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Abstract: *The proposed project is a Web-Based Application that provides users a user-friendly interface for better experience. It overcomes the problem of using different applications for different features. As social media is a very important factor in analyzing modern society as a whole, their values, norms, and behaviors, as being a part of our everyday life. The web application has been developed to allow a user to follow specific accounts they know and categorize the posts on those accounts based on the user needs. The benefit of this project is that any user can communicate and spread smiles while being connected to each other, and it enables anyone to have better insight about society as a whole, their values, norms, what they find interesting, and many other things. This tool is also useful for different companies to track the user feedback on social networks for their products and be vast in their respective fields.*

Keywords: Web-based, user-friendly interface, social media

I. INTRODUCTION

Social media, such as blogs, podcasts, social networks, wikis, or mobile applications and games are redefining communications channels, and also communication theories and practices. Content on the web must refer a lot of platforms and should be measured according to each of them. Social media measurements are difficult process that must catch conversations, behaviors impacts, modes of communication, and relationships between people.

1.1 Objective

The project can be implemented to create a social media platform with all interesting features. It can be utilized by people to connect with friends and family online.

1.2 Existing System

The existing platform all has good features and functionality, but not all the best features on the same platform. This project is aimed towards bringing all the best features together on a single platform.

II. LITERATURE SURVEY

2.1 Design and Implementation of a Social Media Based Web Application for Prospective University Students (2014)

The internet has been a platform for individuals, groups of people and companies to interact with one another through the social media. The social media has truly aided interaction and even other business services through social networks, forums, blogs, etc. Forums are now been used as tools/platforms to create discussions, connect to people (mostly of similar interests) and as sources of relevant information. This work intends to make use of forums as tools in helping prospective university students to make the right decisions about their choice of career, choice of environment, etc.
Based on an in-depth review of some relevant literatures, some key requirements have been considered in the development of a suitable web application. This online forum will be developed for students to cater for some of their needs and solve some of the issues they face with their choice of career, their course of study, the accessibility of relevant information about any institution, etc.

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2.2 Advances in Social Media Research: Past, Present and Future (2018)

Social media comprises communication websites that facilitate relationship forming between users from diverse backgrounds, resulting in a rich social structure. User generated content encourages inquiry and decision-making. Given the relevance of social media to various stakeholders, it has received significant attention from researchers of various fields, including information systems. There exists no comprehensive review that integrates and synthesizes the findings of literature on social media. This study discusses the findings of 132 papers (in selected IS journals) on social media and social networking published between 1997 and 2017. Most papers reviewed here examine the behavioral side of social media, investigate the aspect of reviews and recommendations, and study its integration for organizational purposes.

2.3 Design and Implementation of a Social Networking Platform for Cloud Deployment Specialists (2015)

A new discipline at the intersection of the development and operation of software systems known as DevOps has seen significant growth recently. Among the wide range of tasks of DevOps professionals, we focus on that of selecting appropriate cloud deployments for distributed applications. Despite the advent of automated software deployment and management frameworks, reasoning about good deployments still requires interaction with experts, often through discussions on online technical forums and social networks.

In recent years there have been several efforts to provide DevOps professionals with the tools that they need to address challenges in developing, deploying, and managing large-scale applications. To bridge across different development and deployment environments, especially in the cloud computing space, configuration management systems such as Chef and Puppet have emerged as solutions to codifying and executing management procedures (installation, deployment, etc.) around software components

2.4. Social Media Platforms for Social Good (2012)

The disruptive potential of social media in generating participation and networking has been readily exploited by marketers and politicians. The power of these digital networks can be used by individuals and groups for good causes, to have a positive impact on the society at large. Social media platforms are starting to be used by citizens for promoting social causes, creating community engagement to answer societal needs. Yet, precisely because social media platforms have a viral effect, they pose completely new challenges: (1) emerging from a crowded environment, (2) monitoring/managing the truthfulness of information and (3) taking into account cultural differences and preferences. Two exemplary cases of social campaigns based on social media platforms are provided - Kony 2012 and Soita Mummolle - to illustrate typical challenges and potential solutions. Future research directions are proposed.

III. METHODOLOGY

3.1 Front End Development (UI)

The top tier of the MERN stack is mainly handled by React.js. It is one of the most prominent used open source front-end JavaScript libraries used for building Web applications. It is famous for creating dynamic client-side applications. React will help you construct complex interfaces by using single components. It also connects those complex interfaces to data available on the backend server. React is used to create mobile applications (React Native) and web applications. React allows the reusability of code and can easily support it, which has many benefits and is much time saver. It permits users to create large web applications that can easily change the data of the page even without reloading the page.

3.2 Server

It is just next level from the top layer and is mainly handled by two components of the MERN stack, i.e., Express.js and Node.js. These two's components handle it simultaneously because Express.js maintained the Server-side framework, running inside the Node.js server. Express.js is one of the widely used backend development JavaScript Frameworks. It allows developers to spin up robust APIs (Application Programming Interface) and web servers much easier and simpler. It also adds helpful functionalities to Node.js HTTP (Hypertext Transfer Protocol) objects. Whereas on the other hand, Node.js plays a very important role in itself. It is an open-source server environment, and it is a cross-

