IJARCCE ISSN (O) 2278-1021, ISSN (P) 2319-5940

International Journal of Advanced Research in Computer and Communication Engineering

Impact Factor 7.39 ⁜ Vol. 11, Issue 5, May 2022

DOI: 10.17148/IJARCCE.2022.115055

ADVANCE ANDROID APPLICATION FOR LAW AND ORDER USING DATA MINING

Mr. A. Aravindkumar [1], Mr.M.Rajkumar[2], Mr.D.Sasidharan[3]

Student, Dept.Of.IT, Kaamadhenu Arts & Science College,Sathyamangalam[1]

Assistant Professor, Department of CA&IT, Kaamadhenu Arts & Science College, Sathyamangalam[2]

Student, Dept.Of.IT, Kaamadhenu Arts & Science College,Sathyamangalam[3]

Abstract: One of the more intriguing project ideas that can be executed is the Android law system project. Our country's crime rate has steadily risen. The criminal provisions enshrined in our constitution are mostly unknown to the general public. The task would be much easier if they knew which legislation applied in which circumstance. This is a one-of-a-kind project idea. There are two options for implementing the android legal system project. The developers can put it in place while considering how the users will benefit from it. The administration can also be taken into account.

INTRODUCTION

The vast majority of people will be uninformed of the constitution's laws. People will be aware of current laws thanks to this application. This programme enables them to search for, identify, and comprehend the laws they require, as well as to improve their knowledge of those laws. They will have no idea what penalty will be meted out if a specific offence is committed. This is also something that will be mentioned in this application. It will also minimise the administration's workload because it will reduce their research time, and individuals will be more informed about the legislation. As a result, it will aid in the reduction of crime rates in the country. This application will also be implemented in another method.

MERITS

Crime is on the rise in our country, and most people are uninformed of the criminal rules codified in the Indian Penal Code (IPC) (Indian Penal Code). As a result, it is vital to educate residents on all of the laws against crime enshrined in our constitution so that people will come forward to file complaints. This initiative is being carried out specifically for this reason. The online law system project is a software system that contains all of the IPC's laws, allowing anybody to come and look up the law for specific offences. According to various terms, the laws are divided into separate divisions. There is also a search function where the user may find or search for what he is looking for.

- Users can get all information related to laws online.
- Users can register cases online without visiting offices.
- Users can find all lawyer information at a single place.
- The website is flexible and user friendly.
- Saves user time, cost and effort

LITERATURE SURVEY

[1] This project is simple to implement and has excellent technical assistance. The project keeps a larger number of lawyer and law details so that a user may quickly view and communicate with a lawyer. All of the software requirements were met. The criteria of the users have been met. For future reference and maintenance, adequate papers have been created and generated. Finally, this application can be used to raise public knowledge about laws. Almost all of the requirements were met by the project. Because the coding is primarily structured or modular in nature, further requirements and upgrades are simple to implement. Changes to current modules or the addition of new modules can be added to improve the situation. Several areas will be created in the future, thus the application will need to be upgraded to accommodate the new requirements, and it will be possible to make changes based on new requirements and specifications. The law system can be applied in the future by increasing the number of laws and IPC sections. A statistical approach can aid in gaining a better knowledge of the law. Searching for laws based on their recurrence allows for more efficient results. Opinion polls allow for interaction rather than just reading. The current updates are displayed on the timeline. Screening is aided by privacy. Social awareness is calculated using location-based grouping and predictive statistics. The current approach provides a read-only website, but we provide an Android application platform.

DOI: 10.17148/IJARCCE.2022.115055

[2] The design and development of the app discussed in this paper provided a solid understanding of the different problems related with app design and development. The experience has been tough, inspiring, and fulfilling all at the same time. Connectify is a network app that anyone may use for social and business purposes. The development was carried out with the use of available tools, methodologies, and resources in order to create a suitable system for the Connectify network. The system was designed with the goal of being as user-friendly as possible. The limits are satisfactorily fulfilled and surpassed. The system has been designed according to the decisions made during the design process. The system is simple to use and provides a hassle-free social networking experience.

[3] Android has quickly grown in popularity as a full, open, and free mobile device platform, thanks to its robust functions and positive user experience. This article provides a comprehensive overview of the Android application infrastructure and how Android apps work. Finally, a
music player for the Android platform was presented as an illustration of how this method works.

