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Instant Plasma Donor Management System

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Abstract: Instant Plasma Donor Management System offers a first-class system to solve all the problems of blood donors and non-blood donors. Blood bank management app is a way to synchronize customers (partners) and non-customers. The world is going through the COVID 19 crisis and we haven't found a vaccine yet. However, there is another way we can help reduce the death rate or help those affected by COVID 19, and that is by donating blood from healthy patients. There is no agreement to treat the virus against the dangerous COVID-19 disease, plasma therapy is an experimental method to treat COVID-positive patients and help them recover.
Treatment is seen as preventive and promising. If a person has fully recovered from COVID 19, they can donate plasma. This app will help users find blood donors or donate plasma to help others. Customers can register, log in and submit plasma gift requests with comprehensive information on their COVID 19 recovery. Customers can also voluntarily request plasma in an emergency.

I. INTRODUCTION

Hemoglobin is a large, higher molecule that contains a circular supramolecule (globulin) and a colorful, iron-rich molecule called a heme. Each hemoglobin molecule consists of 4 heme chains and 4 heme units, each carrying an iron atom (Fig. 46). It shows that because each iron atom mixes with a drug molecule, one blood protein molecule can carry up to four molecules of a drug, and that an average body red blood cell theoretically carries about 280 million hemoglobin molecules that make up each cell. carry a chemical The ability of a single molecule to exceed one billion molecules of a chemical element.
Iron is transported in the blood to transport supramolecular beta-globulin and stored in the liver.
The production of red blood cells normally requires a gradual supply of iron. Although iron is found in foods, it is absorbed very slowly from the intestines, so if too much is lost, iron deficiency can occur quickly.

II. LITERATURE SURVEY

Writing a review is a big step forward in measuring progress. Before deploying a device, it is important to determine time, economy and organizational strength. Once these are done, the next ten steps determine which operating models and languages can be used to train the device. When software engineers start building tools, developers need outside help. This help is available from major manufacturers, books or websites.
Before creating the framework, the above ideas are considered to support the request framework.

III. EXISTING SYSTEM

People have to go to registered clinics and contact their homes to find the right people, sometimes they can't get out of their place and go to work. In this case, the patient's health will deteriorate further. This is a very expensive method and is useless in an emergency. As the population grows and clinical trials progress, so does blood. Since there is no relationship between donor and donor, many patients who need blood cannot receive blood on time and die.
There is an urgent need for synchronization between blood donors and clinics and blood donation centres. Improper blood management can lead to blood banks full of blood. Poor communication and coordination between blood donors and emergency services can lead to blood shortages.

IV. PROPOSED SYSTEM

In this paper we will create a web application so that after registration the client can choose to contribute to the application or search for blood donors and find free donors near. In this web application, customers will register and enter the application and they will be able to get the important things they want and on the other hand it will keep the donors high enough for helping the less fortunate people.

