

REDLINE A MOBILE HEALTHCARE APP:

DESIGNING, DEVELOPING AND TESTING OF A MOBILE APPLICATION FOR DATA INQUIRY OF HEALTHCARE SERVICES AND BLOOD PRODUCTS IN ILIGAN CITY.



THE RESEARCH PROBLEM

- 1. POOR ACCESSIBILITY TO HEALTHCARE SERVICES INFORMATION.**
- 2. HEALTH BELIEFS AND BEHAVIORS OF FILIPINO OLDER ADULTS.**
- 3. SUSCEPTIBILITY TO DIFFERENT KINDS OF DISEASES BY HOSPITAL ENVIRONMENT EXPOSURE.**
- 4. UNFAMILIARITY OF THE PEOPLE OF ILIGAN WITH THE PHILIPPINE RED CROSS TRANSACTIONS.**

OBJECTIVES OF THE PROJECT

1. Determine the Demographic profile of the respondents in terms of:

- Age
- Sex
- User's category

2. Determine the Effectiveness of the mobile App in terms of:

- Usability
- Acceptability

3. Determine the Relationship and Association between the demographic profile of the respondents towards mobile application's Effectiveness.

METHODOLOGY



RESULTS AND DISCUSSIONS

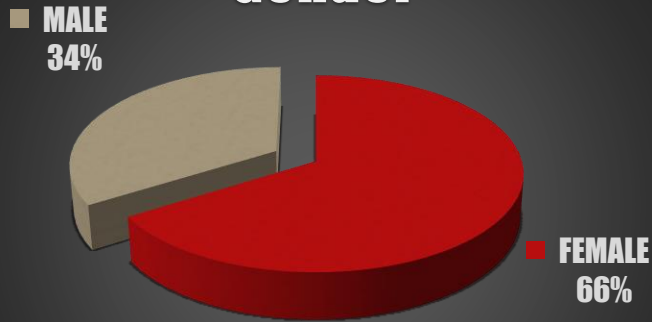
1. THE DEMOGRAPHIC PROFILE OF THE RESPONDENTS:

Age of the respondents

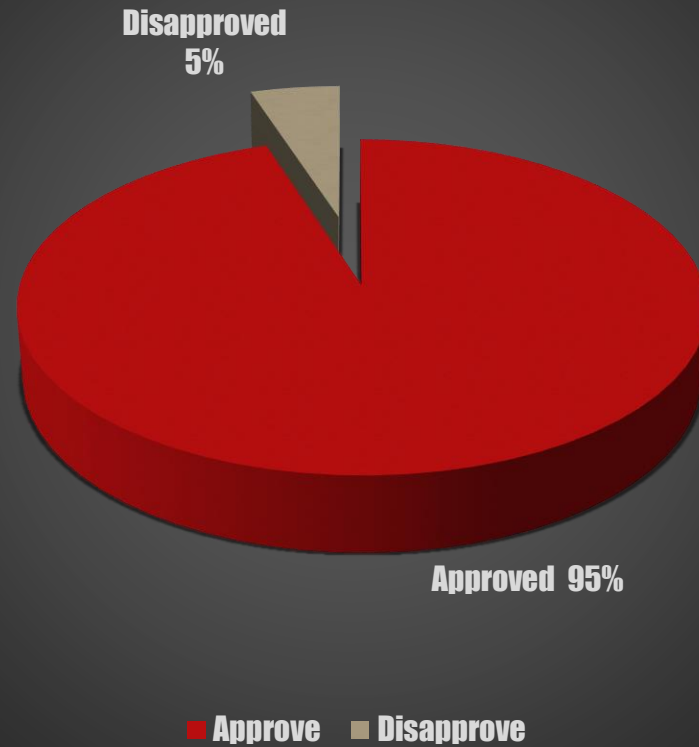
AGE	MINIMUM	MEDIAN	MAXIMUM
TOTAL SAMPLE	18	37	68
HEALTHCARE PROVIDER		32	
NON-HEALTHCARE PROVIDER		25	

The effectiveness of the mobile app in terms of usability and acceptability.

