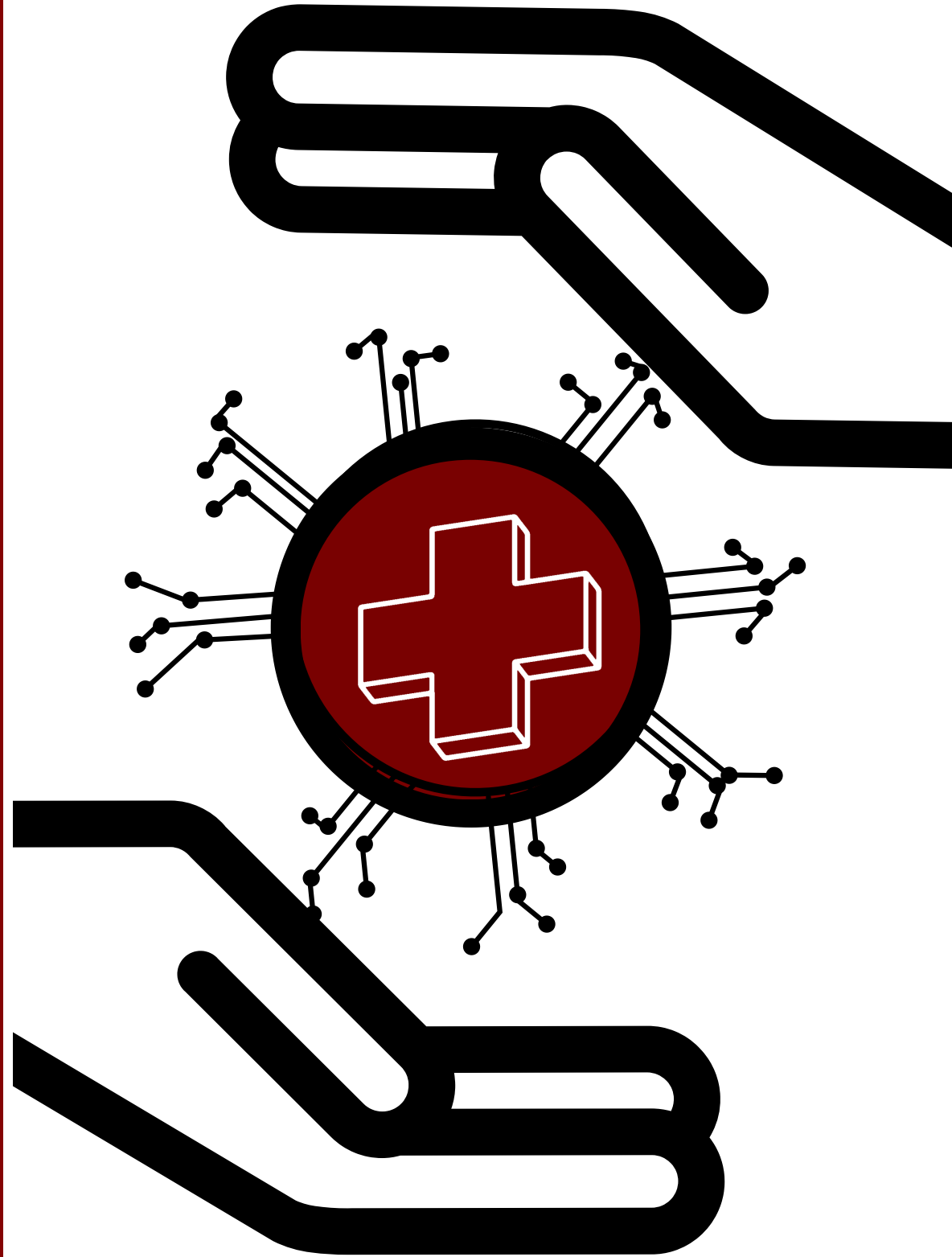
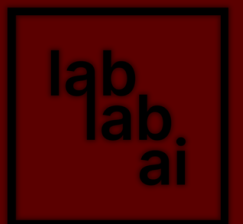


# Blood Bank Rowad



leap24 -AI oasis hackathon

Team BB rowad:  
haya Khalid  
lama inrahim



# WHO WE ARE

BB ROWAD working using artificial intelligence in the field of blood services, as it helps (the Rowad of the blood bank) to test the blood within a few minutes and choose the type of blood test required. However, a database can be added through the application to help him to draw the results immediately .