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FIG 1. System Architecture

V. RESULT



FIG 2. Index Page

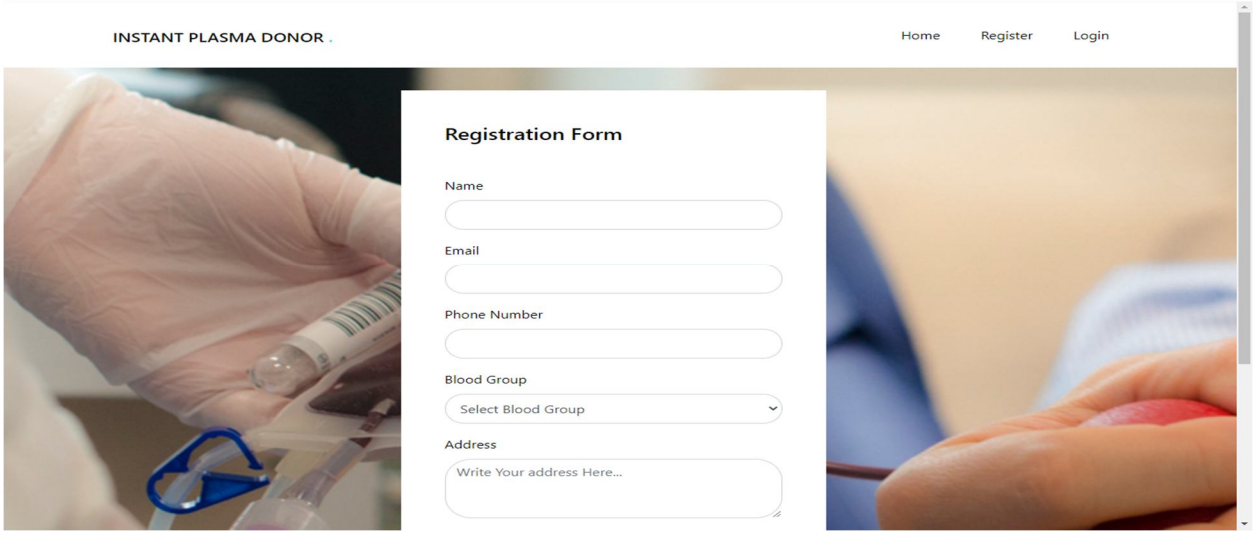


FIG 3. Register Page

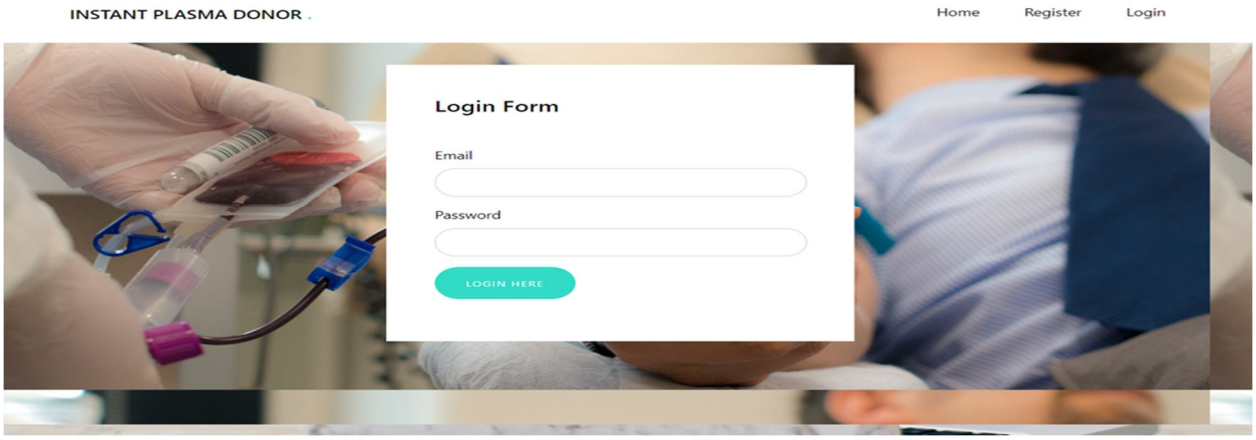


FIG 4. LOGIN PAGE

