



A Prototype of mobile appⁿ for

~~A Mobile Application Prototype of Neonatal
Hyperbilirubinemia Tracking and Detection in Infant using
Image Processing Techniques.~~

Group Members

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Advisor

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- Neonatal hyperbilirubinemia is one of the most important diseases that can harm a infant.

- Usually found 2-3 days after birth about 20-50%.

Fraser's
prevalance rate

- As a result of the breakdown of the red blood cells.

- Transcutaneous bilirubin, (TcB) measure the forehead area.

- Usually occurs in infants who can return home.

- Some parents do not know or can not take the baby to heal in time.

Standard detection :



Objective

- Develop a mobile
1. ~~Create the application that can help~~ infant's caretaker about (Neonatal hyperbilirubinemia) ~~detect~~ in





Scope of the project

(f) for data mining from an model * uân

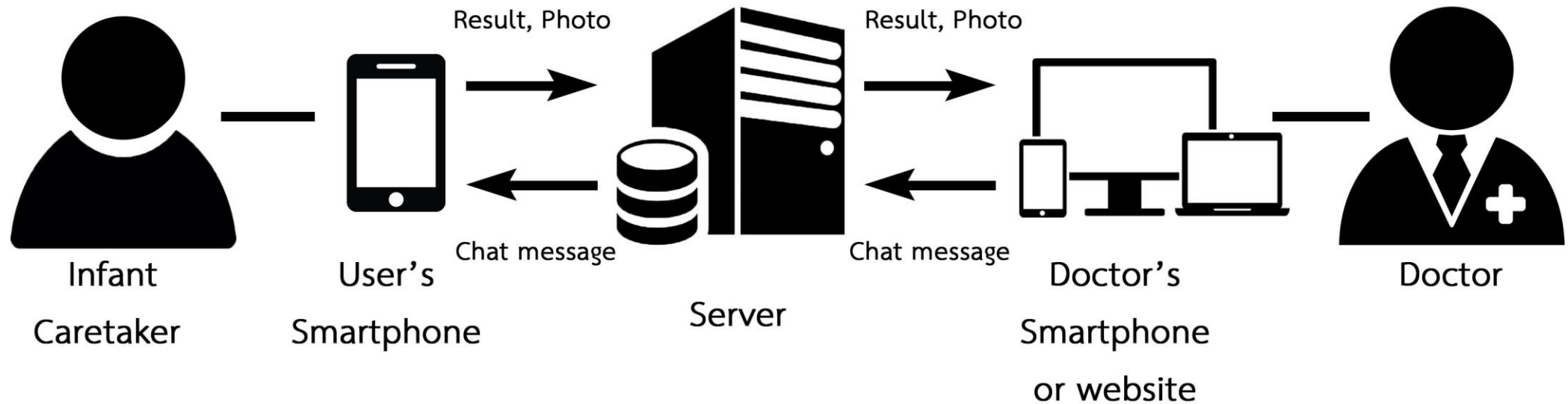


- date of 9
1. It can screen infant who have Neonatal hyperbilirubinemia.
 2. It can ~~send~~ ^{send report} data between infant's caretaker and the doctor.
 3. It can keep basic information of infant.

