Shri Shankaracharya Institute of Professional Management And Technology, Raipur

DEPARTMENT OF COMPUTER SCIENCE

POLYGON BUILT IT PRESENTATION
DECENTRALIZED BLOOD MANAGEMENT SYSTEM

Project by:
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Problem statement

- Every day 12,000 people in india die due to the sheer lack of donated blood.

- Every 2 seconds,someone in united states need blood.

- India collects 11 million units of blood but need 15 million units.

- The challenge is to design a decentralized blood donation system which can save 12,000 life and fulfilled the requirement of blood to needed people.

Solution

- For the above problem I have create a decentralized the blood donation application in which people can donate the blood by the decentralized blood donation application.
- Blood donation application have decentralized so every hospitals and peoples can access and can see the available bloods and save somemany life.
- Decentralized blood donation application is easy to use by simple user interface.
- I have also added a blood request features in application which are also decentralized so all peoples and hospitals can see the request and send response back to the request.
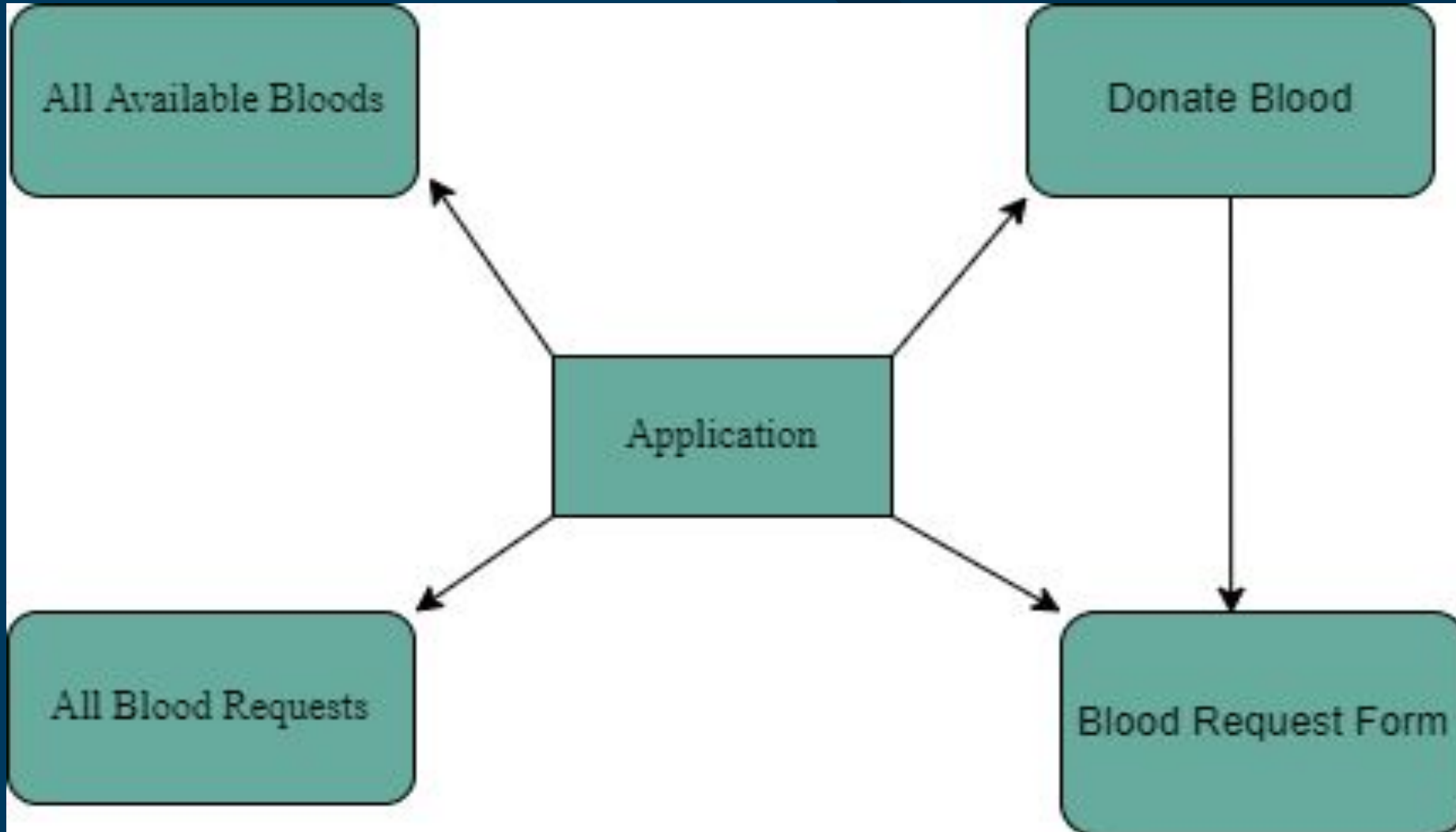
Software

- Solidity

- Ether.js

- React js

- Ganache

- Javascript

Working

- Application work on website so user have to go on website and fill the donate blood form and ensure that they are healthy and able to donate blood.after that the data are available to all.if someone want blood that would also available so they can contact to them.
- Application have blood request features whenever some urgently needed the they can fill request form so that all connected people see the request.
- Request are available to all people and hospital or connected nodes so they can donate the blood and send response back to the request.
- If Request have response back that are also showing on application as you request is full fillled.

Application features flow

Advantages

- Application is Simple to used.

- Data will available to all connected nodes.

- We can connect to millions of people and solved big problem.

- Application work on blockchain so every transaction will have been recorded.

- Generate blood request and shared to millions of connected people.

- All blood are shared to millions of people

Thank you