Gender



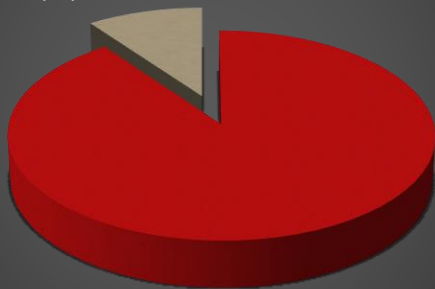
Usability of the Application



Out of 30 healthcare providers, 27 approved the application and 3 disapproved in terms of its acceptability.

Acceptability for Healthcare Providers

Disapprove, 3, 10%



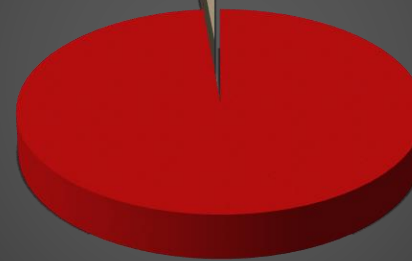
Approve, 27, 90%

■ Approve ■ Disapprove

Out of 70 non-healthcare providers, 69 approved the application and 1 disapproved in terms of its acceptability.

Acceptability for Non-healthcare Providers

Disapprove, 1, 1%



Approve, 69, 99%

■ Approve ■ Disapprove

The relationship and association between the demographic profile of the respondents towards mobile application's effectiveness.

According to Age

HEALTHCARE PROVIDERS

A. There is a significant relationship between the age of healthcare providers and their Usability and Acceptability of the application.

NON-HEALTHCARE PROVIDERS

B. There is no significant relationship between the Age of Non-healthcare providers and their Usability and Acceptability with the application

CONCLUSIONS

The researchers conclude that REDLINE mobile healthcare app that aims to help the community in accessing healthcare information of healthcare services and blood products in Iligan city. Based on the results of the study it was proven Effective in terms of Usability and Acceptability

RECOMMENDATIONS

FOR THE DEVELOPMENT OF THE STUDY, THE RESEARCHERS RECOMMEND THE FOLLOWING:

1. DEPARTMENT OF HEALTH

- Funding and Utilization of the mobile application Nationally.

2. HEALTHCARE PROVIDERS

- Utilize REDLINE to help your clients be informed of the services that you provide

3. THE COMMUNITY

- Take advantage of technology and Use REDLINE to minimize time, effort, and money in visiting Hospital