# The problem

Usually when we perform a blood tests, it may take a day, two or more to produce the result.

And this is very frustrating, especially when we need it for necessity or for an emergency, we also need if blood donors are compatible with us, it is difficult for us to find them or difficult to .communicate with them



An illustration featuring a man and a woman in a professional setting. The man, on the left, is wearing a dark suit and is looking towards the woman. The woman, on the right, is wearing a light-colored blazer and is looking down at a desk. They appear to be in a meeting or collaborative work environment. A large, stylized circular graphic is positioned behind them, with a white outline on the left and a dark red outline on the right. From the top and bottom of this circle, several lines extend outwards, ending in small circles, resembling a network or data structure. The lines are colored in white and black. The background is a solid dark red color.

# our solutions

build a project that helping saving time and effort by using Artificial Intelligence that will have huge database about many kind of Analysis bloods, types of bloods, conditions etc. to help the AI to analysis the samples make a result within 1n minutes.

# Blood Bank AI machine

Blood bank that work by using artificial intelligence to analyze blood samples.

- having many features:
- faster results
- reader of the results

# Blood Bank application

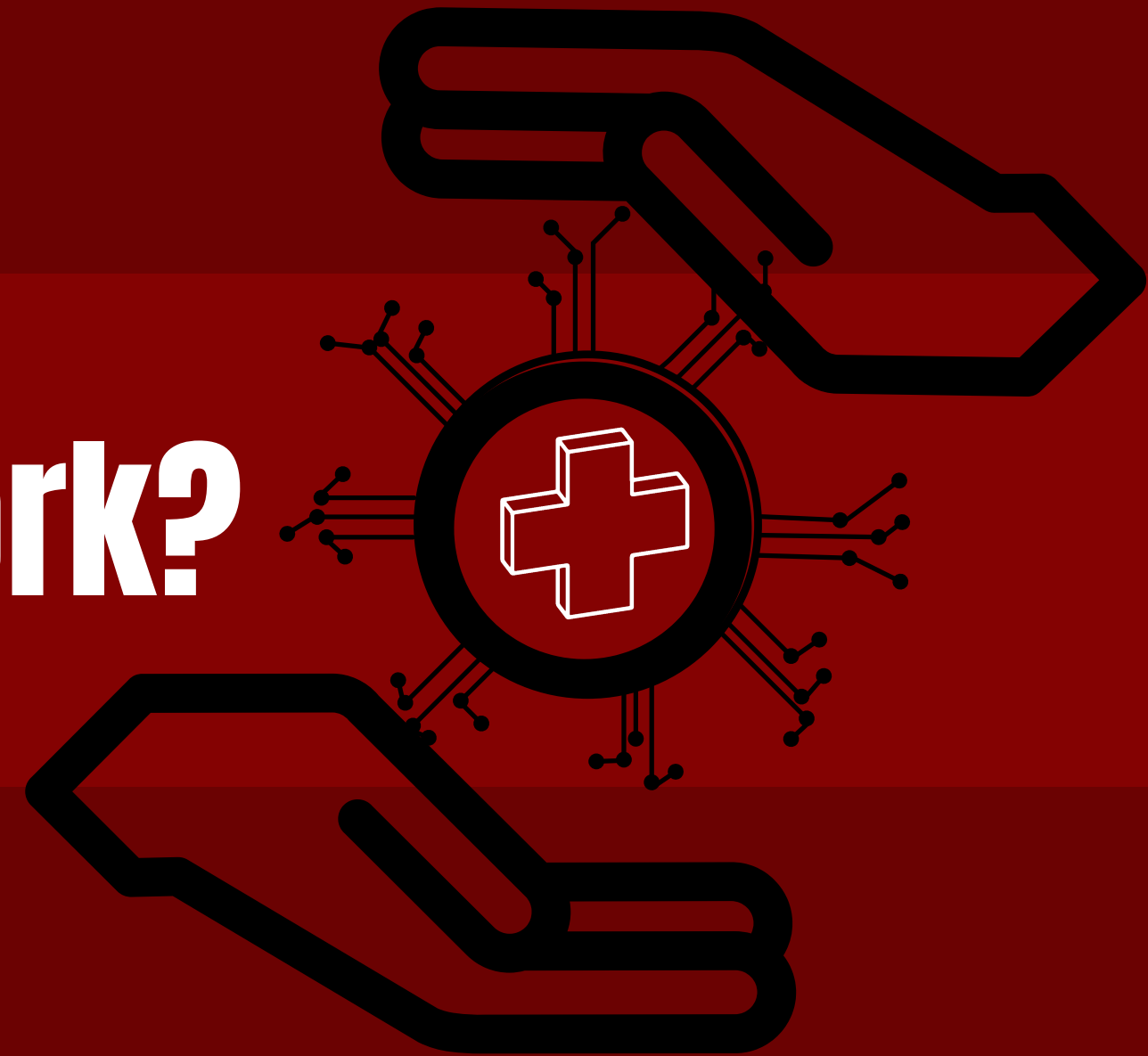
Blood Bank application will provide extra features:

