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Querify - Educational Social Network

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Abstract

Nowadays, people have demonstrated a huge amount of internet usage, and surprisingly, students have demonstrated more and have consumed a lot of time using social media sites. Not only the college students but also the educators and believe in social media sites because in general social media and the internet were very helpful.

In this paper, we overview how technology can be beneficial for society. The purpose of this project is to provide a platform for students to raise their questions in the community who can help them clear their doubts. We aim to build a community of people who have domain knowledge and can help each other.

This study is an attempt to examine the application and usefulness of social media and mobile devices in transferring the resources and interaction with academicians in higher education institutions across the boundary wall. The study revealed that online social media used for collaborative learning had a significant impact on interactivity with peers, teachers and online knowledge sharing behavior.

Additionally, interactivity with teachers, peers, and online knowledge sharing behavior has seen a significant impact on students' engagement which consequently has a significant impact on students' academic performance. Based on this finding, it would be valuable to mention that the use of online social media for collaborative learning facilitates students to be more creative, dynamic and research oriented. It is purely a domain of knowledge.

This paper also explains why we are using technologies like React JS, Redux for frontend and firebase for backend and for deployment we have used Netlify.

Introduction

Our website "Querify" is an Educational Social media Website. It aims to provide help to the students in their subject related questions. A registered user in querify can ask the questions, share their queries with images and they can also communicate via chat feature to resolve any type of queries. Raising questions is the most important part when we face a problem in some questions, so this website plays a big role in such cases. The asked questions get answered by the users in querify.

The use of social networking in education, coupled with face-to-face engagement, can enable greater inclusiveness for learners, although the role of teachers needs to be well supported to develop successful digital pedagogies.

On the other hand, sometimes some students misuse the internet because they want to connect to other sources such as games, comments from friends which it doesn't connect to the learning process.

This website stands out from other similar websites by providing the group chat feature where students can discuss topics and queries.

Purpose of the study was conducted:

1. Is there any positive way or negative way of using social media, Facebook, and the internet for the education process?
2. Is there any different way of using social media, Facebook and the internet between students and lecturers?
3. Is there any big opportunity of utilizing social media, Facebook, and the internet in the university Program to deliver learning content and engage students and lecturers in ways not previously possible?
4. Is there any implication of social media for education?

Querify uses the latest technologies and a strong database to ensure the privacy of the user's credentials.

A. React JS

React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications.

B. Redux

Redux is an open-source JavaScript library for managing and centralizing the application state. It is most used with libraries such as React or Angular for building user interfaces.

C. Firebase

The Firebase Realtime Database lets you build rich, collaborative applications by allowing secure access to the database directly from client-side code. Data is persisted locally, and even while offline, real-time events continue to fire, giving the end-user a responsive experience.

D. Netlify

Netlify is a web development platform that multiplies productivity. By unifying the elements of the modern decoupled web, from local development to advanced edge logic, Netlify enables a 10x faster path to much more performant, secure, and scalable websites, and apps.

Literature Review

The Internet is a maelstrom of information, most of it real, and much of it false. Efforts such as Wikipedia have shown that collectively, Internet users possess much knowledge on a wide range of subjects, the knowledge that can be collated and curated to form valuable information repositories (Eichhorn, 2008). As evidenced by the number of active users, social media platforms are a huge success. There has been a plethora of social media platforms in the age of the internet and social media, such as Facebook for user interaction, LinkedIn for professional networking, stack Overflow for technical queries etc. (Kristina, 2011). In the last few years, community question-and-answer (Q&A) sites have provided a new way for users to crowdsource the search for specific detailed information, much of which involves getting first-hand answers to specific questions from domain experts. Along the same line, Querify is a 'Question and Answer' platform that is built around a community of users who share knowledge and express their opinions and expertise on a wide range of topics.

Question Answering sites such as Yahoo and Google Answers have been around for the last few decades, but they have struggled to maintain the content value of their topics and answers due to a large amount of junk information posted. As a result, users must create more efforts to find exactly what they require. Querify is an application for quality content that allows users to get first-hand information from other users or experts in the field.

Our analysis reveals interesting details about the operations of Querify. We find that while traditional topic-followers generate traffic, social relationships help bring a significant number of answers to questions, and generally provide much higher quality answers than strangers. Most surprisingly, we find that the related-question graph plays a significant role in funneling user traffic and attention to key questions on a given topic.

