

Smart ZOI Saver App For Crisis

Abinesh R¹, Arunachalam N¹, Logesh R¹, Harish Kumar M²

Student, Department of Computer Engineering, Adhiyamaan College of Engineering, Hosur, Tamilnadu, India¹

Assistant Professor, Department of Computer Engineering, Adhiyamaan College of Engineering, Hosur,
Tamilnadu, India²

ABSTRACT: In today's life, Ambulance services are very important for Health and Medical facilities of patients. But there are no sufficient ambulance services for every needed people. Because, only some of the hospital management running these services. Also, they are not able to reach the spot and attain the hospital immediately. Due to this issue many of the patients are not having their medications properly. To overcome this problem, an organization which provides more Ambulance services like cab services through mobile application. The Admin Application will have Ambulance driver's registered information along with their location details. The User on the other hand have Application's Client interface will book an ambulance. The Driver will attain the nearest locating hospital for the user convenience. This would be right course of action to provide fast and reliable ambulance service to everyone in case of emergency.

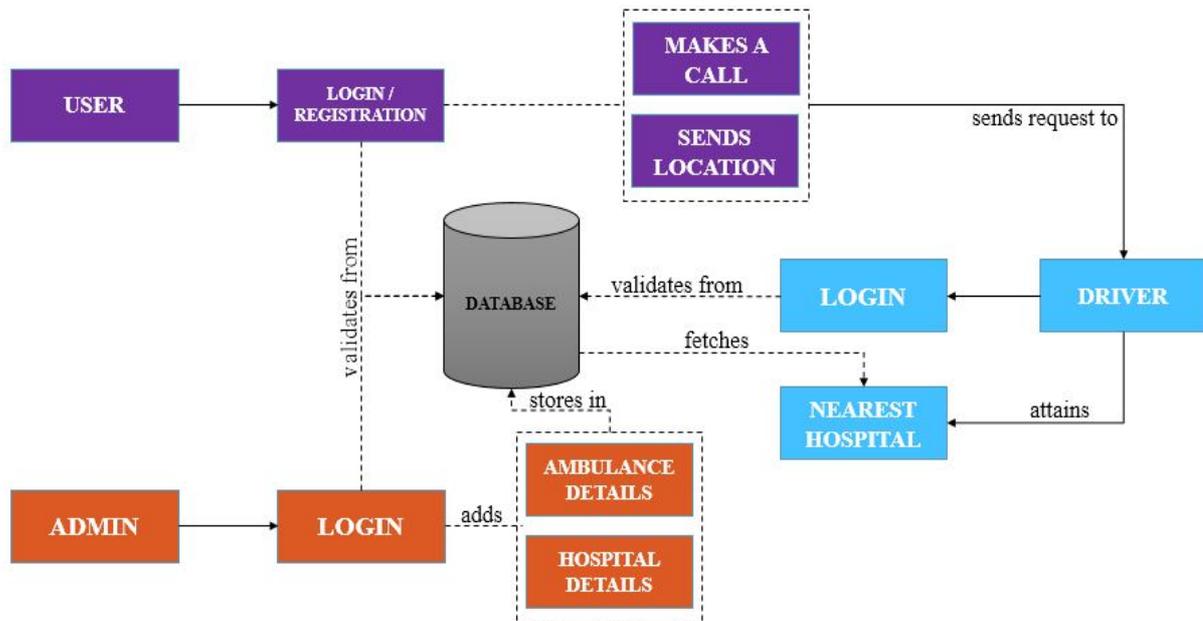
KEYWORDS: Ambulance, Google Map, Emergency, Crisis.

I. INTRODUCTION

Globalization trend has emerged as the turning point of India's economic growth. Every individual's standard of living has gone up with the help of manifold employment opportunities. But, the other side, there is no safety and security for humans. Due to lack of safety for citizens, criminal activities becomes common. The medical facilities has also same condition. There is no instant medical assistance is available even during emergencies. This is the main reason for people's lives. To avert such problems, mobile based technology aspects are needed to be developed. It highlights on introducing immediate help to the individuals. Focused on developing prehistoric measures for human security and the firm brings smart systems to improve human lives. The Ambulance Service application is one dedicated step in this field. The Ambulance concept is totally based on IT technology. Through this method, we ensure that the patients can attain quicker service than normal method during the medical emergencies. During these situations, the user needs to send their specified location through mobile phone and get the ambulance service immediately. We have introduced an application, which is robust and provides access to ambulance during emergencies. This can help to save someone's life from endanger.