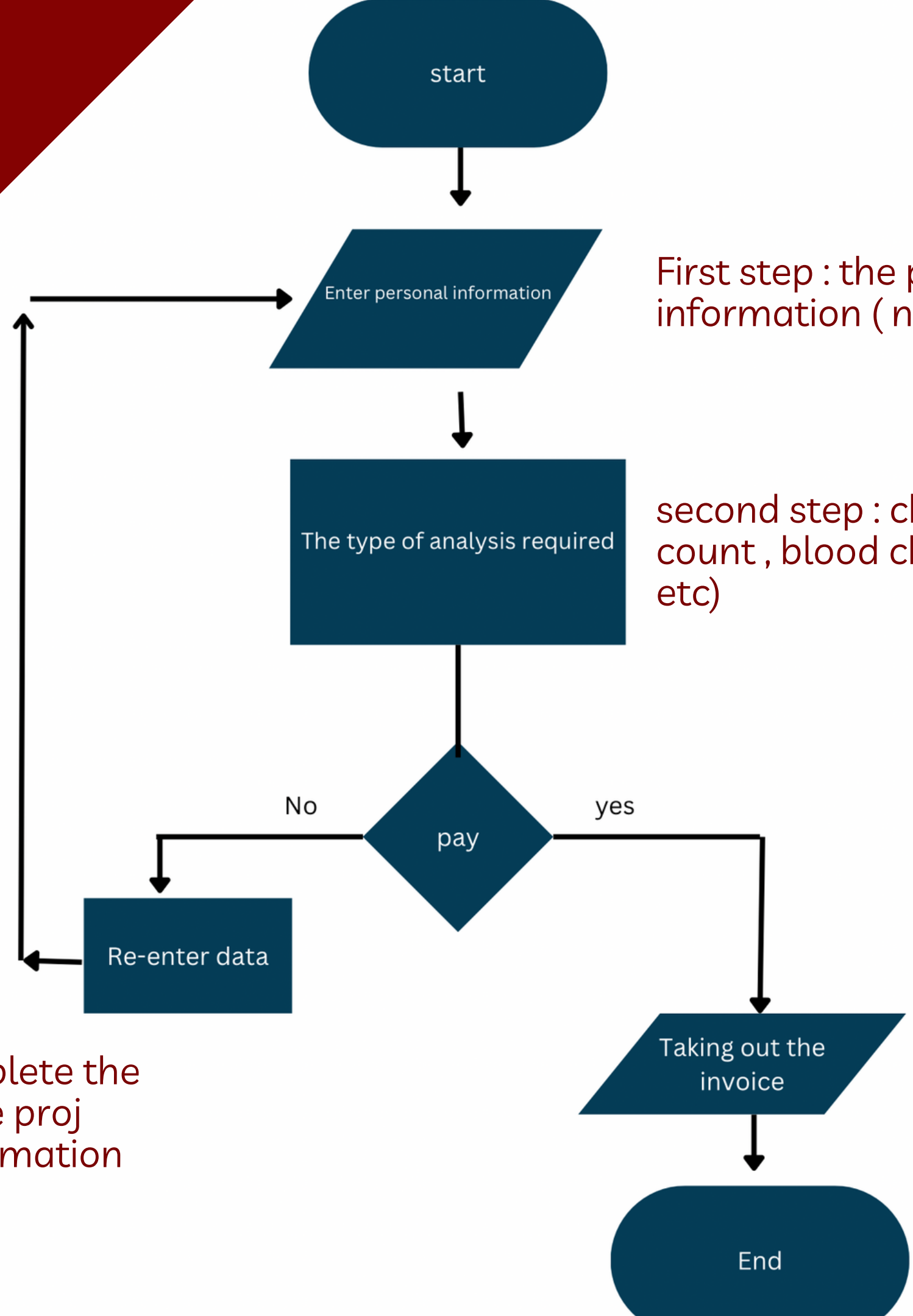
- that will help with booking Appointment of blood analysis.
- shows up the AI machine places.
- Helps provide an easy environment that connects blood donors and those who need to donate according to their needs