Using social media in a learning process begin to rise significantly and is likely to imply for education practice and provision, especially in term of connecting with their students or with their colleagues, to access news and appear on their walls (Siddiqui and Singh, 2016; Kane et al. 2014). Learning that is based on individualized instruction. This fact can be used within a classroom situation to create more value for learning.

As with any Q&A, it is critical to organize the content in a specific way to entice users to become active participants by posting questions and sharing their knowledge in their respective domains of expertise. It is also critical that users do comment their thoughts on the multiple answers and can share for a semantically similar question.

Like Facebook, Querify is a social utility that helps people communicate more efficiently with their friends, family, and coworkers. Now, this application can be used to connect educators and students that give the schedules, news, and everything. In fact, this notion of using social media as a learning tool has carried over to the business world. As a social network site, Facebook appears in public discourse while it is possible that educators have been reluctant to use it as a media for learning and teaching, but without disrupting the flow of work in the classroom, the lecturers and students can ask questions and responses on the lesson and post photos

or related sources with hyperlinks (Enjolras et al. 2012). In this way, everyone remains on the same page with few interruptions. On the other side, in Querify, users can enter a topic of interest into the search bar to see what questions people have about it. This allows market researchers to keep track of what's trending and what people are expecting. It's a great place to look for blog topics and keep tabs on competitors.

Querify has the potential to evolve into a valuable resource for millions of entrepreneurs, as well as one of the best sources for people who want to do something from the scratch or have doubts about it. Querify clears all the thoughts by answering those questions. The answers come from another active user who has professional knowledge about that topic. Here, the network creates a great factor among the users who make it works. The other users can read the answers and enhance their knowledge. The application helps users to learn from the question/answer features and news sections.

It contributes to the development and the learning of the users, their intellectual thinking, strategic thinking, cognitive thinking. The application is built to spread more knowledge through its like and share options which can be used by the users who would like to share a particular question with its answers. Users can do this to get more satisfactory answers to explore more knowledge about that topic. It also includes editing options that users can use to current their spellings and grammatical mistakes. And another feature includes the commenting section. Users have the freedom to share their thoughts and their ideologies on the answers

Additionally, Querify involves features where users can search for career opportunities according to their requirements and their qualifications. The goal is to connect users with the working professionals and foster exchange and networking opportunities, especially, it would provide opportunities for the youngster who are freshers and searching to start their careers. The mission is to help freshers and young unemployed populations help their career professionals succeed by providing networking opportunities, job listings, industry news, and insights from professionals in the field, they can even ask questions regarding their career and opportunities to clear their doubts. Querify users can accustomed to presenting themselves on more personal social media platforms such as Facebook and Instagram. This can result in young adults shifting their focus to a professional network.

Furthermore, the benefit of Querify is to give a familiar atmosphere to users and its design promotes social interchange between participants, thereby increasing collaboration between users sharing their own thoughts; also, the users can take this opportunity to teach others by sharing their experiences, skills and knowledge with such app including social networking sites, so it helps their future—not the opposite (Kalplan and Kaenlein, 2010).

This focuses on the details about the project- Querify. We analyzed that traditional topic-followers generate traffic; social relationships help to generate a significant amount of quality answers to questions. Surprisingly, we found that the related-questions graph plays a rational role in funneling user traffic and attention to key questions on a certain topic.