2/2/2019 scope uân

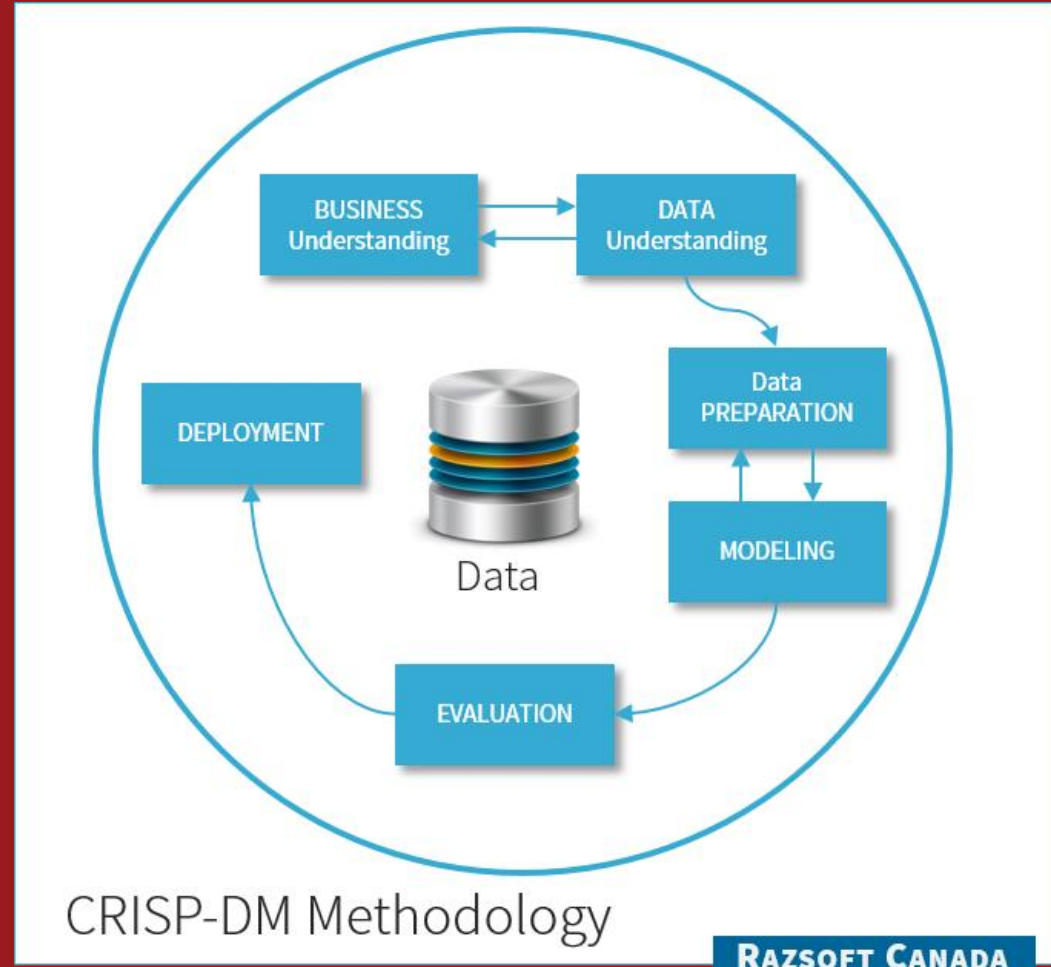


Analysis | System Architecture of system



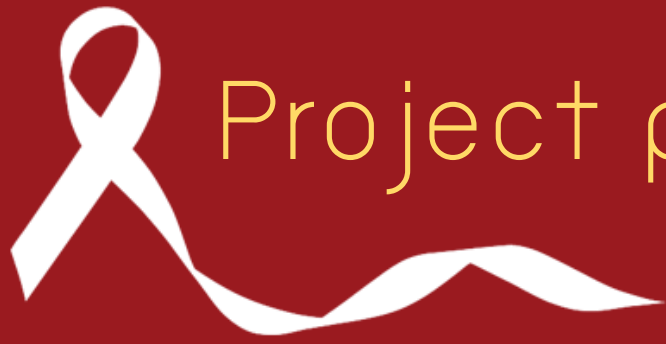


Analysis | CRISP-DM



RAZSOFT CANADA

Reference

