

Micro-Blogging Website

MINI PROJECT

SYNOPSIS



Department of Computer Science & Engineering
Institute of Engineering & Technology

Submitted To :

Ms. Ruchi Talwar
(Technical Trainer)

Submitted By :

Anuj Ruhela (201500121)
Naman Saini (201500427)
Nandini Shrivastav (201500430)
Snigdha Singh (201500698)
Yashank Tiwari (201500828)

Acknowledgement

It is a pleasure for us to present the Mini project which is made during B. Tech 3rd Year (5th Semester). We take this opportunity to express our deep sense of gratitude and respect towards our mentor, Ms. Ruchi Talwar, Technical Trainer, Computer Science & Engineering Department, for encouraging and motivating us to develop this project.

Her sincerity and determination has been a constant source of inspiration for us. We also believe that she will empower us with all her great innovative ideas and different stages of the project. We would not like to miss the opportunity to thank and acknowledge the contribution of all the faculty members of the department for their kind guidance and co-operation.

Anuj Ruhela (201500121)

Naman Saini (201500427)

Nandini Shrivastav (201500430)

Snigdha Singh (201500698)

Yashank Tiwari (201500828)

Abstract

The study described in this research report focused on variables which were posited to capture users' experiences of the online doubt solving service, discussion forums, and connection amongst the users according to their interests and personal opinions.

It is a query discussion & blogging website where people visit to explore information. Every piece of content on the site is generated by users, meaning it is created, edited, and organized by the same people that use the website.

Some of the main highlights of our website includes:

- i) It allows users to create social networks and follow topics that interest them.
- ii) It focuses on high-quality questions and answers.
- iii) It enable users to vote on answers to highlight the most accurate information possible.

In a world full of search engine options, finding the one that best fits your personal preference is important. Our website is a great tool for anyone looking to find and share of information, especially if you enjoy a more social and conversational experience when researching.

Declaration

We hereby declare that the work which is presented in this project entitled '**Micro Blogging Website**' in partial fulfilment for the award of degree Bachelor of Technology in Computer Science Department , **GLA University, Mathura**, is our work carried out for a period of **September 2022 to November 2022** under the guidance of Ms. Ruchi Talwar (Technical Trainer) GLA University, Mathura.

Anuj Ruhela (201500121)

Naman Saini (201500427)

Nandini Shrivastav (201500430)

Snigdha Singh (201500698)

Yashank Tiwari (201500828)

Content

Acknowledgement

Abstract

Declaration

- 1.** Introduction
- 2.** Project Description
- 3.** Working
- 4.** Hardware / Software Requirements
- 5.** Implementation
- 6.** References

Introduction

Microblogging is specific form of blogging that focusses on short audience interaction. It allows users to write brief text updates and publish them publicly, through social media sites, or privately, through instant messaging, text messaging or e-mail.

The emergence of modern technologies has had profound impacts on the every person, technology being integral part of the learning process, it also leads to many confusions among people.

Microblogs are relatively easy to get started with.

The main advantages of micro blogging website are:

1. Users could get much information at one place instead of going through multiple Google searches and links.
2. Users could get answers from other users without even contacting them.
3. Users can get and give information.
4. It is knowledge oriented, not person oriented.

It allows the user to deliver concise text and multimedia content to the audience without long texts and content.

Unlike blogging, which is a one-way communication, micro-blogging allows you to engage with your audience in real-time.

Project Description

The purpose of this project is to develop a full-fledged full stack website application for various purposes, such as :

- i) Micro bloggers can share short messages more often when compared to writing longer, more in-depth traditional blogs
- ii) Providing users a platform to discuss their queries among themselves.
- iii) Can easily post and read content according to their interests.
- iv) Organizations can use microblogs as a form of content marketing by sharing images, promotions and links to their products.

Working

The web application has a main module in which users have to register themselves by any one option out of the following :

- i) By providing personal details
- ii) By using third-party applications
 - Google
 - Facebook

The registration will be successful only after authentication of user's contact number.

After the authentication the user will have to provide his/her area of interests, based on which certain posts will be shown on their feed. Also they can update their interests at any instance of time.

One will be able to set their profile picture.

They can also provide their brief description about themselves which will be visible on their profile.

Users will be able to post a blog, ask any question or answer the questions asked by others.

Users could edit questions and answers anytime. Users could also edit any question on the website and suggest edits for others answers.

Hardware & Software Requirements

- HTML5, CSS3, JS, ReactJS, Python
- MongoDB
- VS Code
- Git Bash
- GitHub
- Internet Connectivity
- 1 GB RAM
- Brave / Google Chrome/ Opera / Safari / Microsoft Edge /
Mozilla Firefox

Implementation

HTML is used to build the basic structure of the website. CSS is then used for designing the website. JavaScript is a scripting language that is used to create dynamic and interactive web content. Because JavaScript is an interpreted language, it makes the website very smooth and fast.

React is a JavaScript library. Its code is written in JavaScript, including the HTML markup which is written in JSX. This enables the developers to easily write HTML and JavaScript together.

MongoDB is an open-source NoSQL database management program. It is built on a scale-out architecture that has become popular with developers of all kinds for developing scalable applications with evolving data schemas. As a document database, MongoDB makes it easy for developers to store structured or unstructured data. It uses a JSON-like format to store documents.

References

Websites :

- i) <https://developer.mozilla.org/en-US/>
- ii) <https://www.w3schools.com/>
- iii) <https://css-tricks.com/>
- iv) <https://www.google.com>
- v) <https://www.youtube.com/playlist?list=PLTjRvDozrdlxEluOBZkMAK5uiqp8rHUax>

Books :

- i) Eloquent JavaScript by Marijn Haverbeke
- ii) HTML and CSS: Design and Build Websites – by Jon Duckett

Faculty Guidelines :

Ms. Ruchi Talwar (Technical Trainer at GLA University)

GitHub Repository Link :

https://github.com/yashanktiwari/Mini_Project