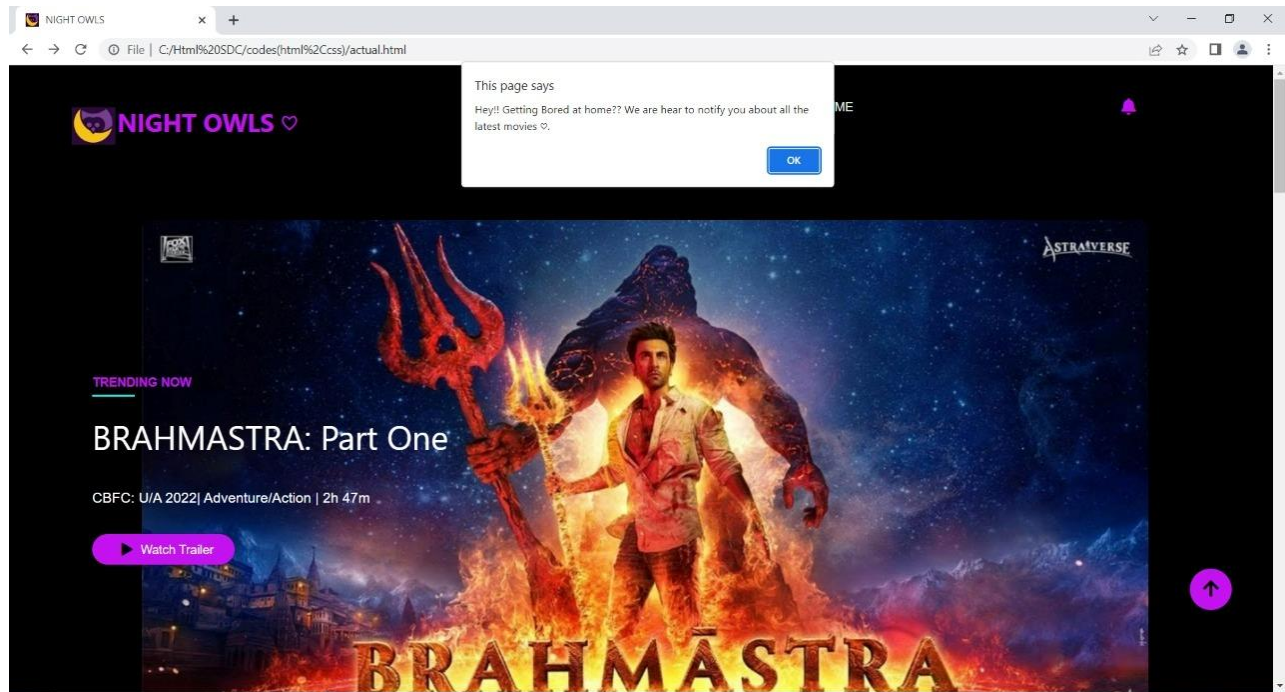












CHAPTER 5: RESOURCE REQUIREMENTS

3.1 HARDWARE REQUIREMENTS

3.1.1 i3 Processor Based Computer

Intel cores are efficient computer central processing units (CPU) by Intel Corporation. These processors replace the existing Pentium processors. The identical versions of the Core processors are also sold as Xeon processors.

Core processors include the Core i3, i5, i7 and i9 with X-series of Intel Core CPUs. Core i3 processors have the best operating capability.

3.1.2 RAM

RAM is the main memory of the system which is also called as short term memory. This memory determines the performance of the system. Here the system require 1GB memory to function smoothly.

3.1.3 Hard Disk space

Internal hard drive to store the files. The modules and requirements for the project are stored in this hard drive and can be retrieved whenever they are required. The system require SOGB memory to function smoothly.

3.1.4 Internet Connection with Monitor

The system require a fast internet connection with better functional Monitor and a powerful microphone to be audible to the system.

3.2 SOFTWARE REQUIREMENTS

1. The system require windows 7 or higher version desktop or laptop for the implementation of System.
2. **A Web Page** – is a web document that may be accessed by means of a web browser by typing in the web address.
3. **Website** hosts and manages a selection of web pages as well as put them together or divides into specific groups or sections.
4. **A Domain name** – is your website address that you may see in the browser's search bar.
5. **A Web Server** – is a computer that hosts your website files and content as well as ensures its accessibility for the end-user.
6. **Search Engine** – is a web instrument to help users find the website they need. It comes as a simple navigation system to surf the net and browse the sites you need.

3.2.1 PC with Pre-installed Operating System

Having a computer is not enough to start operating it. You will need to have an operating system installed to move on. The OS is actually the soul of your PC. It launches all major functions as well as the computer itself. It may also deliver some extra features, customization tools, and already built-in features. You are to decide, which one to choose. Although you probably have the one already installed, we will only highlight the top 3 options available for users. Windows – is a popular operating system that holds over half of the OS market share. The system is very user-friendly making it simple to set it up, log in, and get started. Windows comes in multiple versions regularly updated. Each version brings a selection of baseline features, which make it a #1 hardware choice today.

The key Windows features:

Ease of Use – most of you have already dealt with earlier OS versions including Windows XP or Windows 7. Everything is simple and familiar.

Software Selection – Microsoft has grown into a dominating force on the hardware market delivering tons of applications, extensions, and add-ons for the OS. Let's face it. We all loved playing Microsoft Solitaire Collection of card games.

System and Feature Updates – Windows makes it easy to keep your PC run smoothly. It notifies each new update available as well as ensures automated backups with the help of system restore points. Windows OS might be a good choice whether you are an ordinary home user, gamer, or corporate worker.

3.2.2 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.

3.2.3 Web Browsers

A web browser – is a software app that appears to be your guide to the inside world of the Global Web. The software helps to not only access web pages but also take the use of some web instruments, tools, or extensions. Having a browser is vital in case you decide to use SaaS online website builders or popular CMS solutions. Otherwise, you will not be able to access web design and customization tools.

While operating systems usually come with already integrated browsers (Windows comes with Internet Explorer while Mac has Safari browser installed on default), you might need more enhanced, lightweight, and functional software to surf the web.

Google Chrome – is the most popular browser with more than 81% of users in 2019. Apart from good performance and privacy tools, the browser comes with a selection of extensions and integrated apps. They include parental control tools, CPN services, etc. On the other hand, Chrome is one of the resource-hungry browsers.

The key features are:

- Enhanced performance.
- Support for multiple extensions and apps.
- A heavyweight browser that requires much of OS resources

Microsoft Edge-Microsoft Edge is the default web browser on Windows 10, Windows 10 Mobile, Windows 11, Xbox One, and Xbox Series X and Series S consoles, replacing Internet Explorer 11 and Internet Explorer Mobile. As its development and release is dependent on the model of Windows as a service, it is not included in Windows 10 Enterprise Long-Term Servicing Channel (LTSC) builds.

Microsoft initially announced that Edge would support the legacy MSHTML (Trident) browser engine for backwards compatibility, but later said that, due to "strong feedback," Edge would use a new engine, while Internet Explorer would continue to provide the legacy engine. The developer toolset of the EdgeHTML-based versions featured an option to emulate the rendering behaviour ("document mode") of Internet Explorer versions 5 to 11.

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