RECOMMENDATION SYSTEM

A
Project Progress Report
On
Submitted in partial fulfillment of the requirement for the award of Degree of
Bachelor of Technology in (Computer Science & Engg.)

Submitted to

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CERTIFICATE OF APPROVAL

The Mini Project/Internship Assessment report entitled "**Video recommendation system**" being submitted by "**Divanshi Saraswat(2000650100025)**"&"**Himanshi Agrawal(2000650100040)**" has been examined by us and is hereby approved for partial fulfillment of the requirements for the degree of "**Bachelor of Technology in (CSE)**," for which it has been submitted . It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the project only for the purpose for which it has been submitted.

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DECLARATION

The Mini Project/Internship Assessment report entitled "**Video recommendation system**'' submitted by "**Divanshi Saraswat**" and **"Himanshi Agrawal"** in partial fulfillment of the requirements for the degree of "**Bachelor of Technology in (CSE)",** submitted to Dr. A.P.J Abdul Kalam Technical University comprises only my work due acknowledgments have been made to materials used in the report under the supervision of "**Mr. Amit Verma**" Project Coordinator, BSACET. I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Signature of the Candidate :
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  Himanshi Agrawal

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1. <u>INTRODUCTION</u>

As the name suggest "The video recommendation website" is an online entertaining site which provides the videos for any user who is interested to watch Videos. Any user want to watch any movies or videos they can easily watch and contact if any problem occur. this site works 24/7 .its works very fast and also watch any videos that we can want to watch .

1. INTRO TO WEBSITE

A website is a collection of related web pages that may contain text, images, audio and video. The first page of a website is called home page. Each website has specific internet Address (URL) that you need to enter in your browser to access a website.

Website is of two types: Static website and Dynamic website. In the static website is the basic type of website that is easy to create. You don't need he knowledge of web programming and database design to create a static website. Its web pages are coded in HTML. the codes are fixed for each page so the information contained printed page. While dynamic website is a collection of dynamic web pages whose content from a database or content management system (CMS). Therefore, when you Alters or update the content of the database, the content of website is also altered or updated.

2. WEBSITE

A **site** or **website** is a central location of <u>web pages</u> that are related and accessed by visiting the <u>home page</u> of the website using a <u>browser</u>. For example, the Computer Hope website address <u>URL</u> (Uniform Resource Locator) is. From our <u>home page</u>, you could get access to any of the web pages (like this one) contained on our website.

How to open a website?

To view a website requires a browser (e.g., Internet Explorer, Edge, Safari, Firefox, or Chrome). For example, you are reading this web page using a browser. Once in a browser, you can open a website by entering the URL in the address bar. For example, typing "https://www.bsacet.com" opens the Computer Hope home page. If you don't know the URL of the website you want to visit, you can use a search engine to find the website on the Internet.

When was the first website created?

The first website was built at CERN by Tim Berners-Lee and launched on August 6, 1991. Visit and browse the first website.

How many websites are on the Internet?

As of January 2018, depending on which survey or hosting company being referenced, there are between 1.3 and 1.8 billion websites on the Internet. Many of these websites are unused or not visited by many people, but the websites still exist and included in the count.

What is the difference between a website and a web page?

A website refers to a central location that contains more than one web page or a series of web pages. For example, Bsacet.com is considered a website, which contains thousands of different web pages, including the page you're reading now.

Who creates websites on the Internet?

Any business, government, organization, or person can create a website on the Internet. Today, the Internet consists of billions of websites created by billions of different people. You can even create a website or blog on the Internet. See the below types of websites section for a list of the types of categories of websites.

What can you do on a website?

On most websites, you read the information contained on each web page. If there are any interesting hyperlinks, you follow those links by clicking or tapping on them to find more information or perform a task. You can also listen to music, watch videos, shop, communicate, and much more on many websites.