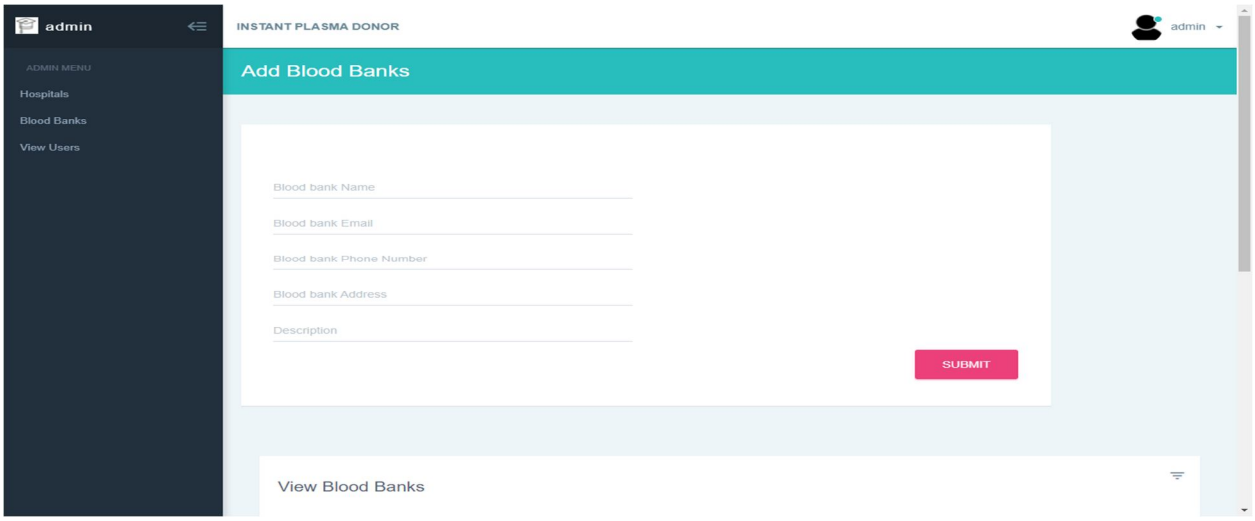


FIG 5. Blood Donation Centers Adding Page

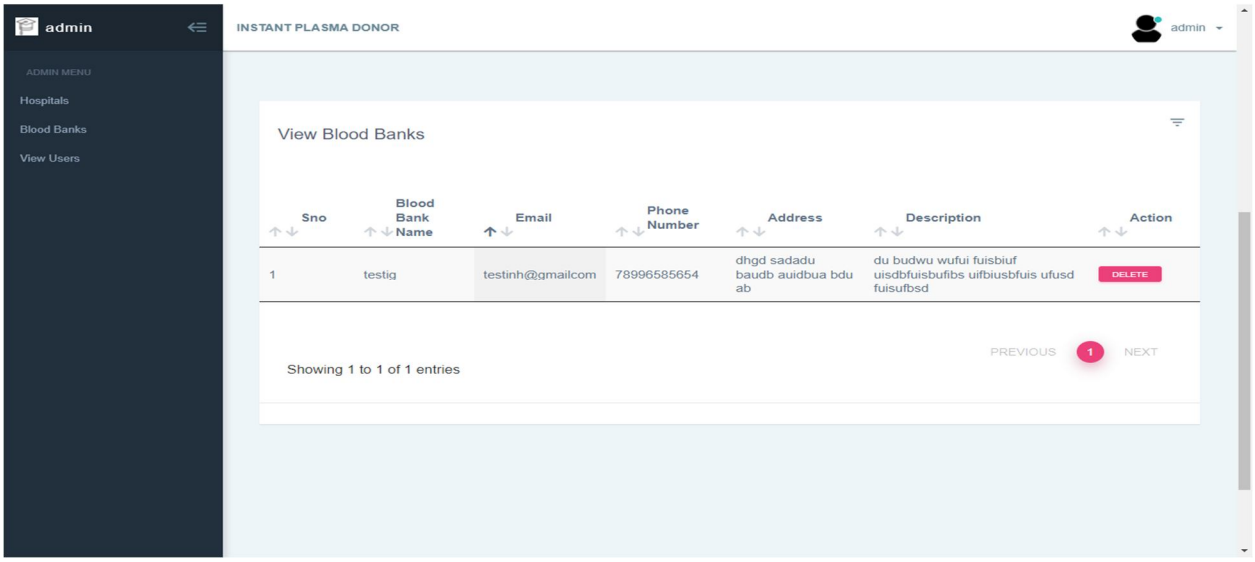


FIG 6. View Blood Banks

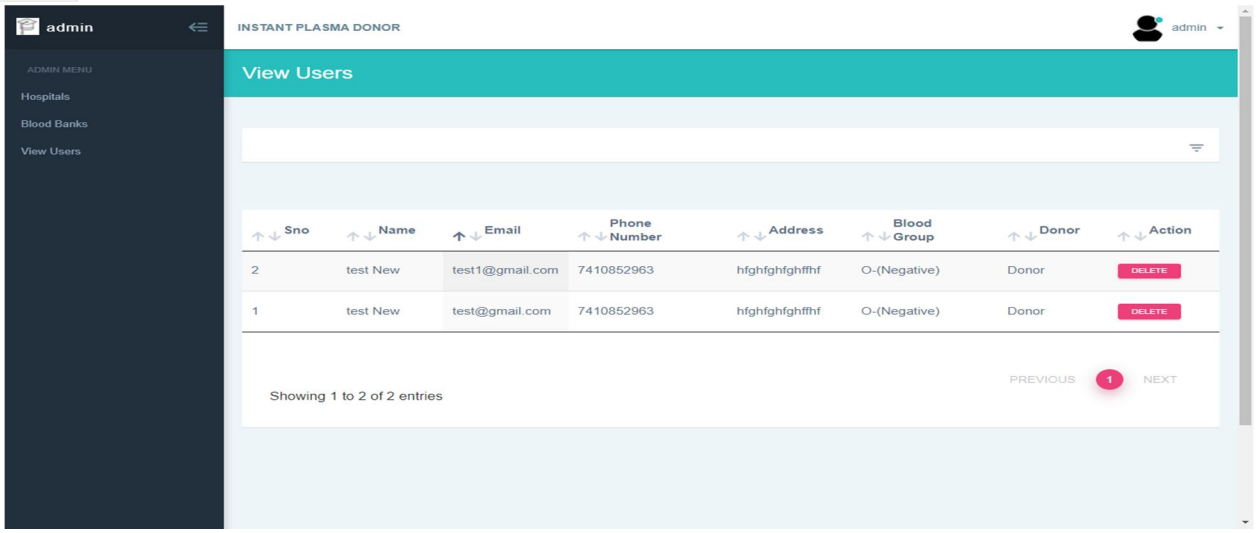


FIG 7. Contributors/Users Search Page