II. RELATED WORK

The architecture diagram of the Ambulance Services is shown in the fig. As all the smart phones are enabled with GPS facilities. The present location of the user can be identified using Geo location based on GPS readings. Every user and driver have individual login credentials for their security purpose. The user can makes a request as a call or sends a location as a message to the nearest Ambulance drivers. The message generates a GEO tag. The driver will accept the request from the user and when he click the link from the message, it is redirected to the Google map which helps to reach the user destination quickly by using GPS tracker. After the pickup, the driver will search the nearest hospital using GPS from his location through his android phone. The nearest hospital will fetch from the database based on the driver's location. The admin manages the database confidentially like adding Ambulance driver details and Hospital details. Also the admin can see the number of user's details in the database.



III. LITERATURE SURVEY

- [1] Shekhar Wadwale, Kunal Raurale, Megha Nirale, Rupali Meshram proposed a “Life Saver Android Application System” that provides ambulances service by tracking the patient’s location and alerting the nearest hospital to provide the ambulance facility.
- [2] K. Athavan, G. Balasubramanian, S. Jagadeeshwaran, N. Dinesh proposed a “Automatic Ambulance Rescue System” that provides a traffic less way for the ambulance to reach the hospitals by implementing a ITS which helps to control the traffic lights mechanically.
- [3] Ahmed Shaikh, Soham Joshi, Yash Bhosale, Mrs. Pallavi Nehte designed an “Ambulance Service System” which the patient send the GPS location to the ambulance drivers.
- [4] S.Pradeep Kumar, D.Akash, K.Murali, R.Shriram proposed a “Call Ambulance Smart Elderly Monitoring System with Nearest Ambulance Detection Using Android and Bluetooth” system which monitors the patient’s body condition using various sensors. Those sensors are monitored by android phone connected through Bluetooth and sends the location to the ambulance driver.
- [5] Anita Acha George, Arun Krishna, Toney Dias, Asheena Sara Varghese, R.S.Divya designed a “GOLDEN AID an Emergency Ambulance System” that increases the way of saving a life by avoiding the unnecessary time delay of traffics during an emergency cases. The shortest path to the accident area is displayed and the server tracks the vehicles location and automatically switches the traffic lights when the ambulance is nearing the traffic signal.

