Business requirements document

details

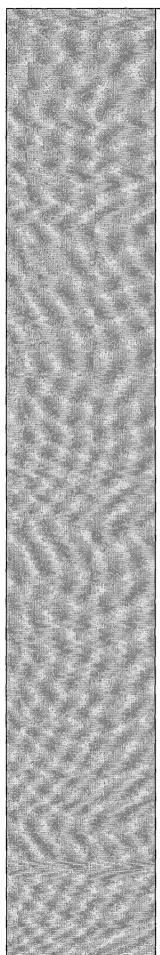|	
Raising date	02/22/2022
Project name	Blood bank related concern
Requestor	Dr. Salah
Company / Department	Sigh Madinah
Product/application Name	His web
Project request Type	Enhancements – improvement of current process/system
Priority level	**Priority level 1:**
Cr number	Cr-000710

analysis

Current Functionality	Need to modify current rules		
Business case	Business justification		
Proposed solution	As per requirements		
Development Timeline			
Users' role	Doctor – order Blood bank – issue, reject Nurses - administer		
Modules affected	Ip billing Doctors' module Wards module	Reports affected	N/a
Descriptive analysis			
Requirements	Concern: 1. Rh typing and antibodies test that is included in the blood bank combo codes are added to the patients bill even it only perform once 2. If the doctor order multiple combo codes when laboratory test included. Those tests are added to patient bill multiple times 3. Rh typing code (fmlab-1015) rh antibodies (fmlab-1067) x-match (fmlab-1114) as examples (the code different between hospitals) 4. Collect and acknowledge supposed to be two different users (for cross matching samples only) 5. No alert for any transfusion s reaction 6. Venesection service is not available 7. Transfusion open even they receive the blood product more than 30mins 8. no monitoring if transfusion can be started after 30 min of issuance time & exceed 4 hours after transfusion		

9. Interface of machine require barcode no. While sample barcode numbers are not received in panacea.

10. Pending orders in his lead to wrong statistics & doctors and nurses cannot see the results. (Results should be interfaced with panacea)
11. Same staff can do double verification before transfusion.
12. No option for transfusion for op cases like dialysis & er.
13. Old patient history not showing in panacea which can lead to unnecessary or- des like blood group for example.
14. We received concern from nursing that units issued disappear from the transfusion screen after 24hours??
15. How doctors & nurses knows that unit is ready for issuance & compatible.
16. How unit return will be documented in his and in panacea.
17. Bb system down time how resolved bb system must not be down except in extreme rare situations.
18. What about outpatient orders like blood group in or profile or direct coombs for newborn??
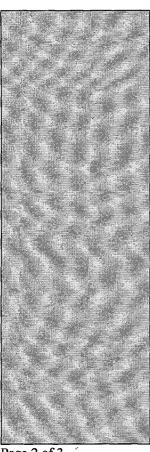19. How incompatible units will be documented in the patient file & segment x-match

Solution:
1. Rh typing, crossmatch, and antibodies should be charge to the patient only if it is having a result.
1. Crossmatch should be sent with each unit, blood group once per visit, antibody every 72 hours.

   Example: if there is an order 4-unit PRBCs the system should send:

   1 antibody test, 4 crossmatch and 1 rh test.

   If the doctor order any blood for the same patient within the same visit the system should not send blood group again.
2. On sample collection screen, system should ask for confirmations from different user for cross match test and to be logged and to show both name on the sample label
3. On blood transfusion, system should not allow same user for double verification before transfusion.
4. Create venesection as procedure so that the doctor can order it, and to be sent to panacea system. ((to develop the Venesection screen from Panacea.)
5. System should ask for justification if transfusion started after 30 min from issuing.
6. Report for blood transfusion tracking. Include transf. Duration. (Report template will be shared as an attachment.
7. Blood product that is not transfuse should be available on blood return option and when once it returns this blood product should be remove from the patient's bill
8. Return blood product should be also return to the blood bank stock
9. To develop the blood reaction screen from panacea and to be reflected by integrations to panacea.

10. Any blood transfusion should reflect on blood bank module (Ip crossmatch) with full red label, and on the new doctor module (history of blood transfusion reaction)
11.
12. Interface of machine require barcode no. While sample barcode numbers are not received in panacea. We need to send the sample ID to panacea.
13. Blood transfusions can be administered in ER and OP.
14. System should send blood group history with the order.
15. All blood bank test to be sent to panacea and the result should be sent back from panacea to HIS to be saved in patient file.

Impact:
1. Add more patient's safety
2. Enhance patient experience
3. Correct patients bill
4. Less bill cancellation and correction
5. Correct blood stock count
6. Blood bank staff notification
7. Standardized the process

approval

Requestor (request initiator)

Title	Name	Signature
LAB Director	Dr. Osama ELFayoumi	for D.Moh.Mu

Analysis done by (business analyst / section lead /)

Title	Name	Signature
Ba lead	Iyad abu shabib	
Senior business analyst	Arjay Villegas	*(signature)*

Development review (backend development director)

Title	Name	Signature

Change management team

Title	Name	Signature
IT Change Manager	Talha Razi	talha

Business owner

Title	Name	Signature