A Website for Emergency Accident Alert Service with Email Intimation

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ABSTRACT:

The main objective of this project is helps to society people intimate accident alert information to family members and sent Email intimation to all blood donors .Using this website, Initially admin will feeds all the user information such as vehicle no, registration, address, phone no ,along with blood group ,etc these all the details will maintain separate table .suppose person met with any accident means society user any one can enter vehicle number in this website means this will automatically fetch the complete information of the person and display. So that can come to know complete information and can send an intimation alert to the family. Also this Website checks the blood group of the person and sends information to all blood donors. This intimation contains contact no, address so that they can communicate easily.

In today's world, road accidents have become a common occurrence due to the rapid growth of technology, infrastructure, and increased vehicular traffic. Many lives are lost, and severe injuries occur because of delays in receiving medical attention or notifying the relevant authorities and family members. Lack of timely communication and emergency response often exacerbates the situation, especially in isolated areas. This project introduces a web-based solution to address these challenges by providing an Emergency Accident Alert Service with integrated email intimation to the injured person's family members, hospitals, and blood donors. The primary objective is to build a user-friendly system where citizens, hospitals, and emergency services can collaborate to handle accidents efficiently and reduce response times. The system is designed to be accessible to all users and aims to create a safer and more connected society.
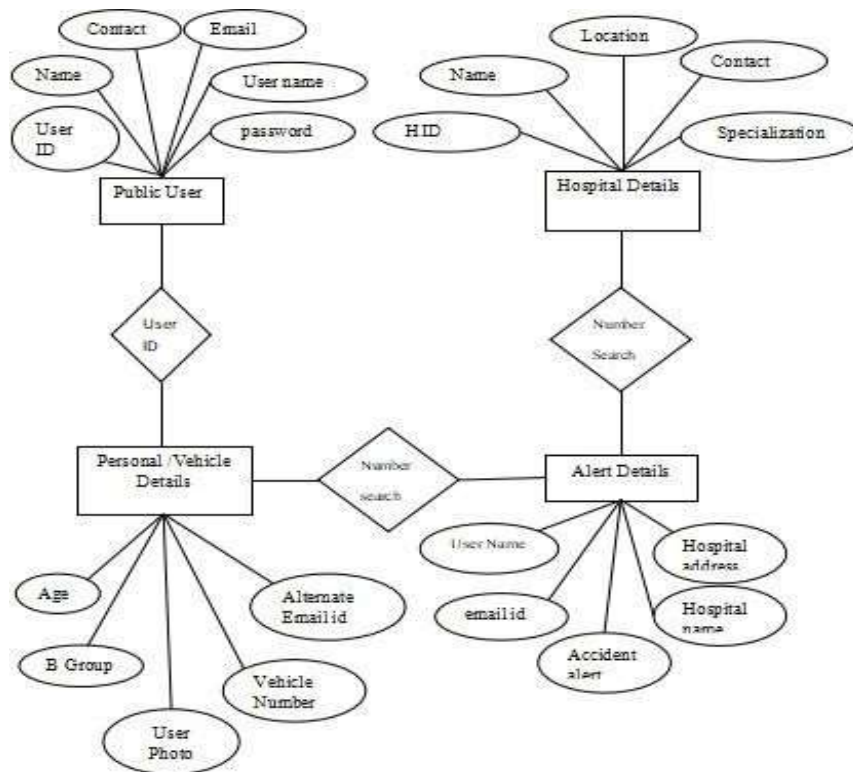
1. INTRODUCTION:

The project "A **Website for Emergency Accident Alert Service with Email Intimation**" is designed using Asp Dotnet as front end and SQL Server.

The Rapid growth of technology and infrastructure has made our lives easier. The advent of technology has also increased the traffic hazards and the road accidents take place frequently which causes huge loss of life and property because of the poor emergency facilities .Vehicle Accidents are a fact of life. Driver inattention causes most of the vehicle accidents. It also becomes difficult to get necessary help in isolated areas and also difficult to intimate corresponding persons family members.