# specific main goals



**How does the AI machine work?**





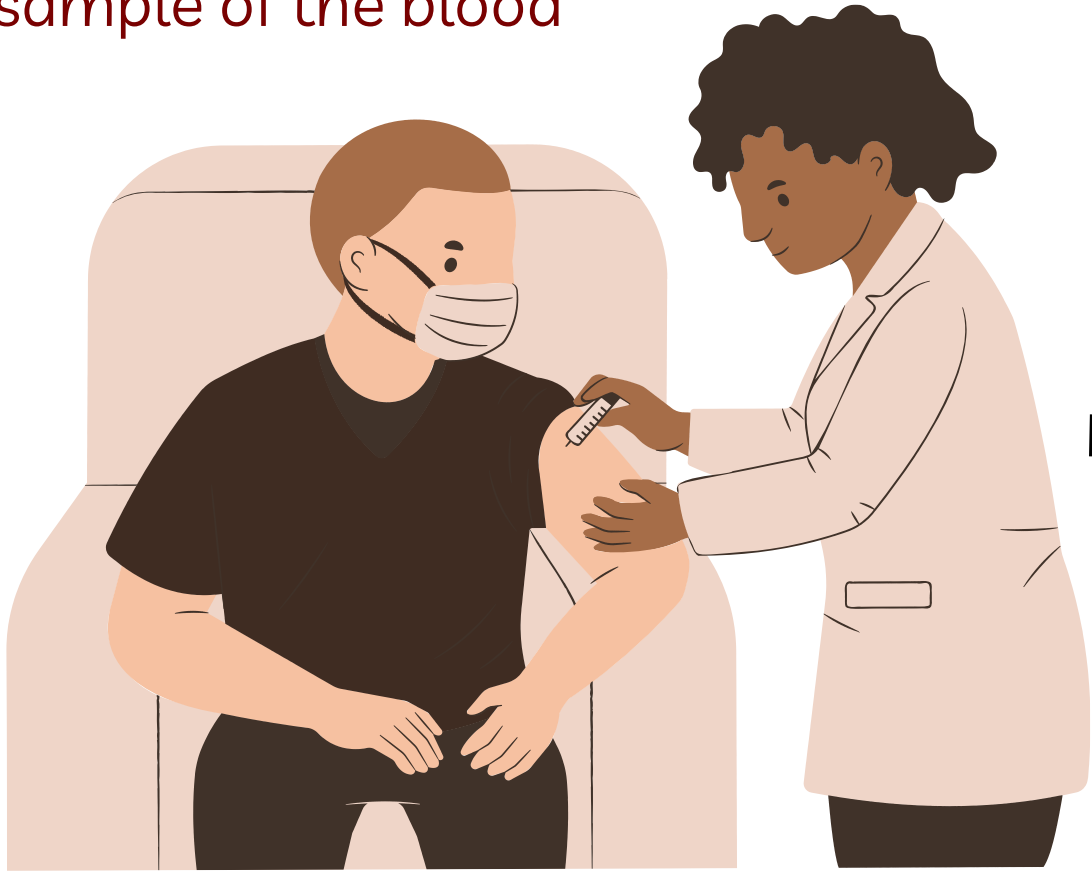
First step : the patient enter the personal information ( name , age, mobile number, etc)

