Report on Blog Web Application

Pranav Shrikant Rothe[1], Gourav Annaji Shende[2], Atharva Dnyaneshwar Solanke[3], Suraj Rajendra Verma[4], Dr. D.N. Chaudhari Sir[5]

Students, Department of Computer Science and Engineering[1,2,3,4]
Faculty, Department of Computer Science and Engineering[5]
Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, Maharashtra, India

Abstract: *A blog is a website of discussion or information posted on the World Wide Web (WWW) that consists of individual, often informal, diary-style text entries. Messages are usually displayed in reverse chronological order, with the most recent message at the top of the web page first. Until 2009, blogs were usually the work of one person, sometimes a small group, and often covered a single topic or topic. The 2010s saw the emergence of "Multi-Author Blogs" (MABs), written by multiple authors and sometimes professionally edited. MABs in newspapers, other media outlets, universities, think tanks, advocacy groups and similar organizations account for the increasing volume of blog traffic. The growing popularity of Twitter and other microblogging systems has helped incorporate MAB and single-author blogs into the media. Blog can also be used as a verb meaning to add or maintain content to a blog. Many blogs offer commentary on a specific topic or subject, from philosophy, religion, and the arts to science, politics and sports. Others function as more personal online diaries or online advertisements for a particular individual or company's brand. A typical blog combines text, digital images, and links to other blogs, web pages, and other media related to the subject. The ability for readers to leave public comments and interact with other commenters is an important contributor to the popularity of many blogs. However, blog owners or authors often review and filter online comments to remove hate speech or other objectionable content. Most blogs are primarily text-based, but some blogs are about art (art blogs), photography (photo blogs), videos (video blogs), music and audio. In education, blogs can be used as learning resources. They are called Edu-blogs. Microblogging is another type of blogging where you post very short messages.Blog Web Application thathas proper design and structure along with easy-to-use User Interface (UI) and a proper commenting system, which will let user to blog about anything they feel their mind to.*

Keywords: Blog, World Wide Web (WWW), Multi-Author Blogs (MABs), User Interface (UI).

I. INTRODUCTION

Web applications are an integral part of our day-today work-be it hotels, sports, news, business, medicine or education. In a competitive world that promotes global access to services, there is an increasing need to reach out to the customers and provide them with regular updates and information. Nowadays, blog is an essential component of a web application. Blog is an important social networking tool included in a web application, to facilitate interaction and collaboration with the users. For a web application, it is an important part of online marketing. Blog in a web application is used for promoting products and services, writing articles, providing product updates, educating user. Blog facilitates communication and interaction with the user to share knowledge and expertise. Blog posts are meant to provide valuable information to people in a free and easy to read manner. This is the first step in building trust with your readers so you can turn them into future customers. A blog (a shortened version of "weblog") is an online journal or informational website displaying information in reverse chronological order, with the latest posts appearing first, at the top. It is a platform where a writer or a group of writers share their views on an individual subject. The term "Weblog" was coined by Jorn Barger on December 17, 1997. The short form, "Blog", was coined by Peter Merholz,

who jokingly broke the word weblog into the phrase weblog in the sidebar of his blog Peterme.com in April or May 1999. Shortly thereafter, Evan Williams at Pyra Labs used "Blog" as both a noun and verb and devised the term "Blogger" in connection with Pyra Labs' Blogger product, leading to the popularization of the terms.

II. AIM AND OBJECTIVE

Blogging is often seen as a good way to get in touch with students. This blog is a type of website that is comprised of entries either made by the students or other members. A blog is a great way for a person to learn how to create their own website. As specialized content management systems, weblog applications support the authoring, editing, and publishing of blog posts and comments, with special functions for image management, web syndication, and post and comment moderation.

The main aim of developing this platform is to create a team blog, allowing multiple bloggers to contribute to a single blog. We select which team members have administrative authority and which are authors only. We can also choose to make our blog private and restrict who can view it.

III. METHODOLOGY

First, a login page that verifies that the user has permission to access the back panel. If the validation is successful, the user will be processed on the main screen and will see many blogging options depending on their access level. Various basic activities you can perform on any blogging system:

- Add your favourite content.
- Edit the published blog to correct the facts and numbers.
- You can also add or remove posts if they have access.
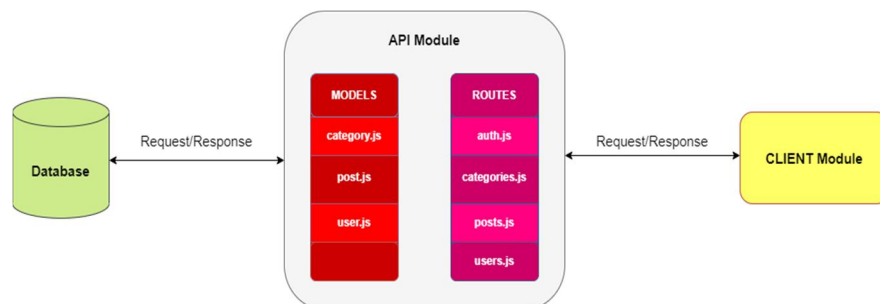- You can also update your Login Credentials.

Figure: Application Programming Interface

- **React JS:** React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. React is a declarative, efficient, and flexible JavaScript library for building user interfaces. It allows you to compose complex user interfaces from small, isolated pieces of code called "components". It is maintained by Meta and a community of individual and corporate developers. React can be used as a base to develop single pages or mobile apps.
- **Node JS:** Node.js is an open-source, cross-platform, backend JavaScript runtime environment that runs on top of the V8 engine and executes JavaScript code outside of a web browser. Anasynchronous event-driven JavaScript runtime, Node.js is designed for building scalable network applications.
- **MongoDB:** MongoDB is an available document-oriented, cross-platform database program. Classified as a NoSQL database program, MongoDB uses JSON-style documents with optional schemas. MongoDB is developed by MongoDB Inc. and licensed under the Server-Side Public License.
- **API:** Application programming interfaces (APIs) are connections between computers or computer programs. This is a type of software interface that serves other software components. Documents or standards that

describe how to create or use such connections or interfaces are called API specifications. Computer systems that comply with this standard are intended to implement or make APIs available. The term API may refer to either a specification or an implementation.

IV. CONCLUSION

This paper describes we explored current market trends and outdated technologies. It is still in use, so the potential for further improvement is limited. Along with this we also studied the scope of the problem statement and understood the problems associated with it. After a thorough discussion, we have a clear and concise idea on how to fix it problem statements and system recommendations that allow us to develop a system currently on the market with the opportunity to learn industry-level developments awareness. We would like to say that the "Blog Web App" is a stable and easy to use platform. It has a secure authentication mechanism implemented using the latest tools provided by respective frameworks. It provides an ad-free experience to its viewers, resulting in more user screen time. Since it is a web application, it can be accessed from anywhere users with stable internet connection.

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