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Analysis of Stack Overflow Data using Web Portal

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Abstract: ***As a higher number of population is moving toward the digital world for the solution, hence it's important to make the application smarter for their search and action performed on it. Smart refers to the intellectual use of technology to improve the productivity of the application. This paper focus on the challenge to minimize the searching time and get efficient data from the raw data. Any person new to this application must be able to easily search about the query on the bases of tags, votes and review etc. We try to take advantage of already established technologies to implement in a more strategic, centralized and integrated manner to benefit clients, programmers, learners etc. We can access with the device that is present with us most of the time that is smartphone or laptop.***

I. INTRODUCTION

Nowadays, clients and users like to explore new technology in their daily life, especially trending technologies. While exploring new technology the clients and the users face many issues like what are the constraints and tags to find trending technologies, what will be a useful source that can be utilized within less time etc. Also, the people preparing for any coding competition or tech hunt need to surf more on the internet which leads to access to different websites, different modes of learning and spend more time on finding trending technologies and codes rather than on practices and learning. Users waste more time and effort to detect the useful source and lack behind and demotivate. For the resolution of this problem, we developed a portal where users can find trending information and technologies based on votes, tags and reputation of the question within less time and prepare more without any fluctuations in learning from useful and relevant information sources. Data analysis is one such solution to the above-discussed problems. Data analysis is defined as a process of cleaning, transforming, and modeling data to obtain conclusions. It involves extracting the meaningful and insights data from the raw data. As we know that Stack Overflow, the popular Question & Answer site for the Programmers, provides useful information to million programmers worldwide with the help of the database. It represents a large amount of unstructured data for the analysis. Therefore, we chose to make use of the most widely used technology that comes in handy with everyone and that's a web application.

II. METHODOLOGY

This paper demonstrates the functionality of a feasible operation that helps the user to learn and execute the technical aspects. The methodology is proposed to operate a revolutionary task which implements the compilation of PHP, SQL, Xampp server, JQuery, CSS, HTML, and JavaScript. Each Layout file contains exactly one root element which shows the additional functionality holds the individual analysis of data authenticated by API. This project of ours is a web-based application in which we performing analysis on the data present on the Stack overflow website.

The data on the site is obtained through web scrapping with the help of stack overflow API. We communicate our queries to API through JQuery Ajax and receive information in response which we manifest on our web portal. Then the user must register into the web portal using his basic personal details like username, email address, and password. If the user is already registered, then the user can log into the web portal using his login credentials including email address and password.

The user can type his topics related to computer science languages in the first search bar.

The other choice available to the user is to search for the top reputed community members for his choice of topic.