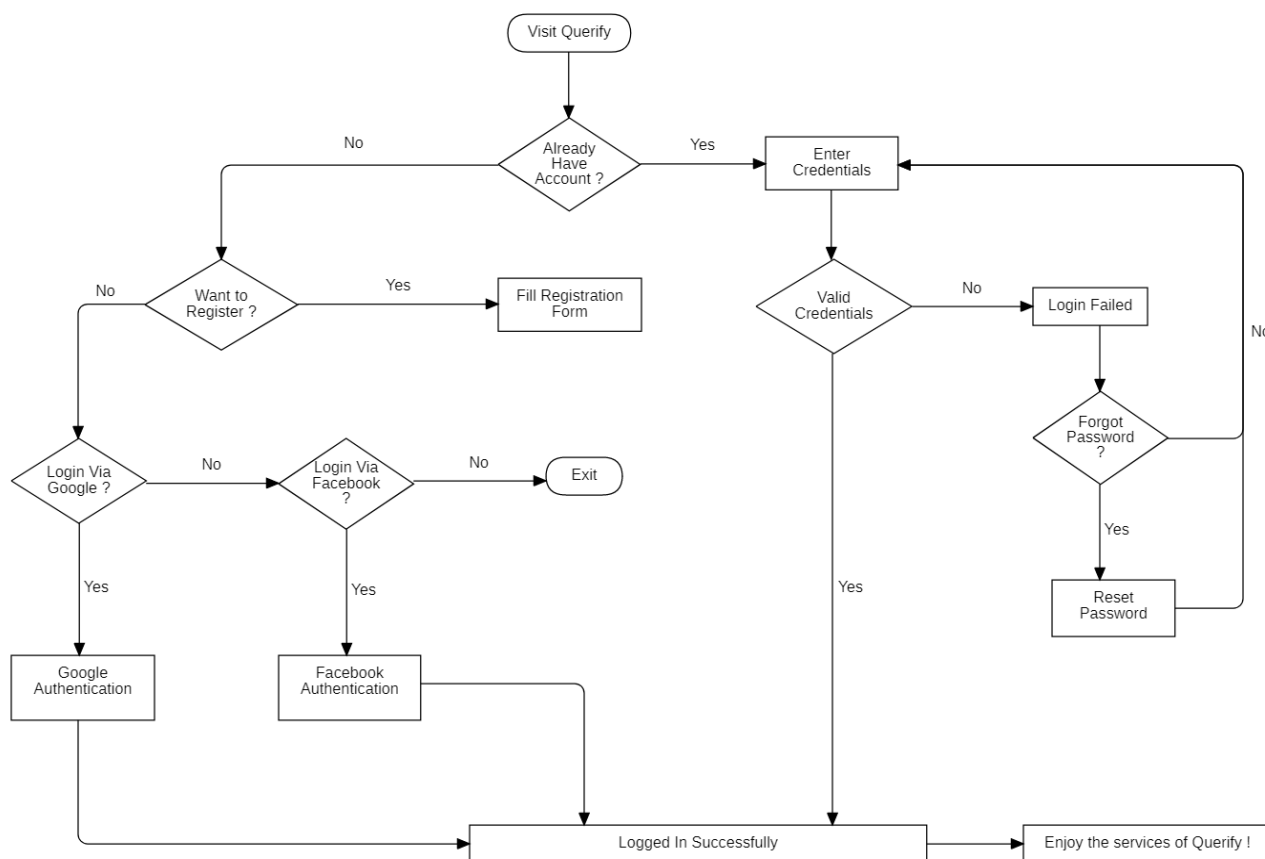
Methodology

The purpose of querify is to ask and respond to queries. It is not a simple social media website you can benefit by asking lots of queries. the difference between Google and querify is that an actual person can explain things to you.

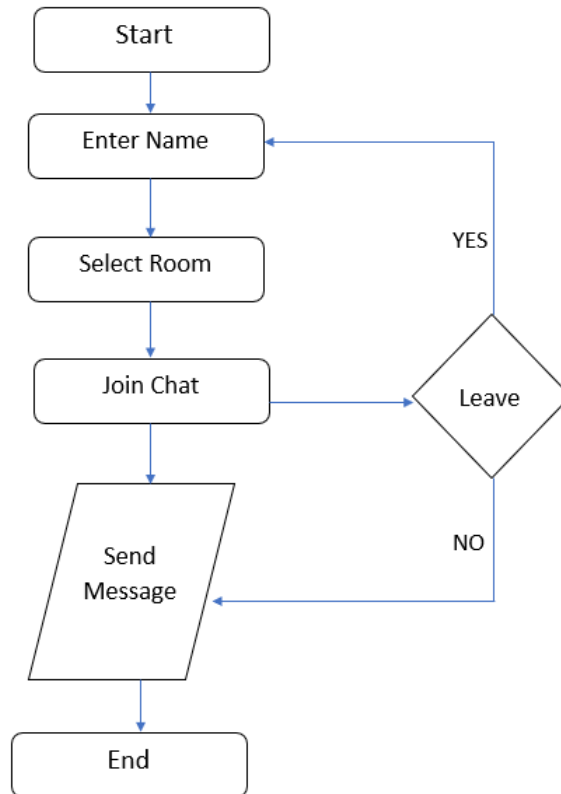
Querify is the platform that enables the interactive web by engaging users to participate in, comment on and create content as means of communicating with their social graph, other users and the public which have content formats including text, photographs. It can be said that social media is the tools, services, and communication facilitating the connection between peers with common interests.