PROPOSED METHOD:

The drawbacks, which are faced during the existing system, can be eradicated by using the proposed system. The main objective of the proposed system is to provide a user-friendly interface to Accident notification. The main objective of this project is to help society's intimate accident alert information to family members and send EMAIL intimation to all blood donors. suppose a person met with any accident means society user any one can enter vehicle number in this website means this will automatically fetch the complete information of the person and display and can sent intimation alert to the family members.

2. IMPLEMENTATION :

1. Authentication Module [Login]

The first module is the authentication module. Using this module the admin, hospital authority and User can get login into the website. Based on the role, the page will be navigated.

2. User Register Module

Using this module users can register in the registration form they have to enter with personal details such as name, address, mobile number, mail id and username, password details This module deals with the user details. This will be maintained in a separate table and the system will generate a password to the user using this password user can log on this website.

3. Vehicle and person information Module

This module is mainly based on user control. System will check the registered user name and password for authentication. After the verification for authorization the user will be able to enter their vehicle along with personal details like the name of the owner, number plate info, profession, age, blood group, alternate family members mobile number, vehicle image and person photo, bike insurance details etc. All these details maintain separate table future verification

4. Hospital Register Module

This module is fully based on Admin control. Using this module admin can collect hospital lists and register in the hospital register form admin has to fill with hospital details such as name, address, contact number, specialization and username, password details. This web application sends the hospital username and password

details to the hospital authority for the login purpose of this project.

5. Number plate search process

This module is fully controlled by the user .The main task of this module is to enter the vehicle Number details to get the injured person information, their name, address, profession, like all the details already registered by the injured person. Current user click send alert button this application will send the accident alert for the injured person's alternate family members through email.

6. Hospital Side Alert

This module is used for hospital side. Hospital authority can login into this website, by using the admin provided secure username and password. If any one patient can admit into their hospital by accident, hospital authority or receptionist can enter the patient's vehicle number in the search option,

application will show their all information, authority will click send alert button, application send the patient admitted hospital information to their family members through email.