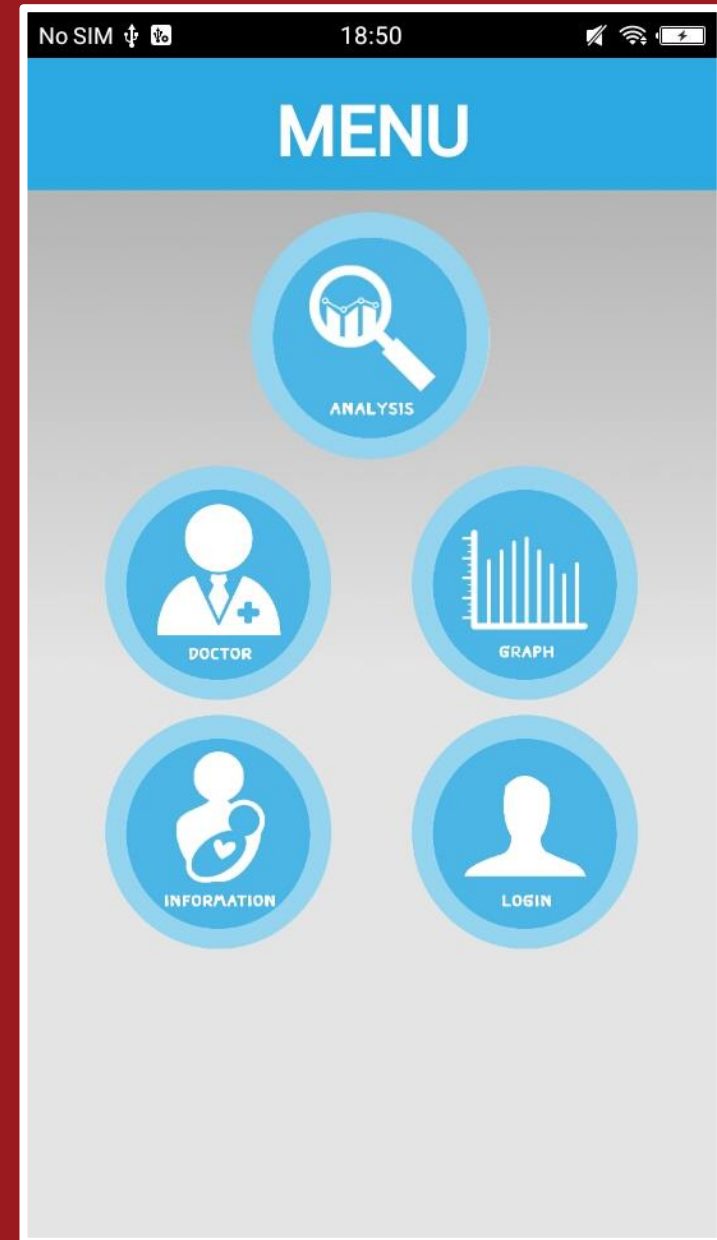


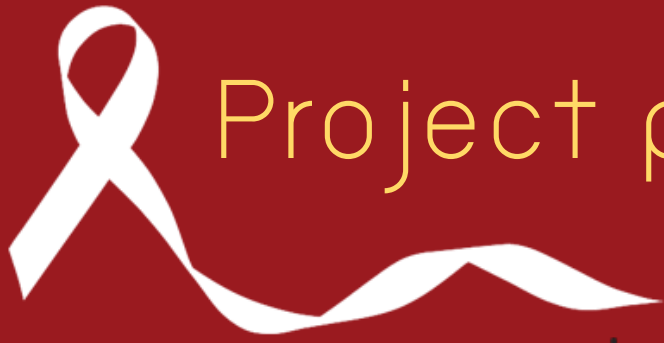
Project progress

MENU

- Analysis
- Doctor
- Graph
- Information
- Log in

9.9. 49



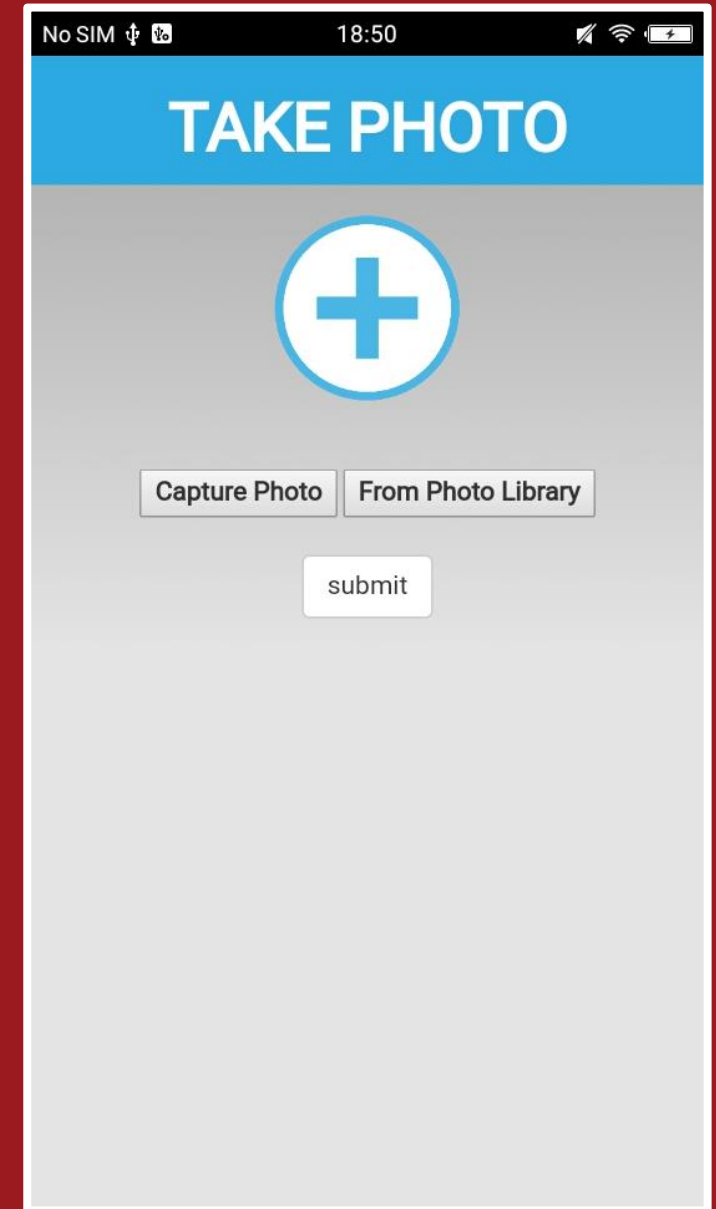