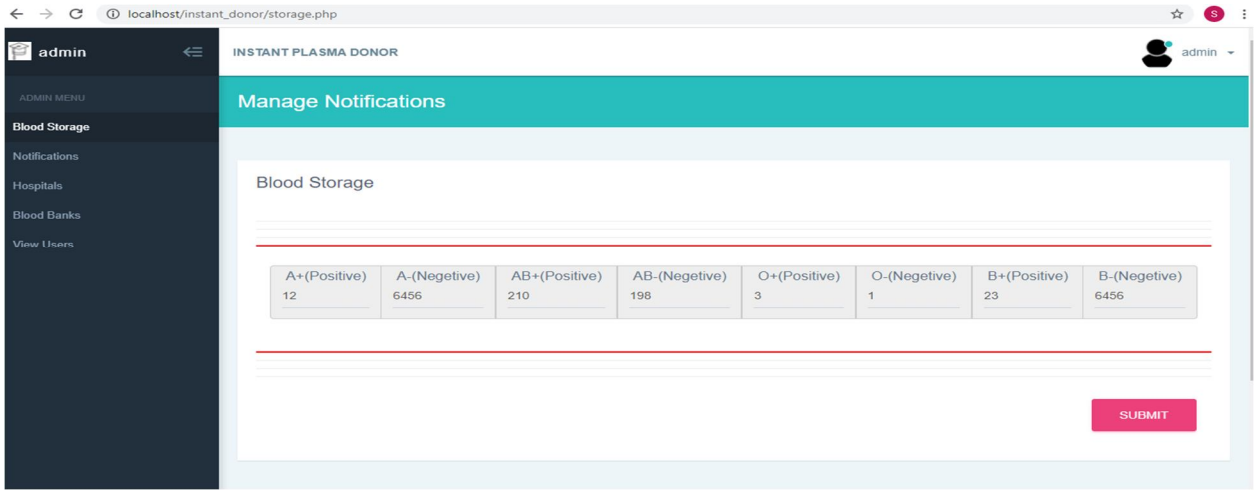


FIG 8. Sample Notification About Availability Of Required Blood Group

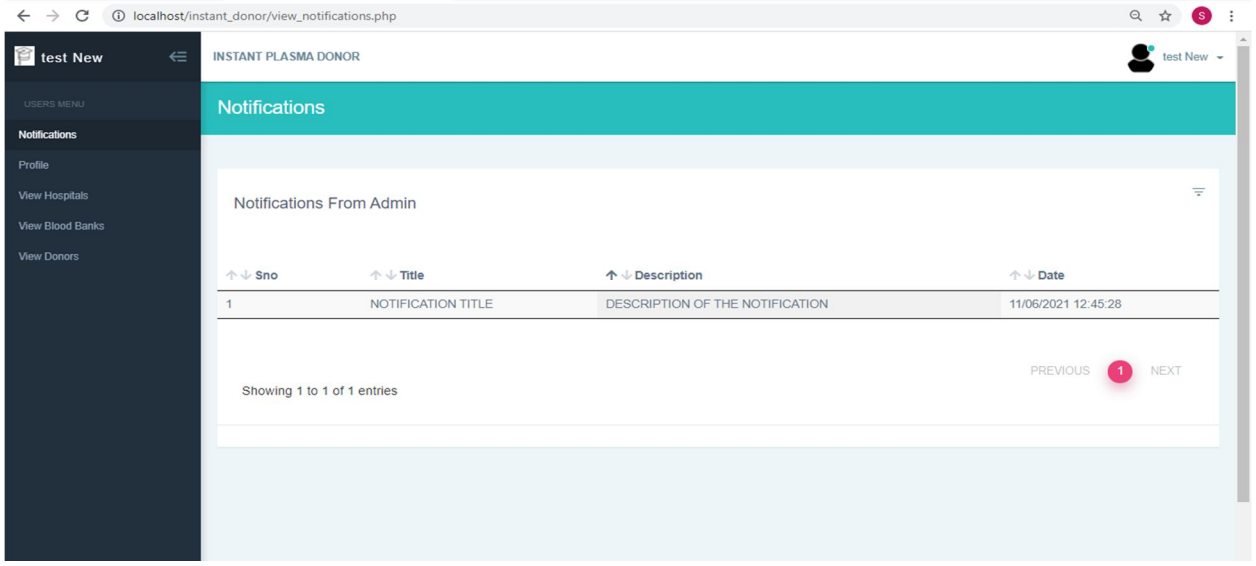


FIG 9. View Notification

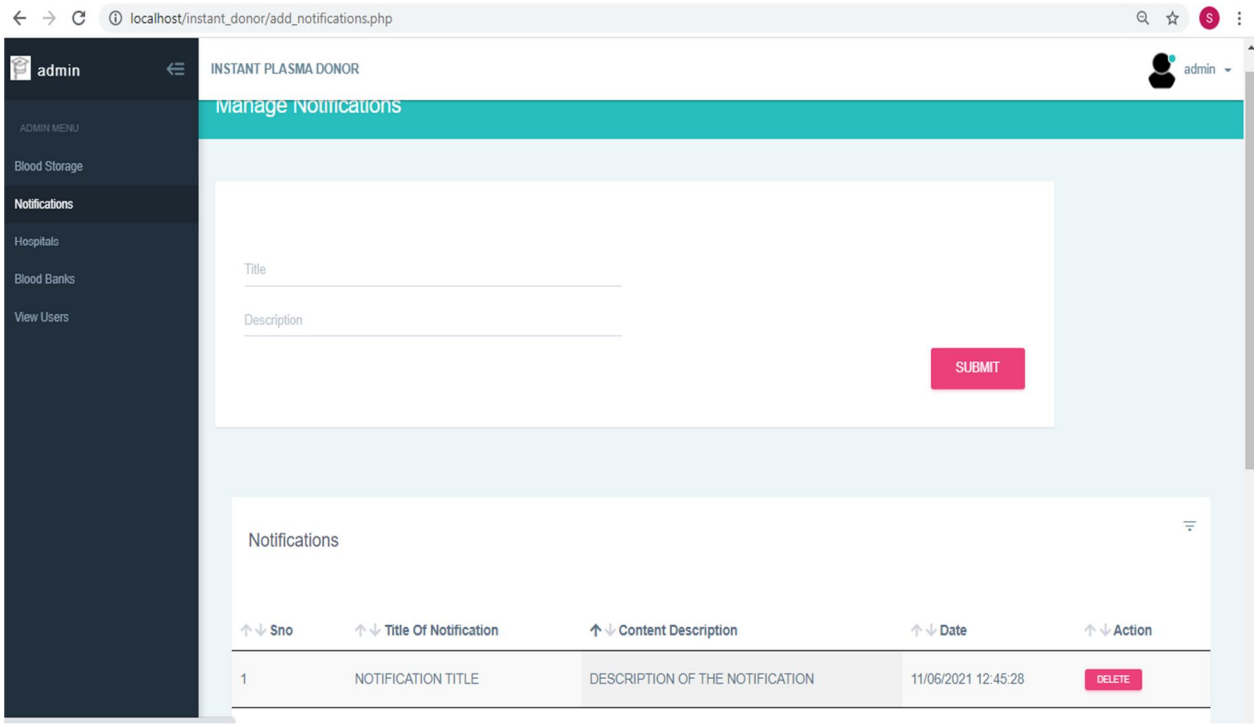


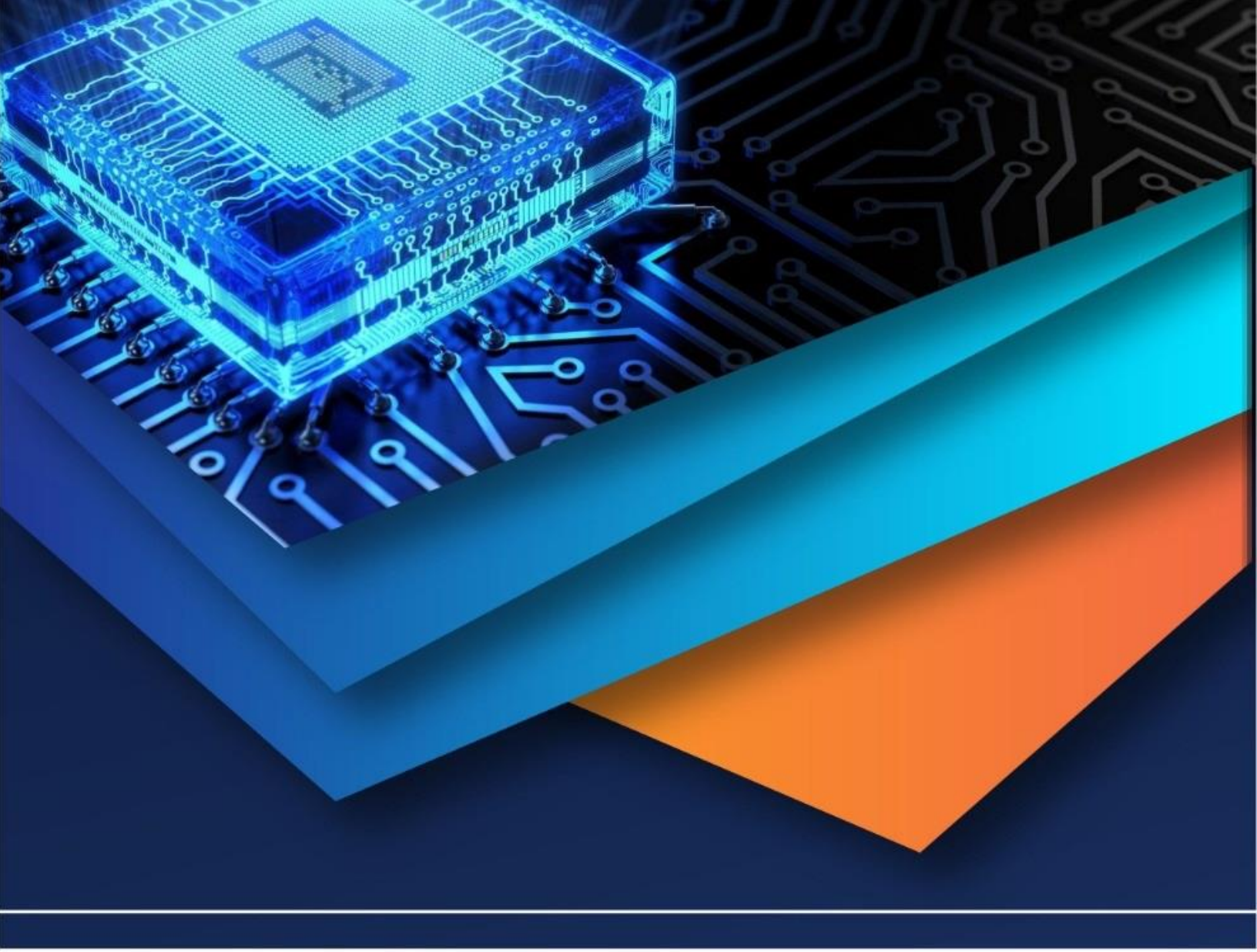
FIG 10. Manage Notifications

VI. CONCLUSION

Innovation gradually introduces new developments that reduce the time it takes to complete. The prepared system can be used to reduce the time required to deliver blood to those in need in an emergency. Those who want to donate blood can find the nearest blood donation center and benefit from it. Web applications provide communication and connectivity between users and the poor.

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