Modern Blog WebApp

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Abstract— **Challenge is to prepare a blogging platform for mobiles and a website to support and publish those blogs online. As number of people using the mobiles increasing, it will be much easier for people to read, write and post comments using mobiles. Challenge is to give a medium for people to express their opinions online very easily and allow reading that any time from anywhere. Challenge is to develop, integrate and deploy different technological components to make an easy Blogger on mobiles. Mobile Blogger Project Proposed solution is a Windows mobile client application which will allow users to search and selectively download the blogs through the help. Users can save those blogs for later read. Mobile Blogger allows users to create and publish blogs online and also allow reply to the existing blogs. Mobile Blogger allows users to write and keep the blog as a draft until it is fully ready for posting online. Proposed solution also contains a web site to host the blogs online and a web service to interact the web site and the windows mobile client application. Mobile Blogger can be developed further to have interactions with the existing blogging sites and can be act as a feed provider for all the blogging sites online.**

Index Terms: **blogging, GraphQL: database, Organization, Next.js**

1.INTRODUCTION

A blog is a sort of website that is updated with new content on a regular basis. Blog posts are short, casual writings that appear on most blogs. Text, images, videos, and other media are generally included in these posts. A blog is essentially a platform on the Internet where you may record and share your thoughts, experiences, and interests. If you spend a lot of time on the Internet, you've probably come across a blog post before, even if you didn't recognise it. Because they're authored by a team of people who are paid to update the blog with fresh pieces multiple times a day, some of the most popular blogs resemble online magazines.

The bulk of blogs, however, are written by a single person. As a result, the average blog is quite personal, reflecting the writer's personal interests and personality. In this article, we'll concentrate on this form of blog.

Bloggers are individuals who write blogs. You would imagine that bloggers are all young, politically active, and tech-savvy based on what you hear on the news. Perhaps you've heard of bloggers who wrote about incredible adventures or ambitious initiatives and then transformed their blogs into best-selling books. While some bloggers fulfil these categories, the vast majority do not. In truth, there is no such thing as a "typical" blogger; blogs are created by people of diverse ages, backgrounds, and professions.

Most procedures are now centralized, licensed by the critical authority, controlled, measured, and monitored in a diagnostic legal system, which may be a problem for a transparent cordiality process in and of itself. Regardless of their primary motivation for blogging, most bloggers have at least one trait.

The infographic on the previous page shows that the majority of bloggers see blogging as a hobby. It can be a time-consuming endeavour, since many bloggers commit several hours per week to writing blog posts, replying to comments, and other tasks. So, what makes people want to do it in the first place? There are many reasons why people blog, but here are a few of the most common:

(i) to share your knowledge and experiences (ii) to make a remark on a topic that interests you (iii) to increase one's involvement in interests and passions (iv) to advance or start a writing career

As indicated by the infographic on the previous page, the majority of bloggers consider blogging to be a hobby. Because many bloggers dedicate several

hours each week to generating blog articles, responding to comments, and other activities, it can be a time-consuming pastime. So, what drives them to do it in the first place? They're passionate enough about a topic to write about it on a regular basis, usually for free. If you have a passion for anything, you could enjoy writing about it on your blog. You have unfettered liberty and flexibility to express your thoughts and share your passions with others when you start your own blog. Blogging for a living Some people blog with the purpose of making money. People make money from their blogs by displaying advertisements, selling, or combining the two.

2. LITERATURE REVIEW

A. Existing System

Other existing software is freely accessible to anyone, and confidential data is not protected. Students used to write only for their teachers in the past. It's difficult for them to get excited about writing something that no one else will see, on a topic that appears to have no actual application outside of the classroom.

The site also has a dark side, with some restrictions on how users can use its features and capabilities. One of the biggest drawbacks of Blogger is that it can only be monetized with Google advertisements. Because Google dislikes competition, it uses an exclusive ad solution in Blogger for Google ads alone.

Google owns the site because it controls the types of advertisements that can be displayed on your blog. Because of the ownership issue, a blogger should be aware that any content they publish on Blogger may be lost if Google decides to shut down the platform. As a result, anyone who uses Blogger should make a backup of their information because their blog site may be destroyed by Google without warning.

Another flaw with the Blogger template is that it lacks the plugins that WordPress, its competitor blogging platform, offers in plenty. Professional bloggers can alter the template a little, but they don't have complete control over their blog sites. Because of the restricted functionality and designs available in Blogger templates, another disadvantage of utilizing Blogger is the creation of duplicate or similar blog sites. It's difficult to construct a professional-looking blog site because there are only a few template styles to pick from. You will almost always be disappointed if you discover another site with the same style as your blog.