Project progress

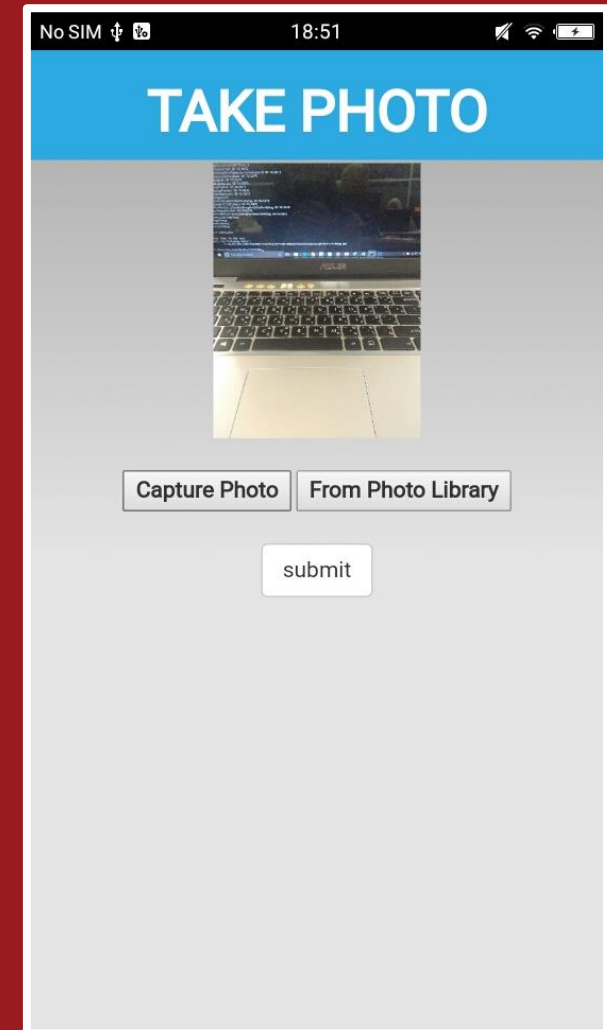
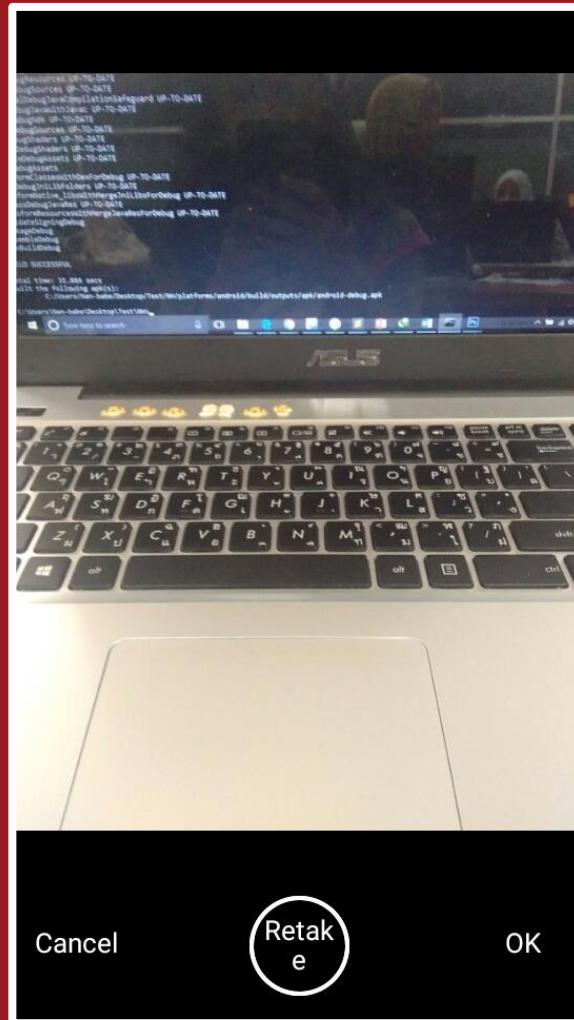
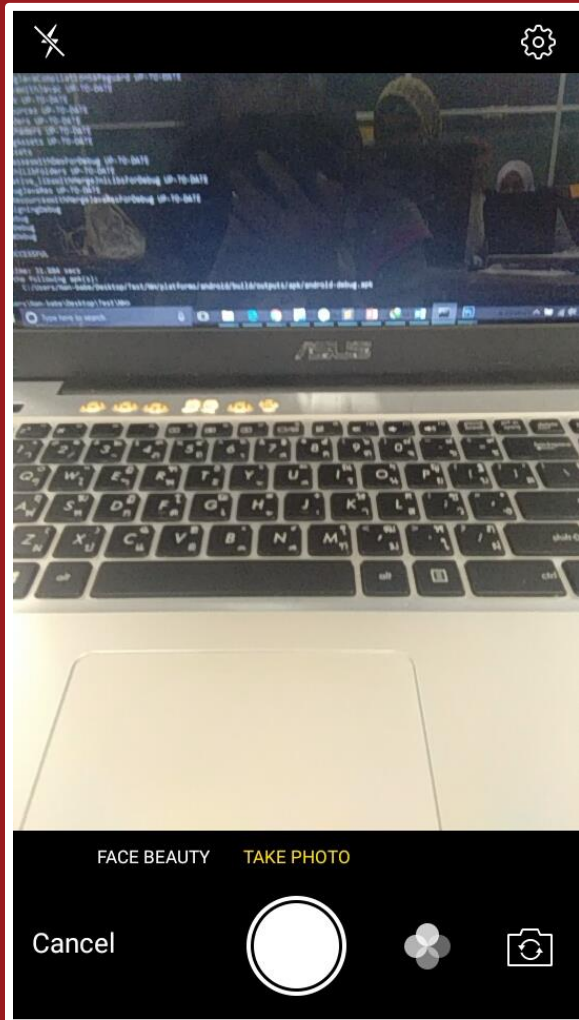
Analysis

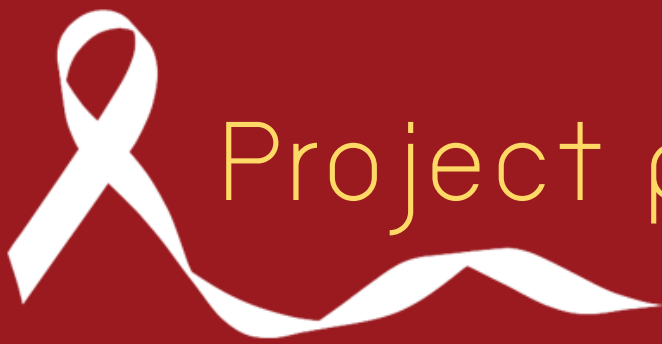
Analyzed menu

- *user* It can take a photo.
- *user* It can Choose photo from library.
- It can show photo when you capture or choose photo.
- When you click submit, It show analyzed RGB value and Ratio value.