7. **Blood Request Module**

This module is used by the hospital side. If the admitted accident patient needs blood for their treatment purpose. Hospital authority using this module, sends blood request alerts to all registered users in this application.
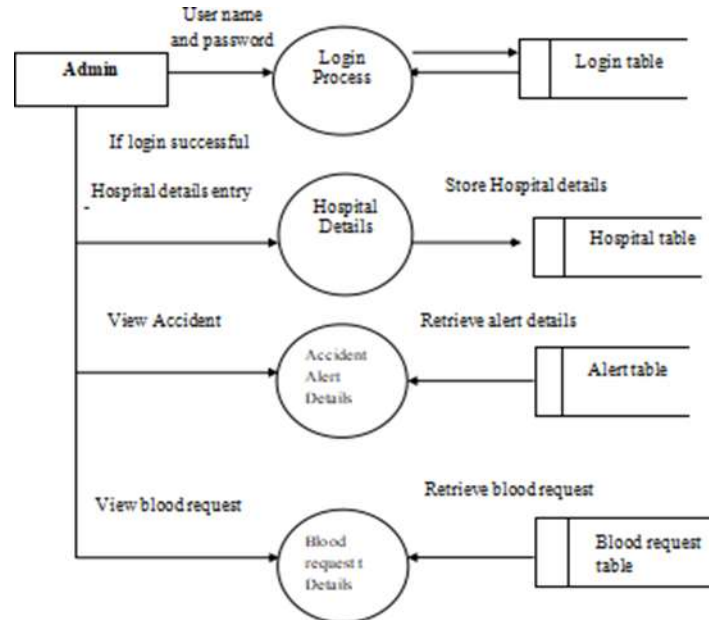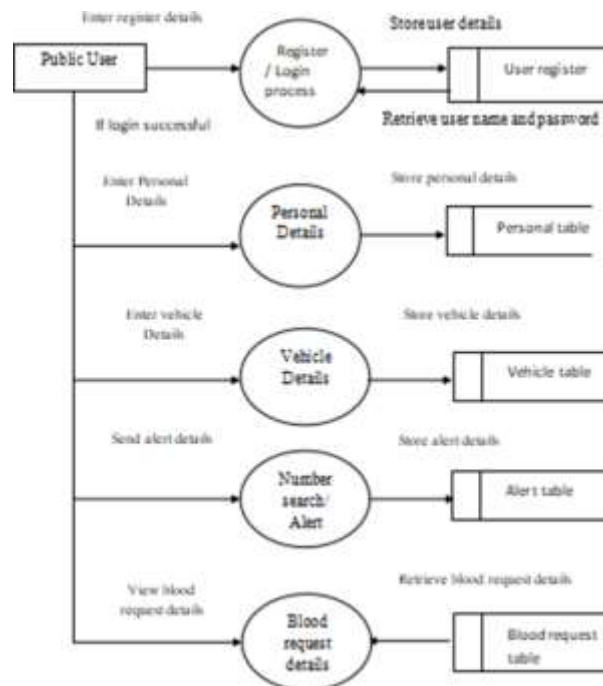
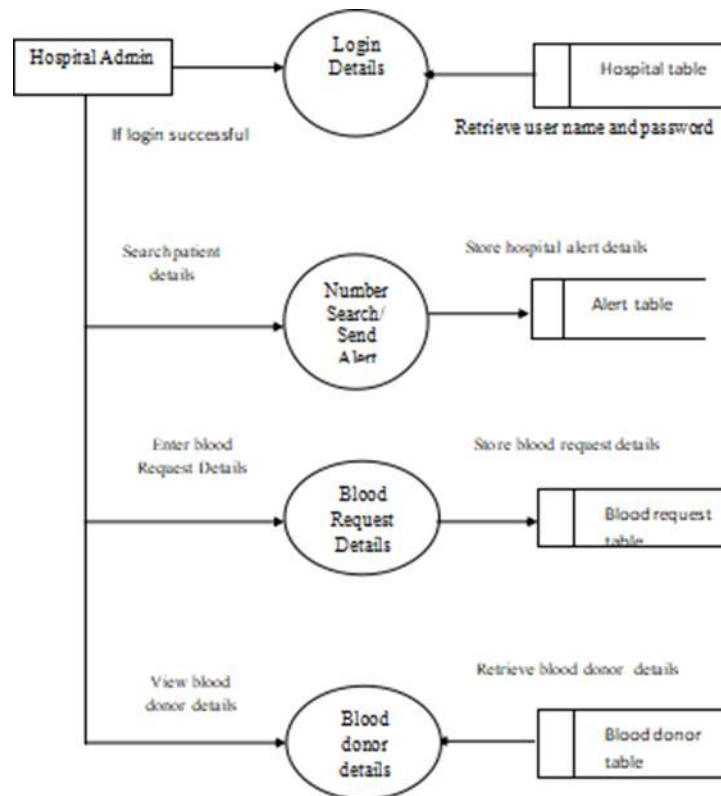**FIGURE 1.2 ADMIN**

FIGURE 1.3 PUBLIC USER

FIGURE 1.4 HOSPITAL ADMIN

3. Applications

1. Emergency response System: Instantly Alerting Emergency Services like Police,Ambulances and Fire Stations in case of an Accident.

2. Workplace Safety Monitoring: Ensuring employee Safety in Hazardous work Environments Such as Factories,Construction Sites,or Mines.

3. Road Safety Assistance: Helping Motorists Notify Their Families or Authorities about Accidents or Breakdowns.

4. Healthcare Integration: Allowing hospitals to Receive Alerts for Accident Cases for Quicker Preparation and Resource Allocation.

5. Public Transport Monitoring: Improving Safety In Public Transport by Reporting Accidents Involve buses,Trains,taxis.

6. Disaster Management:Assisting in Emergency Scenarios like natural Disaster by Sending Bulk Alerts to Authorities and Affected Individuals.

7. Personal Safety: Allowing Individuals to Notify their Trusted Contacts about Accident or Emergencies.

4. CONCLUSION

The project "A Website for Emergency Accident Alert Service with Email Intimation" successfully addresses the challenges posed by the lack of timely emergency response in case of road accidents. By leveraging ASP.NET as the front end and SQL Server for the back end, the system provides a robust and efficient platform for accident alert services.

Lastly ,we acknowledge the unwavering support of the management for providing the resource and encouragement needed to bring this project to fruition .This system is a testament to the collective effort, innovation, and collaboration that define our organization's approach to progress and excellence.

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