With the growing repository of knowledge base, there is an opportunity for Querify to maintain user trust and content quality. The application effectively organizes the data using modern data science approaches to provide the best quality questions and their answers.

Flow Chart of Login Page



It provides you some quick authentication facilities by which you can register or login through ‘Google’ & ‘Facebook’

Flowchart of Group Chatting System:

The Group Chat Feature in Querify enables Users to Connect with each other in chat room based on their interest. After joining the chat room user can send instant messages to each others.

All the members joined the chat room are allowed to send the messages and communicate there without any restriction. The major advantage of this group chat feature in Querify is users can quickly resolve their doubts within minutes.

If a user wants to change the chat room they can quickly leave the room and join another available room based on their interest.

Features:

- User can quickly join the room just by entering the name and there is no need of email or password to enter the room.
- There is no limit of a user in a single room, unlimited users can join.

Main Features

- ✓ **Search Page:** You can simply search for a topic in the search box at the top of Querify at any time, select it to open its page, new and relevant questions from that topic will be added to your feed.
- ✓ **Add Question:** You can also start typing your question into the search bar at the top, you will be shown search results based on what you've typed, if you can't find what you're looking for, go ahead and ask your own question there is sperate button at the top-right of the page, from where you easily add your question.
- ✓ **Vote:** You can upvote or downvote the content, an upvote means the person is agreeing to your answer or your answer has fulfilled her/his query. A downvote means they disagree to your answer, there can be many reasons for the same. An upvote, uplifts your answer providing some more views and again more upvotes. A downvote may collapse your answer.
- ✓ **Share:** You can share any post with your friends, or you have option to share on different social media platforms.
- ✓ **Group Chat:** User can join rooms in this platform. it gives you the ability to send instant messages to others More Specifically, you can chat with multiple people.

Use of Data Collection:

One of the most important applications of user data is to inform development and design decisions. Both explicit feedbacks provided from users and insight gained by interpreting user behavioral data from this site can provide guidance on how to improve our services.

Data Safety Protocols:

The Firebase Realtime Database lets you build rich, collaborative applications by allowing secure access to the database directly from client-side code. Data is persisted locally, and even while offline, real-time events continue to fire, giving the end-user a responsive experience.

Firestore Security Rules work by matching a pattern against database paths, and then applying custom conditions to allow access to data at those paths. All Rules across Firestore products have a path-matching component and a conditional statement allowing read or write access.

By authenticating your users and writing security rules, you can fully restrict read / write access to your Firestore data. In a nutshell, Firestore security is enforced by server-side rules, that you author, and govern read or write access to given paths in your Firestore data tree.

Limitations

There may be a possibility of delay in getting the solution of any queries. That totally depends on the availability of relevant user to provide the appropriate solution. There is no way to verify that the answers are correct without doing back-up research.

Many Querify users may have create their fake profile as an expert to get followers. Posts on Querify may consist of spammy backlinks. Querify is no dedicated to a certain niche.

Users can copy - paste the material from other websites to respond for any query.

Many Questions on Querify remain unnoticed by users while some questions get a bunch of responses.

Answers could be given from anyone. You would have to find the expert's answer from the list.

Haters can form group and down vote and report your content. Due to this you may get your content collapsed and less views on your answers and account banned too. All this can happen even if your content is good, and you didn't hurt anyone. Just because people hate you!

There are questions that may ask repeatedly with small changes. Querify doesn't do anything about it.

Querify merges questions that look similar, but it may change the meaning of the original question entirely.

Despite Querify being knowledge oriented, 'upvote culture' exists in Querify which is similar to 'likes' in Facebook. Querify has become another Facebook for immature people.

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Conclusions

Querify is a relevant field of education technology, and this still has a long period of evolution. For the students, it is a challenge to learn via social media, LinkedIn, or the internet, as the students should be very serious about adopting it.

There is no way for students not to learn seriously, if it happens, the students will go beyond the context of learning, since the learning process goes forward. with there is no negative way of using social media, Querify and internet, so, they can be viable for use in the learning process. It is important to work in different kinds of educational designs that enhance the use of social media, so the campus itself must follow the development of technology, advanced technology and learning innovation in the 21st century.

The implication of social media, Facebook and the internet in students and lecturers' perceptions are very important for future learning. at the same time, both students and lecturers are able to receive the new pedagogical potentials in learning English if they are given the opportunity to incorporate with assignments, feedback from two ways communication and collaborative work.