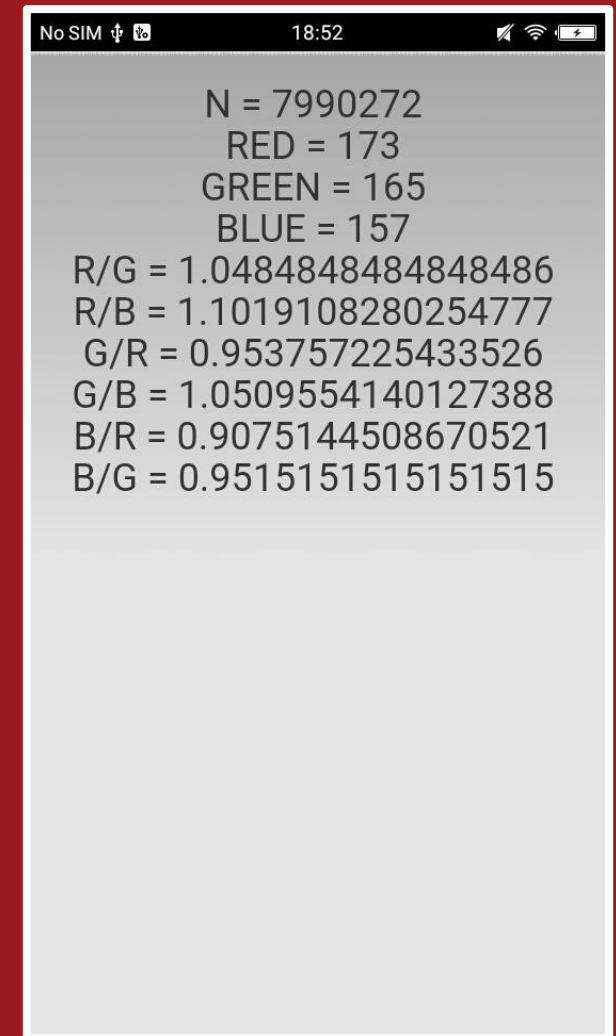
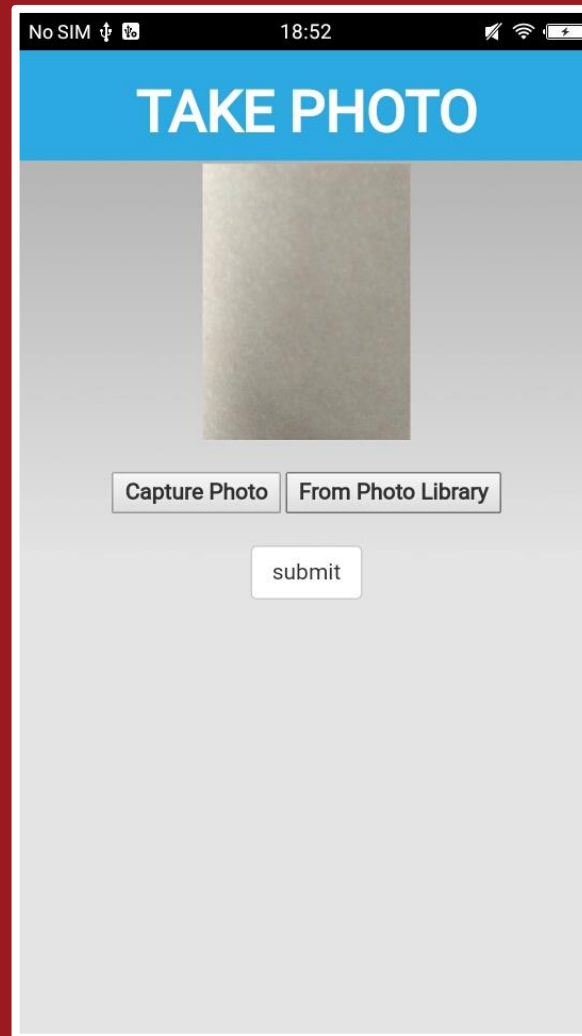
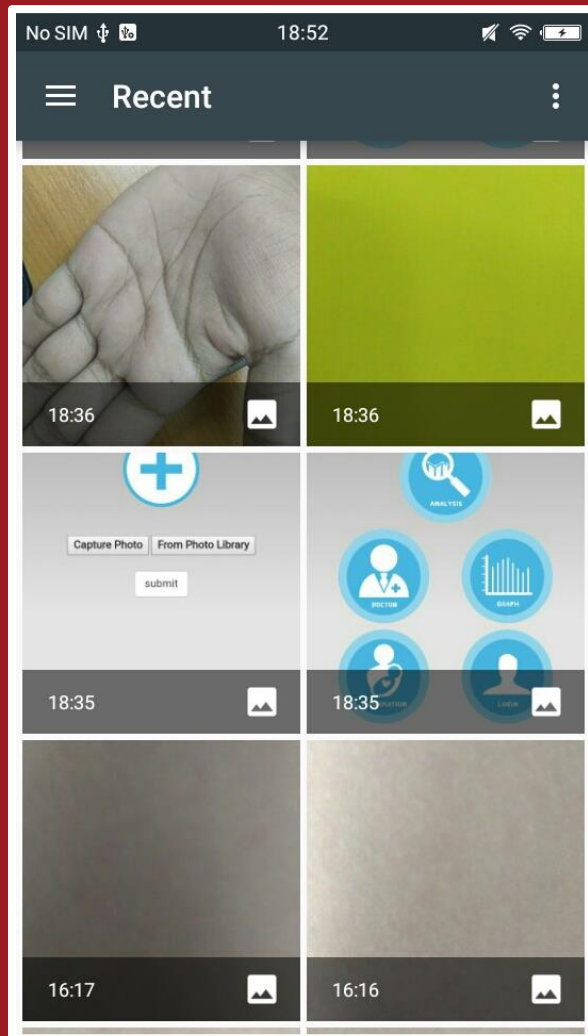


