

SEARCH ENGINE THROUGH GOOGLE API

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ABSTRACT

Search engines will be able to provide users required information at a particular place by using the words and patterns entered by the user during search operation. Search engines are able to return results quickly even with millions and billions of websites online by scanning the internet continuously. There are many popular search engines which give unwanted information like advertisements (as pop up) during search operation. Our paper focuses on the development of a search engine which gives only the necessary information that is needed for the user through Google API.

Keywords: Search engine, information, words, patterns, websites, internet, advertisements.

1. INTRODUCTION

A search engine is software that allows users to search for information on the WWW (World Wide Web). This software is designed to retrieve specific information. By scanning and indexing information on millions and billions of websites, the search engine is able to present relevant web pages to the user. When the user starts searching for a particular topic it shows the most updated website to the user. The information may consist of web pages, information and other types of files. Our Search engine works through Google API. The user will search for the particular information in search operation that gives only the wanted information and avoids unwanted pop ups like advertisements using filters and plugins. This helps the user not to distract to any of the unwanted information.



Figure 1: Various Search engines.

1.1 LITERATURE SURVEY

Search engines provide a unified environment where we can search various kinds of information that is needed for the user using android phone, laptops, tablets etc. It's really getting famous and the number of users is increasing day by day as it gives the best user experience. As we referred papers of various authors we have come up with an idea of a study on online search by people using search engine. The purpose of this study is to understand how users search for information from search engine. While searching in some web pages, we get some pop up as advertisements, while it will distract various users mainly teenagers and children. As students are given assignment in schools, colleges etc., they often use the search engines for getting information, so the advertisements which come as pop up, students sometimes get distracted from searching and get into pop ups that may cause various problems. (For example gaming's) So we have come up with an idea to avoid advertisements that are not needed for the user, so that they can never be distracted. The search engine is build using JavaScript, html and css through Google API. HTML, CSS, JavaScript is used by programmers across the world to create dynamic and interactive web content like applications and browsers. They are the client side Programming Language. These languages are used for developing web pages. Some of the most popular search engines are Google, YouTube, and Facebook.

1.2 PROBLEM STATEMENT

Search engines are software used to carry out web searches. Other search engines gives unwanted information like advertisement during search operation, while our Bit search gives only the necessary information that is needed for the user. It helps user not to interact with any of the information rather than the wanted information. They can find the necessary without any disturbance.

2. HARDWARE AND SOFTWARE

S.NO	NAME	SOFTWARE
1.	Platform	Netlify
2.	Language used	JavaScript HTML CSS

Table 1: Software Requirements

S.NO	NAME	HARDWARE
1.	Processor	Intel Dual Core(64 bit)
2.	RAM	6GB/8GB/12GB
3.	Processor Speed	6GHz

Table 2: Hardware Requirements



Figure 2: Netlify.

3. METHODOLOGY

It works similarly as a Google search engine. Google search is a fully automated search engine operation that uses software known as web crawlers. It works in three stages:

- Crawling:** Search engines will crawl the worldwide web(WWW), in order to identify the best pages as the result. Google search engine downloads text, images, and videos, file etc, from pages it found on the internet with automated programs with the help of DOM (Document object model) called crawlers.

- Indexing:** Indexing is used for adding information in web page. It is used for indexing the web pages according to the priority and most popular sites. Google analyzes the text, images, and video files on the page, and stores the information in the Google index that is search index, which is a large database.
- Ranking:** Ranking is based on the priority of the end users.
- Serving search results:** When searches for particular information, the search operation will return information that's relevant to the user's query.

By using filters and plugins we can avoid the pop ups that come as the advertisement.

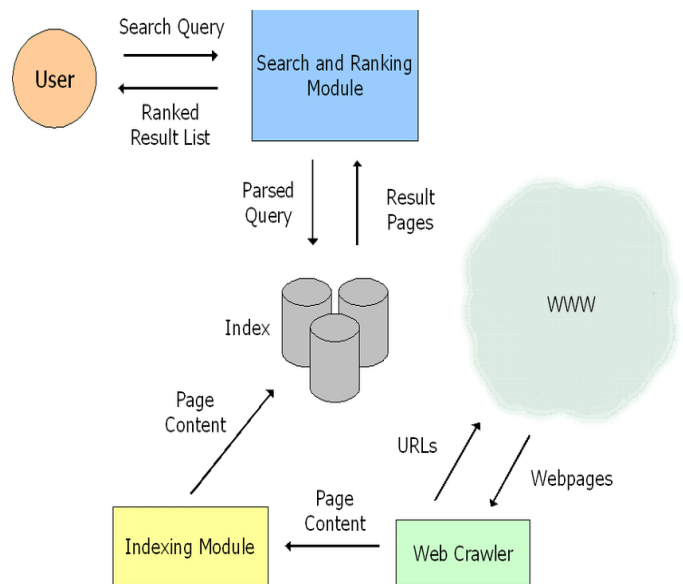


Figure 3: Work Flow.

4. SEARCH ENGINE OPTIMIZATION

Search engine optimization helps the users in various ways. It increases the people visibility to the particular website if we optimize the web pages. Our idea will surely help people not to interact to any of the unwanted information while searching.

5. BENEFITS OF THIS SYSTEM

- This helps users to find the necessary information every quickly.
- It is especially very useful to students to find the targeted information and can access the information about education resources.

- We can get more knowledge by searching information.
- The students will not distract by any other pop ups (advertisement) while searching the information.
- By using the search engines we can easily do online shopping, we find the address of a particular place also.
- Sometimes it helps to find the contacts of the particular popular shops, showrooms etc.
- We can earn through search engines.
- It can useful for entertainments like watching series, playing games etc.

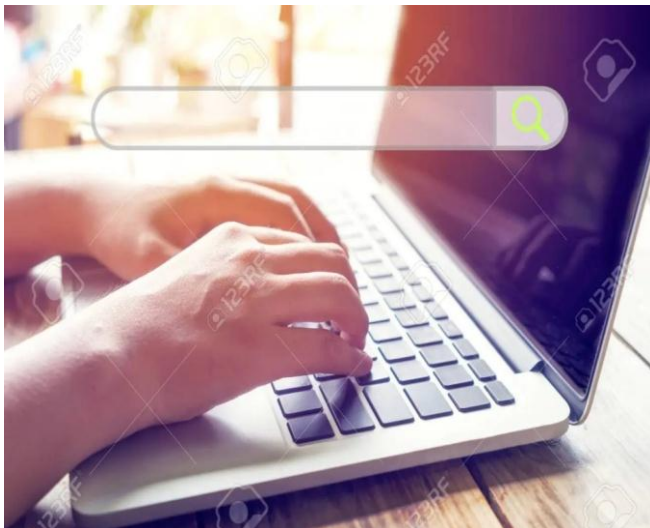


Figure 4: Search Operation

6. CONCLUSIONS

Search engines are very important in future for searching various information and for updating ourselves to the current information. We can get the information from anywhere in the virtual mode. By avoiding pop ups while searching will helps users not to distract, and it is user friendly.

7. REFERENCES

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