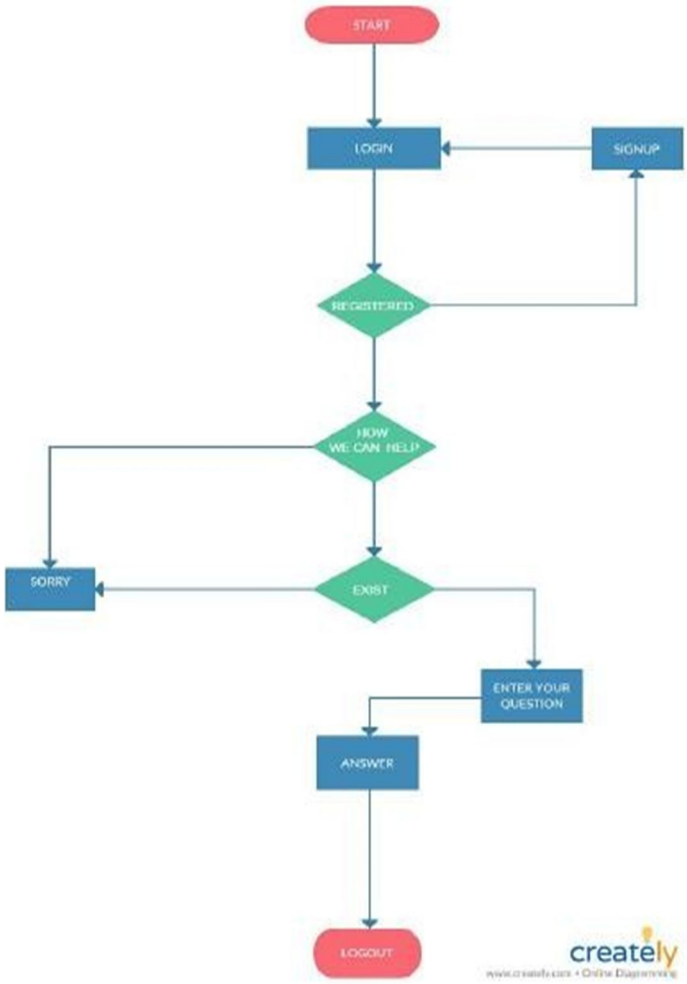
A. Technology Used

1) *JQuery:* JQuery manipulates the event handling, having a rich feature library of JavaScript which fasts traversal of HTML Doc. JQuery is easy to use with fewer lines of code and perform any task simultaneously.
2) *CSS:* It stands for Cascading Style Sheets. It makes the interface user friendly how HTML elements are presented on the screen or other Media. Its multiple web page layout is controlled by CSS.
3) *HTML:* It stands for Hypertext Markup Language. Its most basic building block and Structuring web control. It generally displays the appearance/presentation and functionality with well- organized and easy to understand.

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4) *MYSQL:* It stands for Structured Query Language. It is used for manipulates databases and managing with a different operation such as SELECT, UPDATE, DELETE, INSERT, CREATE, ALTER.
5) *PHP:* It is a server-side Scripty language that can develop static and dynamic websites application. Scripts are interpreted only on a server.
6) *JavaScript:* It is client Scripty language that creates a webpage. It provides special effects and graphics to the webpages to be dynamic.

III. FLOWCHART

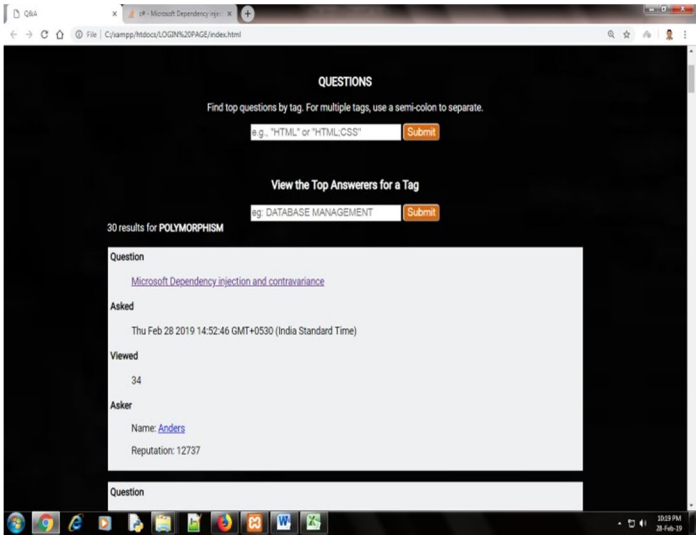


IV. CONCLUSION

In this paper, many analysis is proposed to get the possible and minimized results to provide the best outcome for the user where 'Analysis of Stack overflow Data Using Web portal' comes with GUI where the user can learn and practice codes easily using the Analysis driven by Data Using Web portal. In this paper, the analysis is done which is so economical that anyone can easily understand how to use it by simply accessing the internet. Further, the technology used is open source. The user just needs to have an android mobile phone or laptop in order to use the application or access to the portal. Our site provides additional functionality such as using tags and its popularity of the problem based on trends and provides the topmost competitive problem and the API of the Stack Overflow website is used for authentication of relevant information. In a conclusion of the paper, we determine the method which shows efficiency and methodology of using this portal through which we can save more time and energy to identify the trending and to ease the complex problem and focus on moving to get new technologies based on trends in the competitive world which encourage the user to engage and learn more to demonstrate the best use of their intelligence and focused about to be successful in the world.