3. <u>TYPES OF WEBSITES</u>

There are billions of websites on the Internet today that can be broken into one of the following types of website categories. Keep in mind that it is possible for a website to fall into more than one of the following categories. For example, a website may also be a forum, webmail, blog, or community website is a website or section of a website that helps bring the visitors visiting the site together using chat, forums, or another form of bulletin boards.

<u>CONTENT WEBSITE AND INFORMATION WEBSITE</u>

A **content website** and **information website** are created with the intention of displaying unique content that is often related to a specific category. For example, Computer Hope could be considered a content site with computer-related content. Other categories could include a **political website** that has content relating to politics or a political view, or a **religious website** with information about a specific religion.

3.1 <u>Dating website</u>

A **dating website** is a site set up to help connect people who may be interested in meeting other people or dating other people. Most dating websites require a small fee, require a description of yourself, and often has a series of questions to help find people that would best match your interests.

1.2 <u>E-commerce website</u>

An **e-commerce (electronic commerce) website** is any site that was created with the intention of selling online goods or services. Amazon is an example of an e-commerce website. An e-commerce website may be broken down even further into one of the following subcategories.

An **affiliate website** is a website created with the intention of selling third-party products. For example, Amazon has an affiliate program allowing anyone to link to their site and make a commission when products or services are purchased after the link is clicked. An affiliate website should not be confused with an e-commerce website.

An **auction website** is a website that allows other people to sell their goods or services. For example, eBay is one of the most well-known online auction websites. See our online auction page for further information and examples.

A **classified ads website** is a site that allows anyone to list goods or services, usually for free or at a small cost. Craigslist is an example of a classified ads website.

A **crowdfunding website** is set up to help support a business, person, or another cause by making a one time or monthly payment. An example of a crowdfunding website is Kickstarter.

3.3 Gaming website

A **gaming website** is any website that features games that can be played on the website. Often these online games are created using [HTML5](#), [Flash](#), or [Java](#). Gaming websites should not be confused with a gaming content website that has content relevant to gaming with no actual games to play on the website.

3.4 Government website

A **government website** is a department, local, or state government site that was created to help inform the public about government business and services. A local government website may also be set up to help promote tourism.

ComputerHope.com

Help and Q&A website

A **help website** and **questions and answers website** is a site where anyone can go to post questions about any topic imaginable and where visitors to that site can help answer those questions. A full listing of help websites where you can ask any question is on the link below.

3.5 <u>Malicious website</u>

A **malicious website** is any website that was set up with the intention of infecting another computer or collecting personal data. For example, a **malware website** is a site created with the intention of infecting any visitor with [malware](#), [spyware](#), or a [trojan horse](#). These type of sites could have a [download](#) that is infected and, if downloaded, infects your computer or scripts that steal your computer [cookies](#) you use to log into a website.

Other common malicious websites include **phishing websites**. These sites are designed to look like other official sites (e.g., your bank) with the hope that they can [phish](#) sensitive information such as your username and password.

Fake news websites are another type of malicious site created to appear to be a legitimate source of news with the intention of helping to spread fear and lies.

Media sharing website

A **media sharing website** is any website that specializes in allowing visitors to share one or more types of [media](#). For example, [YouTube](#) is a site for sharing video media. [SoundCloud](#) is a site for sharing music. [Flickr](#) is a place to share photos. DeviantArt is a page for sharing art.

3.6 <u>Mirror website</u>

A **mirror website** is a complete duplicate of another website that is used when a website becomes overloaded. It helps with a website's speed in different parts of the world. See our [mirror](#) definition for further information. Also, although similar, a mirror site should not be confused with a scraper website or a [CDN](#).

3.7 <u>News website</u>

A **news website** is a site dedicated to giving the latest local or world news. A news site may also be dedicated to a specific topic. For example, many [computer-related news websites](#) are dedicated to talking about the latest computer and technology related news.

P2P website and Torrent website

A **P2P website** and **Torrent website** are sites created to list available [torrents](#) that can be downloaded using a file-sharing program.

A **warez website** is similar to a torrent website, except that it stores and hosts music, video, and software that anyone can download to their computer. When referring to a [warez](#) website, it is describing a site where [copyrighted](#) material is illegally downloaded.