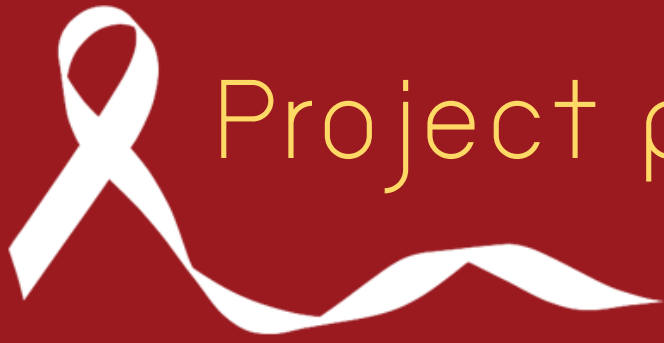
Project progress





Project progress



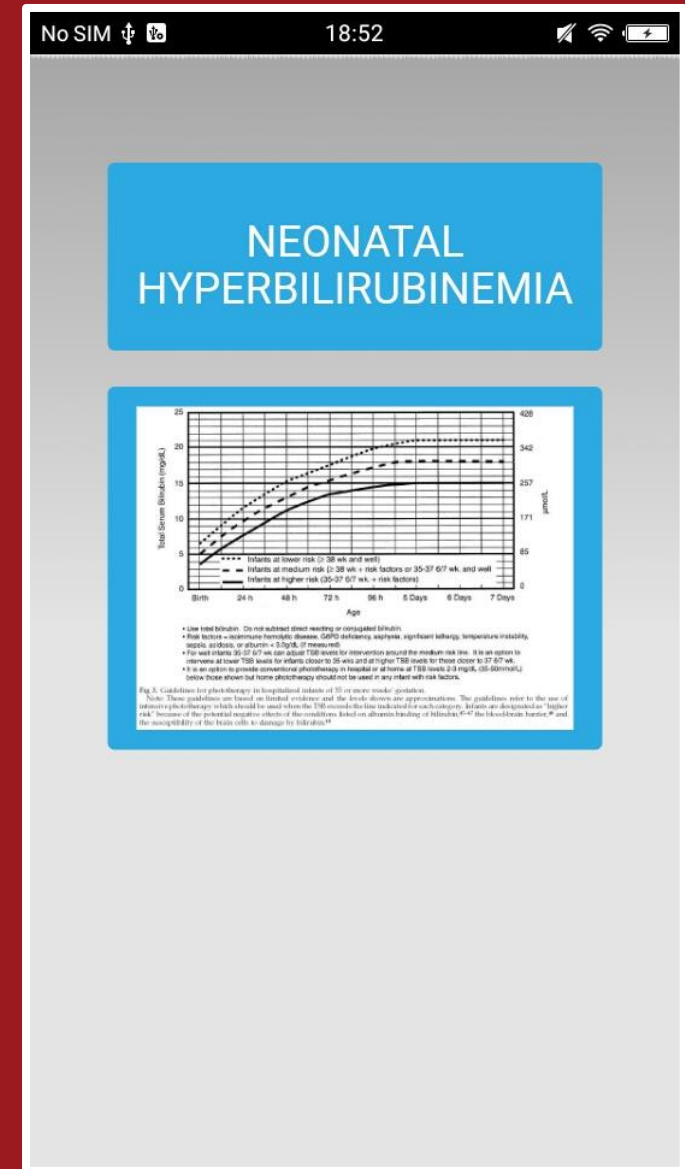


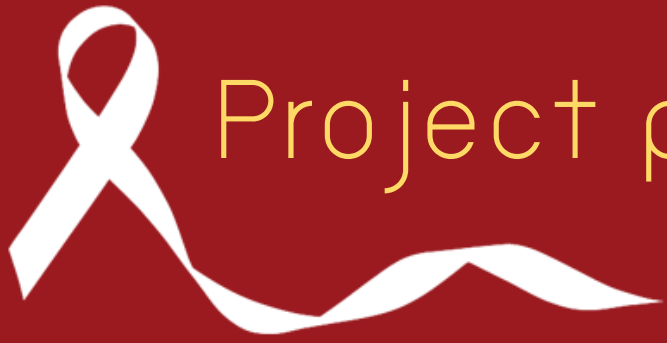
Project progress

Graph menu

- It can show graph of Neonatal Hyperbilirubinemia and knowledge

indication






Project progress


*150 or 159?
scope within?*

Login menu

- User can put username and password.
- User can login and register application.

No SIM 18:52

 Username

 Password

LOGIN

SIGN IN



Project progress

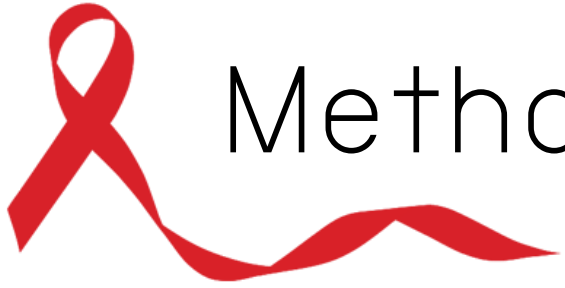
Information menu

- User can put their information for register.

No SIM 18:52

INFROMATON

FIRSTNAME	<input type="text" value="firstname"/>
LASTNAME	<input type="text" value="lastname"/>
NICKNAME	<input type="text" value="nickname"/>
BIRTH DATE	<input type="text" value="birthdate"/>
BIRTH WEIGHT	<input type="text" value="weigh"/>
BIRTH HEIGHT	<input type="text" value="height"/>
NO.DOCTOR	<input type="text" value="no.Doctor"/>



Method to developed work

Mobile Application

- The application cannot connect a database.
- The application cannot sent data between infant's caretaker and the doctor.

21/5/16

Analysis

- The application has no analyzed model for Neonatal hyperbilirubinemia.

99 21/5/16

วิเคราะห์ระบบที่พัฒนาได้
พบว่ายังไม่สามารถใช้งานได้
if Present Continues
การวิเคราะห์ /
การประเมินผล



Thank you