

## Location and Notification Based Application for Hospitals Emergency Codes Announcements Using Beacons

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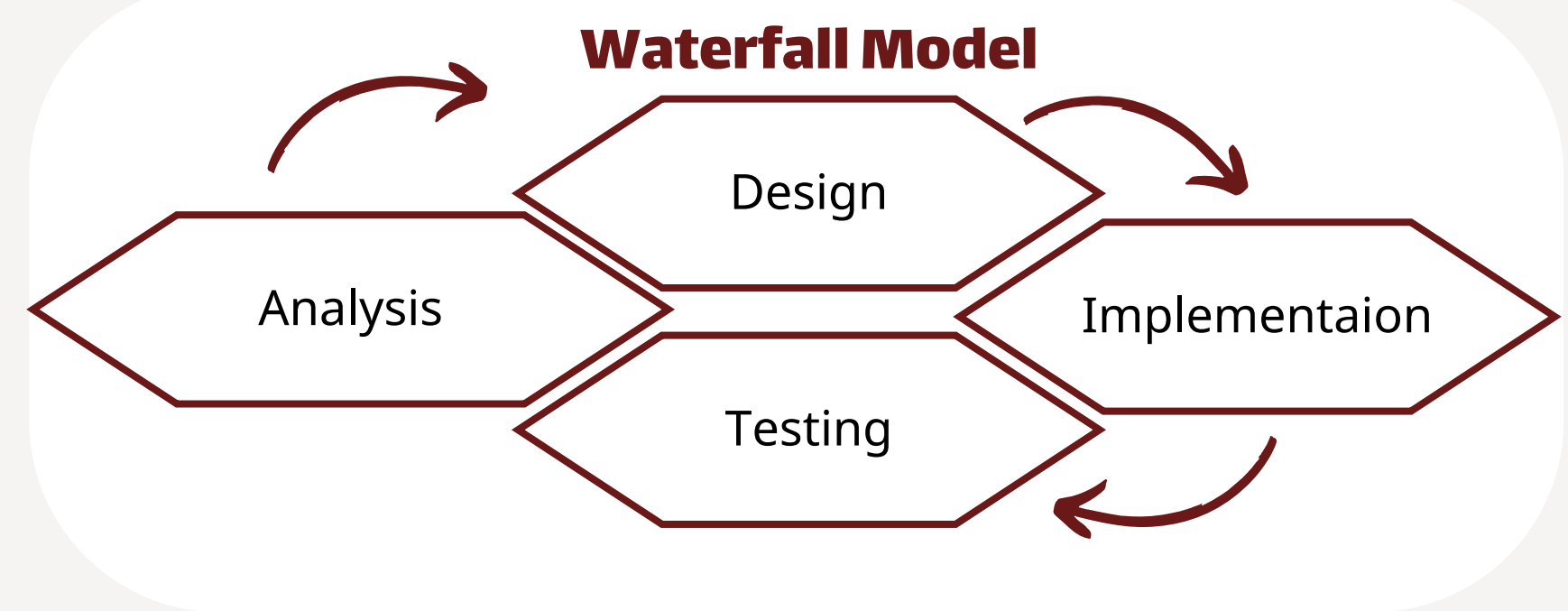
### ABSTRACT

This project aims to conduct a special announcement system that send a notification to the phones of hospital staff. The hospital staff can report the emergency code alert and send all the information about the emergency situation, and the system will dispatch it all around the hospital using beacons without causing panic among patients and visitors of the hospital. The beacons should be installed everywhere around the hospital in order to deliver the notification to all staff. This can help in quickly response to any urgent situation or when a medical emergency arises to prevent the patient's health from deteriorating.

### FUTURE WORK

- Applying the indoor location feature with visual map to users.
- Making our application available on wearable devices such as smart watches.
- Making our application available on the most hospitals in Saudi Arabia.