Personal website

A **personal website** is a site created by an individual that talks about their personal life, family, life experiences, and maybe contains a [résumé](#). Today, many people are creating personal websites as a blog or using a social networking website as a place to store information about themselves.

Personality website

A **personality website** is any website that covers an individual, such as an artist, celebrity, musician, author, or any other person. These types of websites are set up by someone affiliated with the person, such as a publicist, agency, or fan of the personality.

3.8 <u>Review website</u>

A **review website** is any site that focuses on reviews about a product or service. For example, Yelp allows consumers to review businesses in their area. Other review sites may review other things such as movies or products. Also, many e-commerce sites have reviews from people who've purchased the product they're selling.

3.9 <u>School website</u>

A **school website** is a site created to represent a local school or college. School sites have an overview of a school and give students and parents a place to log in and review grades and other school-related information.

3.10 <u>Scraper website</u>

A **scraper website** is a website that is illegally stealing (scraping) another website's content. Doing this could allow the person to generate advertising revenue if enough traffic was driven to the scraper website. However, these types of sites are against all advertisers' TOS (terms of service) and, when caught, they are blocked by the company providing the advertising. A scraper website should not be confused with a mirror website, which is a copy of a site set up with permission.

3.11 <u>Search engine website</u>

A **search engine website** is a website dedicated to helping people find information on the Internet. Google is an example of a search engine website. See our search engine definition for further information on search engines and related links.

3.12 <u>Social networking website</u>

A **social networking website** connects users with friends, family, celebrities, groups, and organizations. The service is usually free, on the condition that the website may collect information about the user and sell it to any domestic or foreign entity. [Facebook](#) and [Twitter](#) are examples of a social networking website. See our [social networking](#) definition for other examples of social networks and further information.

3.13 <u>Social news website</u>

A **social news website** is a site that generates its content from its members and, once posted, all other members can vote if they enjoyed or liked the story. [Reddit](#) is an example of a social news website that allows everyone to post almost anything. It is a great place to find things that would most interest you on the Internet.

3.14 <u>Webcomic website</u>

A **webcomic website** is a site that posts a comic strip daily, weekly, or monthly.

3.15 <u>Webmail website</u>

A **webmail website** is a website that a person to view, send, and receive e-mail without the need for software. An example of a webmail program is [Gmail](#). See our [webmail](#) definition for other examples, information, and related links.

3.16 <u>Wiki website</u>

A **wiki website** is a site that is created using [Wiki](#) software, and is often edited and updated by more than one person.

4. TECHNOLOGY AND REQUIREMENT

Technology used: HTML, CSS & java script.

Requirement of this Project :- The basic or at-least requirements of our project are displayed below.

Hardware Requirement :-

- Processor min. 1.4GHz and
- Min. 2GB RAM

Software Requirement :-

- Operating system: at least windows 10
- Any browser like: Firefox, chrome etc.

5. <u>PROJECT ANALYSIS AND DESIGN</u>

<u>Project Analysis:-</u>

Our project is designed on three basic web designing languages which can be discussed briefly below:

<u>HTML (Hyper Text Markup Language) :-</u>

HTML stands for Hyper Text Markup Language, which is the most widely used language on web to develop web pages. HTML was created by Berners- Lee in late 1991 but "HTML 2.0" was the first standard HTML specification which was published in 1995. HTML 4.01 was a major version of HTML and it was published in late 1999. And HTML 5.0 was published in 2014.

<u>HTML Version Tables :-</u>

VERSION	YEAR
HTML	1991
HTML 2.0	1995
HTML 3.2	1997
HTML 4.01	1999
XHTML	2000
HTML 5	2014

<u>CSS (CASCADING STYLE SHEET)</u> -

CSS describe how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work – it can control the layout of multiple web pages all at once.

CSS can be added to HTML in 3 Ways :-
INLINE- by using the style attribute in HTML element
INTERNAL- by using style element in the head section.
EXTERNAL- by using an external CSS file.