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V. SNAPSHOTS



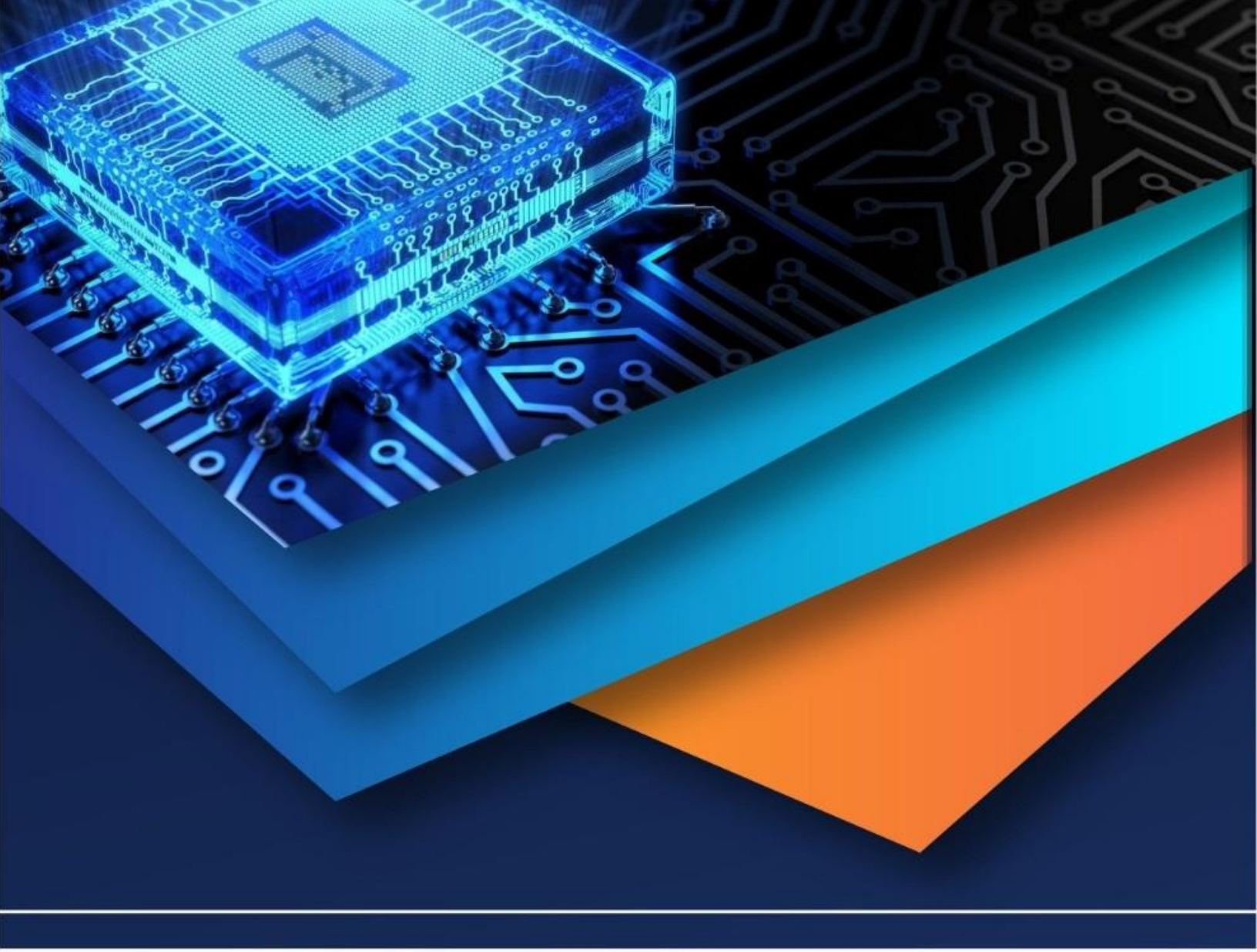
VI. ACKNOWLEDGEMENT

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[5] http://l.facebook.com/l.php?u=http%3A%2F%2Fciteseerx.ist.psu.edu%2Fviewdoc%2Fdownload%3Fdoi%3D10.1.1.404.1639%26rep%3Drep1%26type%3Dpdf&h=TAQHP8cs s&s=1
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