IV. EXPERIMENTAL RESULTS

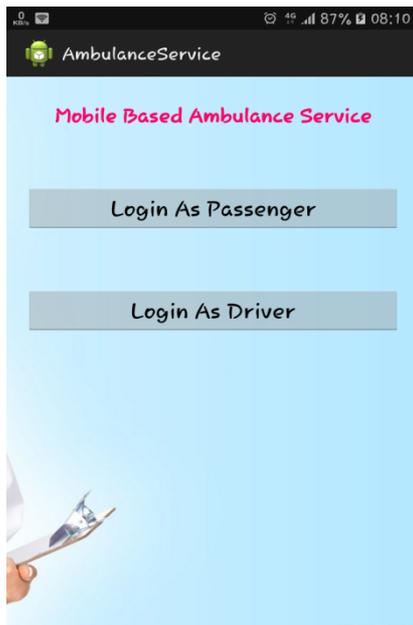


FIG: HOMEPAGE FOR AMBULANCE SERVICE

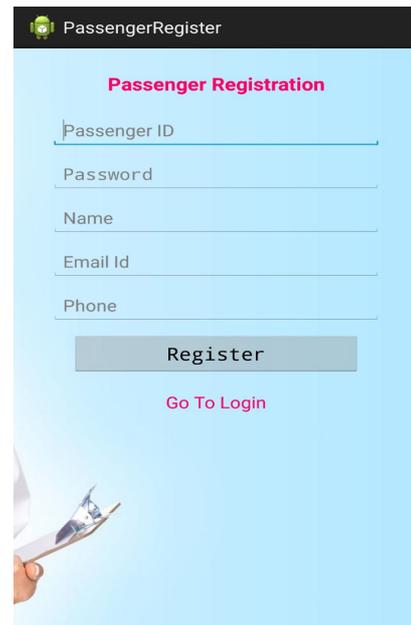


FIG: REGISTRATION PAGE FOR USER

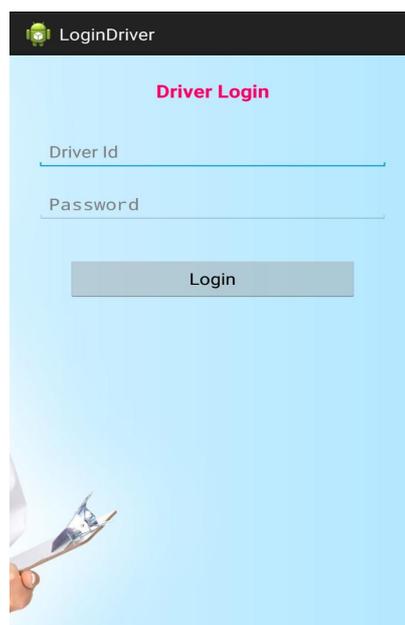


FIG: LOGIN PAGE FOR DRIVER

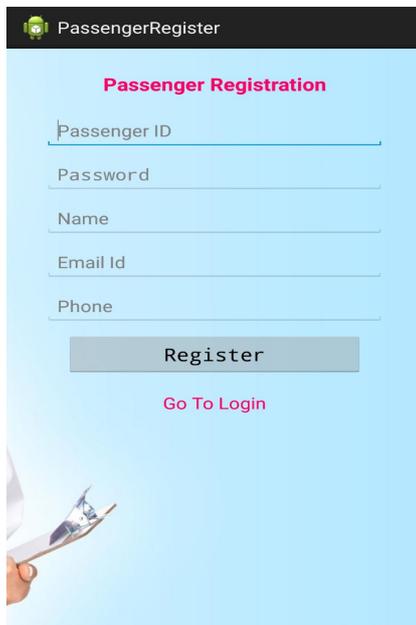


FIG: LOGIN PAGE FOR USER

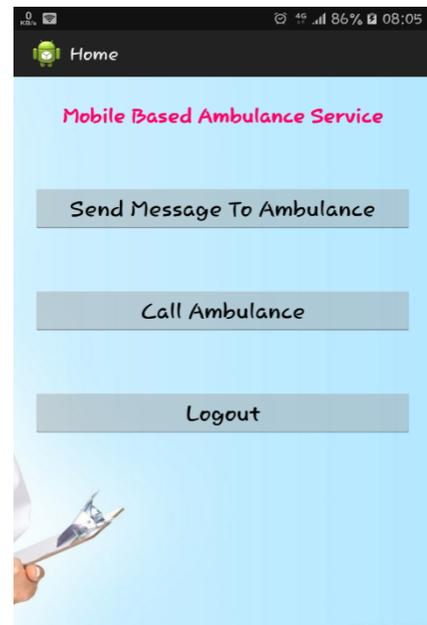


FIG: HOME PAGE FOR USER

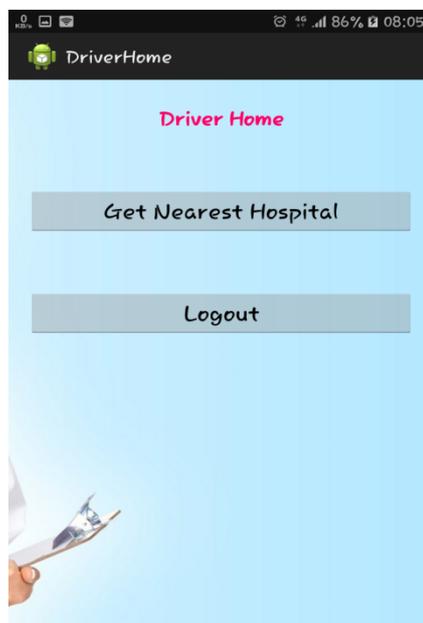


FIG: HOMEPAGE FOR DRIVER



FIG: HOSPITAL DETAILS



FIG: AMBULANCE DETAILS

V. CONCLUSION

In today's life as people are often busy with their works and traffics are more when compared to past ten decades. So that, the ambulance cannot reach the patient's surroundings easily and in time. This application is used to provide fast and reliable ambulance to everyone at the time of emergencies. Because, right care needs to be taken for the patient. The people near the emergency area can also book an ambulance for the needed one. By using this application, the number of deaths can be avoided due to lack of ambulance services and all the patients receive ample medical attention precisely.

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