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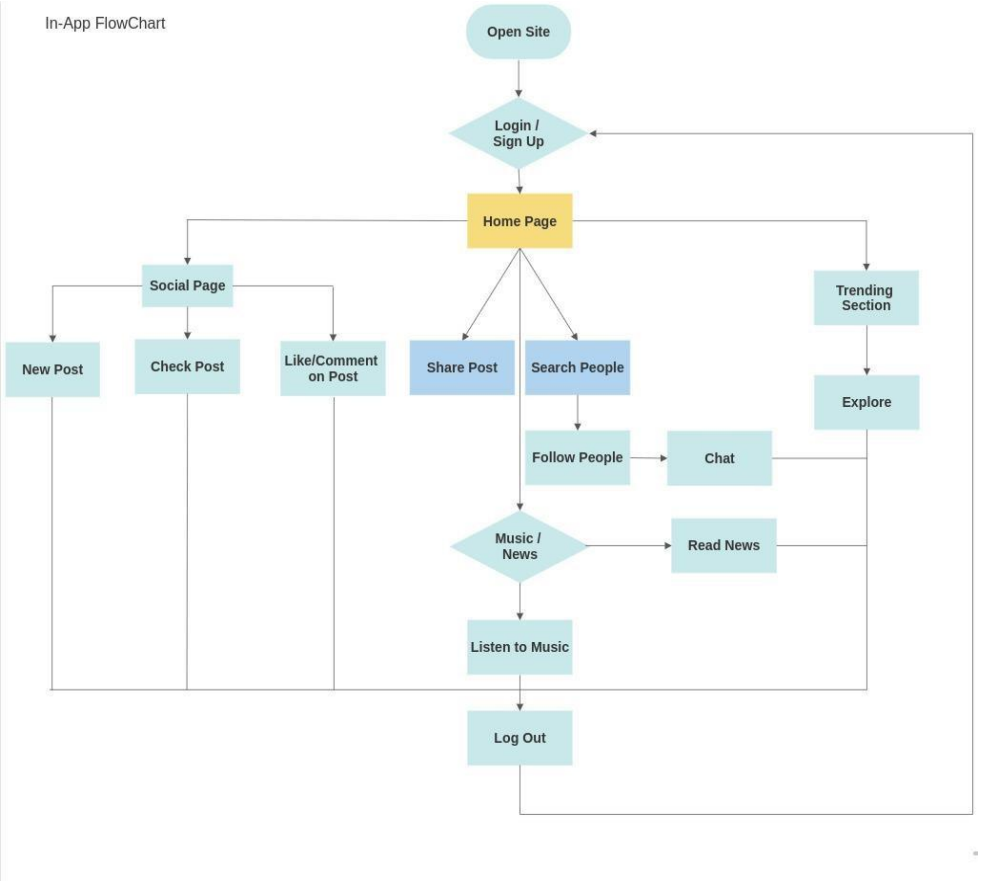
platform runtime environment for executing JavaScript code outside a browser. Node.js continuously uses JavaScript; thus, it's ultimately helpful for a computer user to quickly create any net service or any net or mobile application

3.3 Backend

It is one of the most important levels of the MERN Stack and is mainly handled by MongoDB; the main role of a database is to store all the data related to your application, for example - content, statistics, information, user profiles, comments and so on. It mainly stores all the data for safety purposes. It maintains a proper record, which usually returns the data to the user whenever required. It mainly stores the data in the database. It generates two or more replica files of the data so that whenever the system fails, it can retrieve the exact information or data that the user wanted earlier. It implies that MongoDB is not based on the table-like relational database structure. On the other hand, it provides an altogether different mechanism for the retrieval and storage of data. Mongo DB is the most popular NoSQL (NoSQL or Non-Structured Query Language) database, an opensource document-oriented database. The term 'NoSQL' typically means a non-relational database that does not require a fixed schema or proper relational tables to store the necessary data in it. for LaTeX and Microsoft Word. The LaTeX templates depend on the official IEEEtran.cls and IEEEtran.bst files, whereas the Microsoft Word templates are self-contained.

IV. FLOWCHART



V. REQUIREMENTS

5.1Mongo DB

MongoDB is an open source No SQL database management program. NoSQL is used as an alternative to traditional relational databases. NoSQL databases are quite useful for working with large sets of distributed data. MongoDB is a tool that can manage document-oriented information, store or retrieve information. MongoDB supports various forms of data. It is one of the many non relational database technologies that arose in the mid-2000s under the NoSQL banner- - normally, for use in big data applications and other processing jobs involving data that doesn't fit well in a rigid

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relational model. Instead of using tables and rows as in relational databases, the MongoDB architecture is made up of collections and documents. Organizations can use Mongo DB for its ad-hoc queries, indexing, load balancing, aggregation, server-side JavaScript execution and other features

5.2 Mern Stack

Mern Stack refers to a collection of JavaScript technologies used to develop web applications. Therefore, from the client to the server and from server to database, everything is based on JavaScript. MERN is a full-stack development toolkit used to develop a fast and robust web applications.

MERN is a user-friendly stack which is the ideal solution for building dynamic websites and applications. This free and open-source stack offers a quick and organized method for creating rapid prototypes for web-based applications' MERN stands for MongoDB, Express, React, Node, after the four key technologies that make up the stack.

- MongoDB — document database
- Express — Node.js web framework
- React — a client-side JavaScript framework
- NodeJs— the premier JavaScript web server

5.3 Javascript

JavaScript is a dynamic programming language that's used for web development, in web applications, for game development, and lots more. It allows you to implement dynamic features on web pages that cannot be done with only HTML and CSS. Many browsers use JavaScript as a scripting language for doing dynamic things on the web.

VI. CONCLUSION

In this paper, we have developed a new web-based application for better user interaction. In this system, we implemented MERN Stack for better development and Features for the users. Based on the obtained results from our prepared work, we conclude that the proposed can be more user friendly and reduce the number of tasks to shift.

VII. FUTURE SCOPE

As we all know that the world is advancing day by day new technologies come and go, many new methods are been introduced almost daily, therefore the demand of the new systems has been increased in every organization. Old systems have been replaced by new systems, so we used the latest skill that is MERN Stack. The new system can be:

- Mobile compatible.
- New Features.

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