B. New System

This blogging platform has grown into a formidable organization that exists solely online. The ongoing contact that occurs through regular publishing, commenting, promoting, or simply reading is what keeps our organization alive. The emergence of corporations keeping company blogs has helped to liven things up, albeit personal blogs continue to be the most popular. Blogs have already established themselves as a mainstream media medium. It's fascinating to note that the genuine rise of blogging isn't due to individuals adopting this powerful publishing tool to share their ideas with the rest of the world. The mainstream media's demand for a cheaper, faster, and near-real-time platform to deliver its news appears to be driving the credibility and expansion of blogs in the future.

Because the blogging platform offers so much profit and so many other benefits, many more individuals may begin blogging, and there will be greater rivalry in the sector of blogging as a result. Many businesses hope to market their products through blogs that attract a large number of visitors, which could help bloggers earn more money. The scope of blogging is about to expand dramatically, and now may be the best time for you to get started.

Blogging is frequently regarded as an effective means of communicating with clients. For customer relations concerns, many organisations have discovered that using a forum or support ticket system is a much more efficient method. Blogs, unlike other websites, must be updated on a regular basis. A once-a-week update is the absolute minimum, and three times a week is even better, according to the consensus. This entails coming up with new ideas for articles and finding the time to compose them throughout the week. This may be too much of a commitment for the casual blogger. There are other, simpler ways for Internet marketers to spread the word about their product or service.

Another appealing element is the plain, simple, and quick procedure of publishing content. The Blogger platform's themes can be highly customised without requiring technical knowledge or skills to construct a blog site. A blogger might experiment with many

designs for their website until they find the one that best suits their needs. Another interesting piece. Finally, I want to express my gratitude to all of my colleagues and members of the Computer Science and Engineering department for their support and assistance, whether directly or indirectly.

The figure below (Fig.1) shows the basic representation of how backend is established in a private, block-diagram connection.
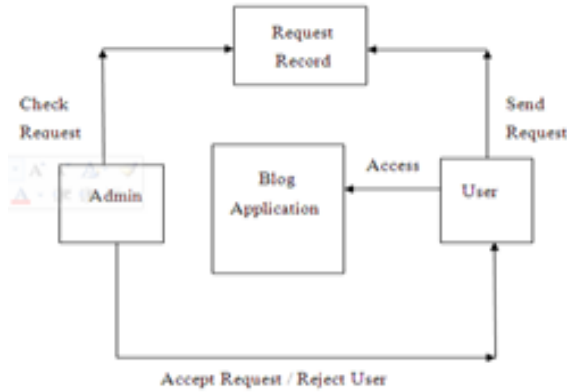

Fig.1 Connectivity System (Decentralized)

3. WORK DONE

A. Introduction

(i) Purpose: This platform provides a space for employees to upload or share expertise across the company. This provides thorough information on users' or students' functional and non-functional requirements, i.e. whatever they want to discuss, they can easily post on their blog, which can be accessed by any organization member. The goal of the purpose is to share information in a formal or secure manner.

(ii) Scope: Teachers and students can use this platform to establish their own blogs. Teachers can simply convey essential organizational notices to their pupils utilizing this blogging platform. Students can provide the organization with comments and feedback. If someone is unable to communicate their thoughts in front of others, they can use the blogging system to do so.

(iii) Overview: This approach makes it simple for teachers and students to stay in touch when they leave a particular organization.

B. .Interface Requirement

GUI 1: Options such as Home, Registration, About Us, and Contact Us should all be available from the main menu.

GUI 2: Blog details should be displayed on the front page, along with some instructions for blog users.

GUI 3: In registration, there is one registration form for the member of organization. They fill this form and wait until approved by the admin.

GUI 4: The Login form may be found on the Home page. This is where the admin and valid user can log in.

GUI 5: In About us, the organization details and developer details are mentioned.

GUI 6: For members who use this system, the contact details of the college are provided in Contact us.

C. Application

It functions as a daily diary- Weblog programmes support the authoring, editing, and posting of blog entries and comments as specialized content management systems.

Image management, online syndication, and post and comment moderation are all included in this system.

This platform allows organization members to communicate with one another.

E-mail sending enables admins to send approval emails to members, as well as members to retrieve their passwords via e-mail.

D. System Testing

System testing is an important part of quality assurance since it is the final assessment of the analysis, design, and coding. Because it meets the overall testing aim, test case design focuses on a collection of approaches for creating tests. When a system is created, it is hoped that it will function correctly. The primary goal of testing an information system is to identify and repair mistakes. Both manual and digital operations should be included in the scope of system testing. The term "system testing" refers to a thorough examination of programmes, manual methods, computer operations, and controls.

System testing is the process of determining whether or not the developed system meets the objectives and requirements. All testing must be carried out under the stated test circumstances.

The administrator has the power to allow members to create their own blogs. For viewing the blog, each

member should have their own user name and password. The member can change their password at any time by entering their current password.