second step : choose the service ( complete blood count , blood chemistry test, blood enzyme test, etc)

Third step : after choosing the service, the patient have to pay , if the patient complete the payment process , will get the receipt to go to the net stage

If the patient did not complete the payment process then the proj will bsck to the enter information process

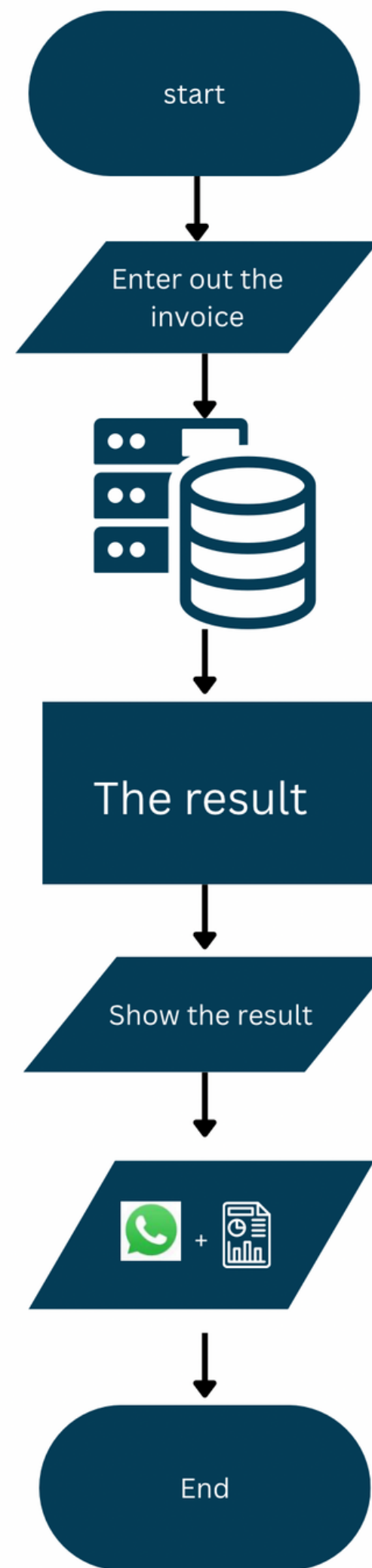
The next stage is giving the nurse the receipt and take sample of the blood patient.



The nurse will put the sample and the receipt into the AI machine again.







first step : enter the sample and receipt into the AI machine.

Second step: now the AI will make decision by the personal information and blood sample that giving, comparing the sample with all database and the matching blood types and samples.