[4] This study proposes the development of an android-based messenger application that uses a method prototype and Google API to automatically translate languages. This programme was created to reduce storage space and to lighten a processor in order to run the applications indicated on the internal server. This application also has excellent CPU, RAM, GPU, and bandwidth utilisation. In the future, feature applications such as video calls, maps (given map API), and so on can be introduced to improve speed.

[5] We reported the findings of a large empirical investigation on local database related behaviours in mobile apps in this paper. Several interesting findings emerged from our research. We discovered several violations of a variety of database usage best practises in mobile applications. We discovered that developers regularly use vulnerable APIs and patterns to execute and create SQL statements from a security standpoint. A vast number of these incidents might have been avoided by using secure APIs or parameterized queries, and they could have been refactored to prevent SQLI attacks. We discovered that database startup and write operations are the most expensive in terms of energy and performance.

[6] We will compare Firebase, Mongo DB, and Rethink in this paper. We came to the conclusion that -Real-Time Data Base
System can also be classified as Traditional Databases with an expansion to provide additional power in order to provide dependable responses. Because data is stored on the cloud, it is accessible from anywhere. If your programme uses a centralised database and is updated by a large number of users, it should be able to handle RealTime data updates between devices. We investigated Google's Firebase API, Mongo DB, and Rethink, as well as their unique strengths and drawbacks.

CONCLUSION

The system is developed by keeping in mind that it should adapt to the future requirements to a greater extent. The newly developed system is found to be working efficiently and effectively. Computerization of the system is carried out to overcome the problems that are faced in the local area network. The designed system is aimed at eliminating wastage of manpower, time, space and paper. When a transaction takes place there is no need to record it in many places on the local area network. The reports can be taken easily. The system is developed in such a way that distinctive modules can be used by a single source itself.

SUGGESTIONS

- This system can be further enhanced even if the new method in the system is implemented.
- Further the system can be enhanced to support large networks.
- Further security can be improved

REFERENCES

[1] P.Sathishkumar, P.Sabarinath, N.Sabarish and S.Swathi, “Android Application For Law And Order Using Data Mining” Internation Journal Of Advance Research And Innovative Ideas In Education (IJARIIE), Volume 2, Issue 4 2017.

[2] Siddhant Singh “Android Application Development For Social Network” International Research Journal of Engineering and Technology (IRJET), Volume: 04 Issue: 12 | Dec-2017.

[3] Jianye Liu and Jiankun Yu “Research on Development of Android Applications” Institute of Electrical and Electronics Engineers (IEEE), December 2011.

[4] Robi Sanjaya and Abba Suganda Girsang “Implementation Application Internal Chat Messenger Using Android System” Institute of Electrical and Electronics Engineers (IEEE), December 2017.

International Journal of Advanced Research in Computer and Communication Engineering

Impact Factor 7.39 ⁜ Vol. 11, Issue 5, May 2022

DOI: 10.17148/IJARCCE.2022.11505

[5] YingjunLyu, JiapingGui, Mian Wan and William G. J. Halfond "An Empirical Study of Local Database Usage in Android Applications" Institute of Electrical and Electronics Engineers (IEEE), November 2017.

[6] SonamKhedkar and SwapnilThube "Real Time Databases for Applications" International Research Journal of Engineering and Technology (IRJET), Volume: 04, Issue: 06 | June -2017.

[7] William AkotamAgangiba,MillicentAkotamAgangib a, Mobile solution for Metropolitan Crime Detection and Reporting, Journal of Emerging Trends in Computing and Information sciences, Vol.4, No. 12, 2013, 2079-8407.

[8] VicPD, Report Crime, Tack Crime, Fight Crime, From your pocket available at: https://www.vicpd.ca/mobile [Accessed: 29/10/2013].M.

[9] ManavSinghal, AnupamShukla,"Implementation of location based services in Android using GPS and Web Services",(IJCSI) International Journal of Computer Science Issues, Vol. 9, Issue 1, No. 2, January 2012, 1694-0814.

[10] Mayur Dhande, Amruta Barawkar, Raman Dhoot,"Android Bachaosos Application", (IJCTA) International Journal of Computer Technology and Application, Vol. 5 (3), 826828.

[11] Pragya Gupta, Sudha Gupta,"Mobile Cloud Computing: The Future of Cloud", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 1, Issue 3, September 2012.

[12] Surbhi Aggarwal, Neha Goyal, Kirti Aggarwal, "A review of comparative study of MD5 and SHA security Algorithm", International Journals of Computer Application (0975-8887), Vol. 104-No. 14, October-2014