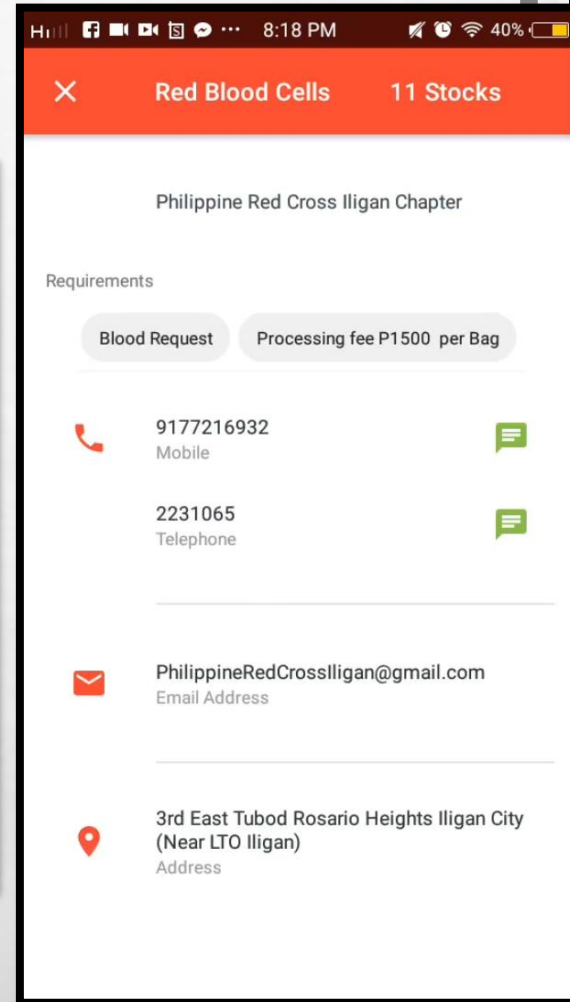
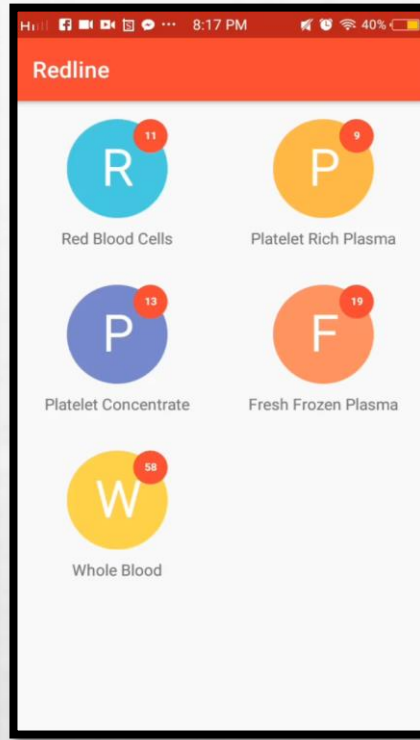
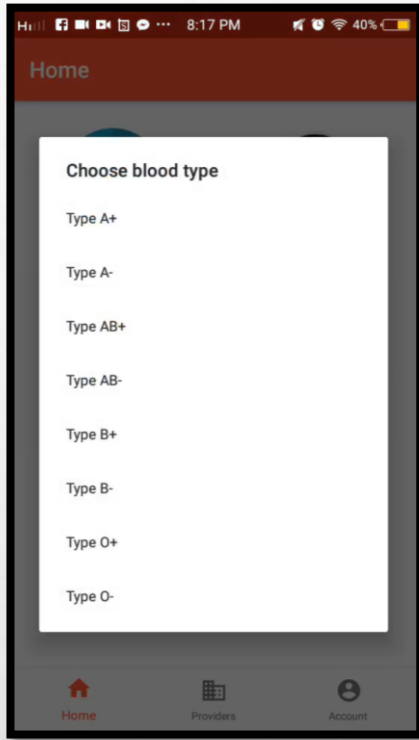
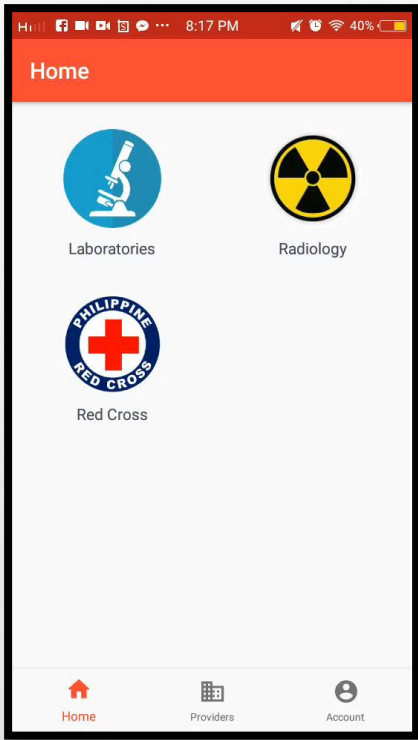
4. Future Researchers

- To enhance the features of the mobile app.

PRODUCT DEMONSTRATION
How to use the mobile application?

1. Download the APP and Register
2. Use the App to view the services offered by the Hospital and Philippine Red Cross
3. Get Informed with Price, Schedule, Location, Contact information and Transactions of your service.

RED CROSS



RADIOLOGY AND LABORATORIES