Other technologies also implemented which is as follow:
1.   Recaptcha for character identification.
2.   E-mail linking.
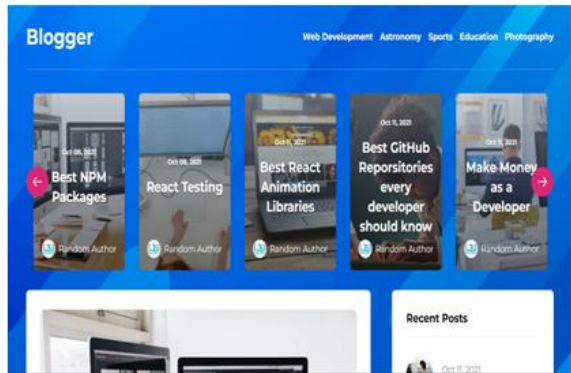3.   Admin approval.
4.   Http protocol for access.

Fig.2

In Fig. 2, we can see the landing page of the website, where user do have the option to log in and sign up.
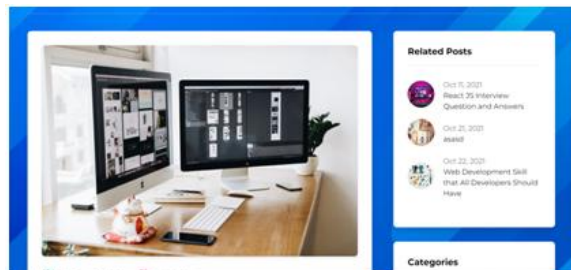

Fig.3

Inn Fig.3 we can see the user where details have to be inserted

4. TOOLS

The prototype application was built and tested on a test network. It was built using the following tools:
JavaScript: JavaScript is a dynamic, weakly typed programming language with first-class functions that is based on prototypes. It's a multi-paradigm language that may be used for object-oriented, imperative, or functional programming. The ECMA Script language standard formalised JavaScript, which is largely used as client-side JavaScript. To provide richer user interfaces and dynamic webpages, it is implemented as part of a Web browser. This

allows access to computational objects in a host environment via programmatic means. JavaScript is also widely used in applications other than Web pages, such as PDF documents, site-specific browsers, and desktop widgets. Newer and faster JavaScript virtual machines (VMs) and frameworks based on them (particularly Node.js) have also boosted JavaScript's appeal for server-side web applications. The syntax of JavaScript is influenced by that of C.

Netlify: Given the range of Netlify's products and capabilities, there's a considerable chance you're unaware of anything Netlify has to offer that may help you deploy modern web apps more effectively! For example, most users of Netlify's Continuous Deployment may prefer to use Custom Domains and Managed DNS. Alternatively, you might utilise Netlify Forms for contact pages and file uploads, oblivious to the fact that form submissions may be sent and retrieved via JavaScript. You might also want to get started with serverless functions but aren't sure where to start. Despite the fact that the Netlify team has produced incredible documentation, blog posts, and talks, talks, talks, everyone learns differently!

Node.js: Node.js is a server-side platform built on top of Google Chrome's JavaScript engine (V8 engine). Node.js was developed by Ryan Dahl in 2009 and its latest version is v0.10.36. All the APIs in the Node.js library are asynchronous, i.e. Essentially, this means that a Node.js-based server should never expect an API to return data.

GraphQL: It is both an API query language and a runtime for executing those queries using your current data. It allows clients the power to ask for exactly what they need and nothing more, makes it easier to evolve APIs over time, and enables powerful developer tools by providing a clear and intelligible description of the data in your API. In a single request, obtain a large number of resources. GraphQL queries allow you to access not only the characteristics of a single resource, but also the references between them. GraphQL APIs get all the data your programme requires in a single request, whereas traditional REST APIs require loading from numerous URLs. Even on sluggish mobile network connections, apps that use GraphQL can be fast.

Next.js: The Production React Framework Next.js provides the finest development experience with all

of the capabilities you'll need for production, like hybrid static and server rendering, TypeScript support, smart bundling, route pre-fetching, and more. There is no need to configure anything.

5. CONCLUSION

While developing the system, a conscious attempt was made to construct and develop a software package that would generate a proper case system using available tools, methodologies, and resources. The system was designed with the goal of being as user-friendly as possible. As a result, it is reasonable to expect that the system will be acceptable to all users and will sufficiently meet their requirements. There have been certain flaws in the development of this system, as there have been in any system development process with a number of flaws.

The purpose of this paper is to explore the importance of Advanced blogging is a sort of website that permits a large number of entries to be made by the organization's members. A blog is an excellent approach to learn how to make one's own blog. Blogger is well-known for being one of the most popular blogging platforms, particularly for businesses. This advanced blogging has made the site famous because it is free and allows everyone to run their own blog without having to worry about the technical aspects of hosting it.

6. ACKNOWLEDGEMENT

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