The most common way to add CSS, is to keep styles in separate CSS file. However, here we will use inline and internal styling because this is easier to demonstrate, and easier for you to try it yourself.

An Inline CSS Example :-

<h1 style ="color:blue"> THIS IS BLUE HEADING </h1>

An Internal CSS Example:-

<!DOCTYPE html>

<html>

<head>

<style>

Body{background : img.jpg}

Hello world

</style>

</head>

<body>

<p> this is example of internal css</p>

</body>

<html>

J.S. (JAVA SCRIPT) -

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

JavaScript was first known as LiveScript, but Netscape changed its name to JavaScript, possibly because of the excitement being generated by Java. JavaScript made its first appearance in Netscape 2.0 in 1995 with the name LiveScript. The general-purpose core of the language has been embedded in Netscape, Internet Explorer, and other web browsers.

The ECMA-262 Specification defined a standard version of the core JavaScript language.

JavaScript is a lightweight, interpreted programming language.

Designed for creating network-centric applications.

Complementary to and integrated with Java.

Complementary to and integrated with HTML.

Open and cross-platform.

Client-Side JavaScript

Client-side JavaScript is the most common form of the language. The script should be included in or referenced by an HTML document for the code to be interpreted by the browser.

It means that a web page need not be a static HTML, but can include programs that interact with the user, control the browser, and dynamically create HTML content.

The JavaScript client-side mechanism provides many advantages over traditional CGI server-side scripts. For example, you might use JavaScript to check if the user has entered a valid e-mail address in a form field.

The JavaScript code is executed when the user submits the form, and only if all the entries are valid, they would be submitted to the Web Server.

JavaScript can be used to trap user-initiated events such as button clicks, link navigation, and other actions that the user initiates explicitly or implicitly.

Advantages of JavaScript

The merits of using JavaScript are −
Less server interaction − You can validate user input before sending the page off to the server. This saves server traffic, which means less load on your server.
Immediate feedback to the visitors − They don't have to wait for a page reload to see if they have forgotten to enter something.
Increased interactivity − You can create interfaces that react when the user hovers over them with a mouse or activates them via the keyboard.
Richer interfaces − You can use JavaScript to include such items as drag-and-drop components and sliders to give a Rich Interface to your site visitors.

Limitations of JavaScript

We cannot treat JavaScript as a full-fledged programming language. It lacks the following important features −

Client-side JavaScript does not allow the reading or writing of files. This has been kept for security reason.

JavaScript cannot be used for networking applications because there is no such support available.

JavaScript doesn't have any multi-threading or multiprocessor capabilities.

Once again, JavaScript is a lightweight, interpreted programming language that allows you to build interactivity into otherwise static HTML page JavaScript Development Tools.