Third step : AI made the decision depend on patient age , blood type, samples

Fourth step: showing the results on screen

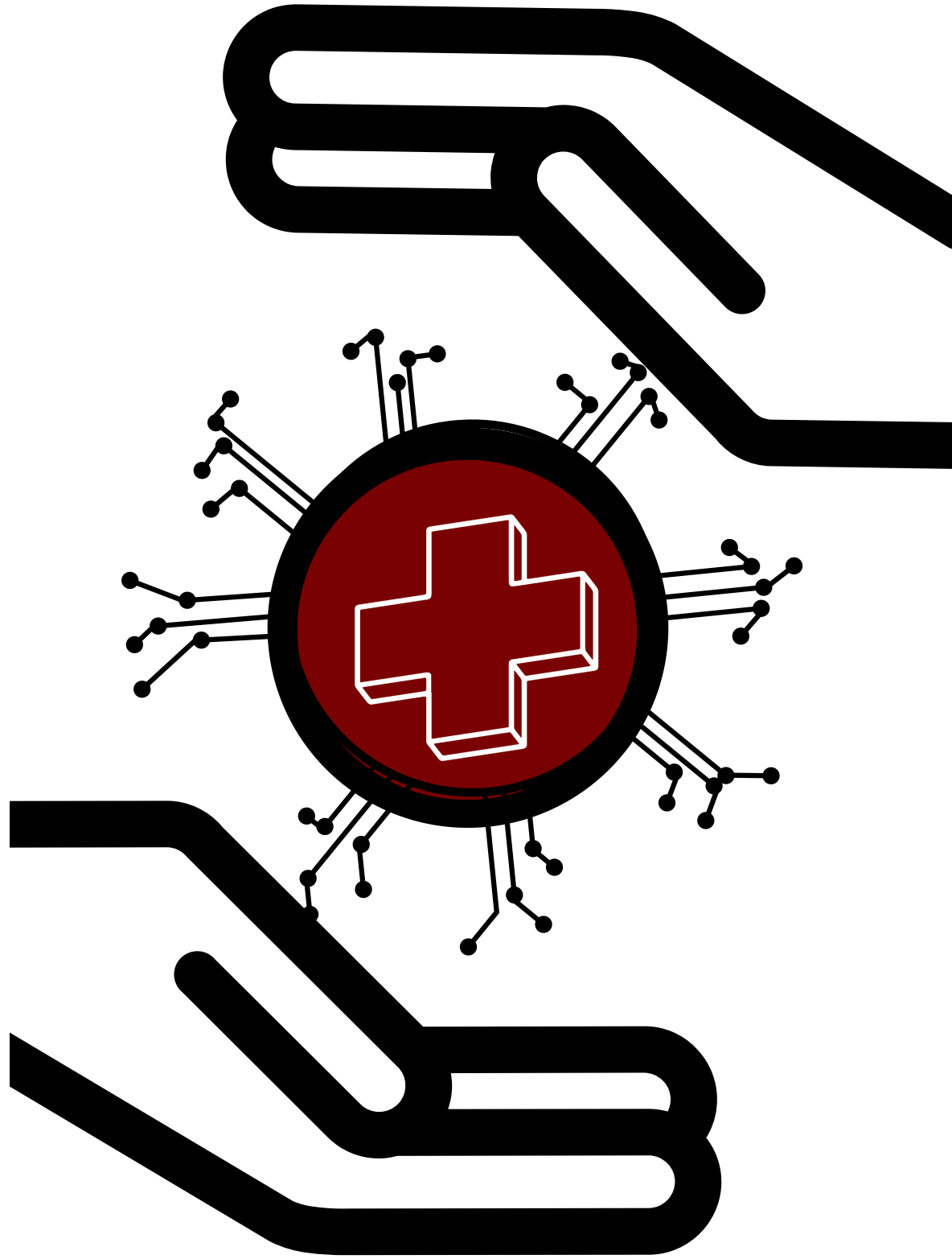
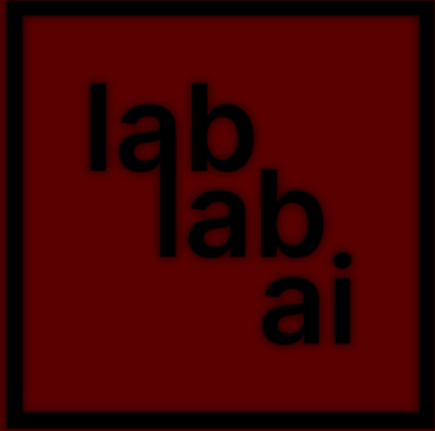
patient Choose if it whether get the results on whatsapp app or print it out

# the target companies



# BB Rowad Benefits

- 1- quickly analyze big data sets
- 2-reduce operational costs
- 3-enhanced efficiency



**End**