One of major strengths of JavaScript is that it does not require expensive development tools. You can start with a simple text editor such as Notepad. Since it is an interpreted language inside the context of a web browser, you don't even need to buy a compiler
To make our life simpler, various vendors have come up with very nice JavaScript editing tools. Some of them are listed here −
Microsoft FrontPage − Microsoft has developed a popular HTML editor called FrontPage. FrontPage also provides web developers with a number of JavaScript tools to assist in the creation of interactive websites.
Macromedia Dreamweaver MX − Macromedia Dreamweaver MX is a very popular HTML and JavaScript editor in the professional web development crowd. It provides several handy prebuilt JavaScript components, integrates well with databases, and conforms to new standards such as XHTML and XML.
Macromedia HomeSite 5 − HomeSite 5 is a well-liked HTML and JavaScript editor from Macromedia that can be used to manage personal websites effectively.
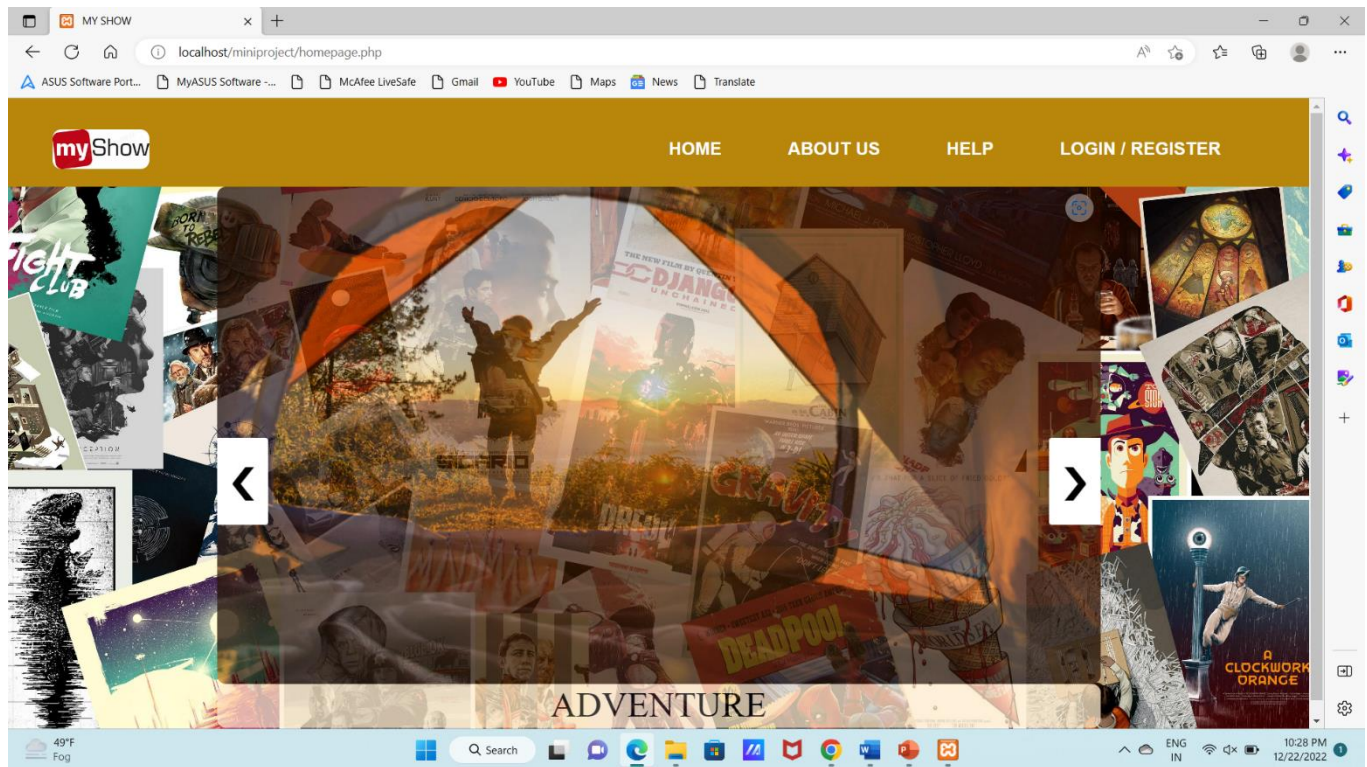
Where is JavaScript Today?

The ECMAScript Edition 5 standard will be the first update to be released in over four years. JavaScript 2.0 conforms to Edition 5 of the ECMAScript standard, and the difference between the two is extremely minor.

Today, Netscape's JavaScript and Microsoft's JScript conform to the ECMAScript standard, although both the languages still support the features that are not a part of the standard.

6. **DESIGN AND RESULT**

HOMEPAGE:-

The front page of any website is known as homepage. It is a basic or default page of any website.

7. <u>**CONCLUSION**</u>

There are many reasons for building this website that we obtain the right tools and resources standardization is one factor.

When we use right tools, we are assured that our pages would be standard and acceptable to every visitor. By using standard resources and tools, our visitors are able to view our website no matter which web browser they use.

The "video recommendation website" is a free, convenient, and reliable website where anyone can there watch videos of their interests.