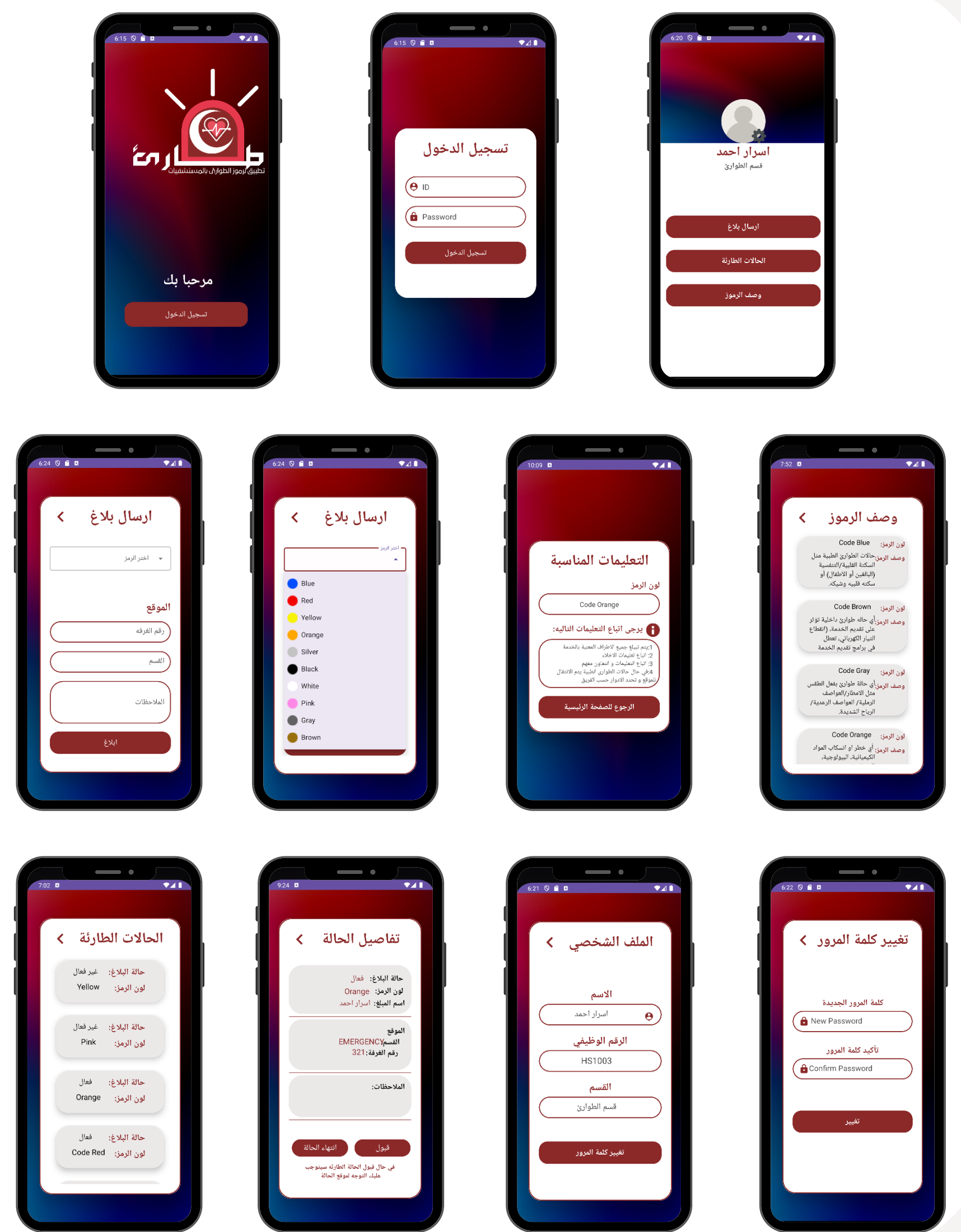
### METHODOLGY



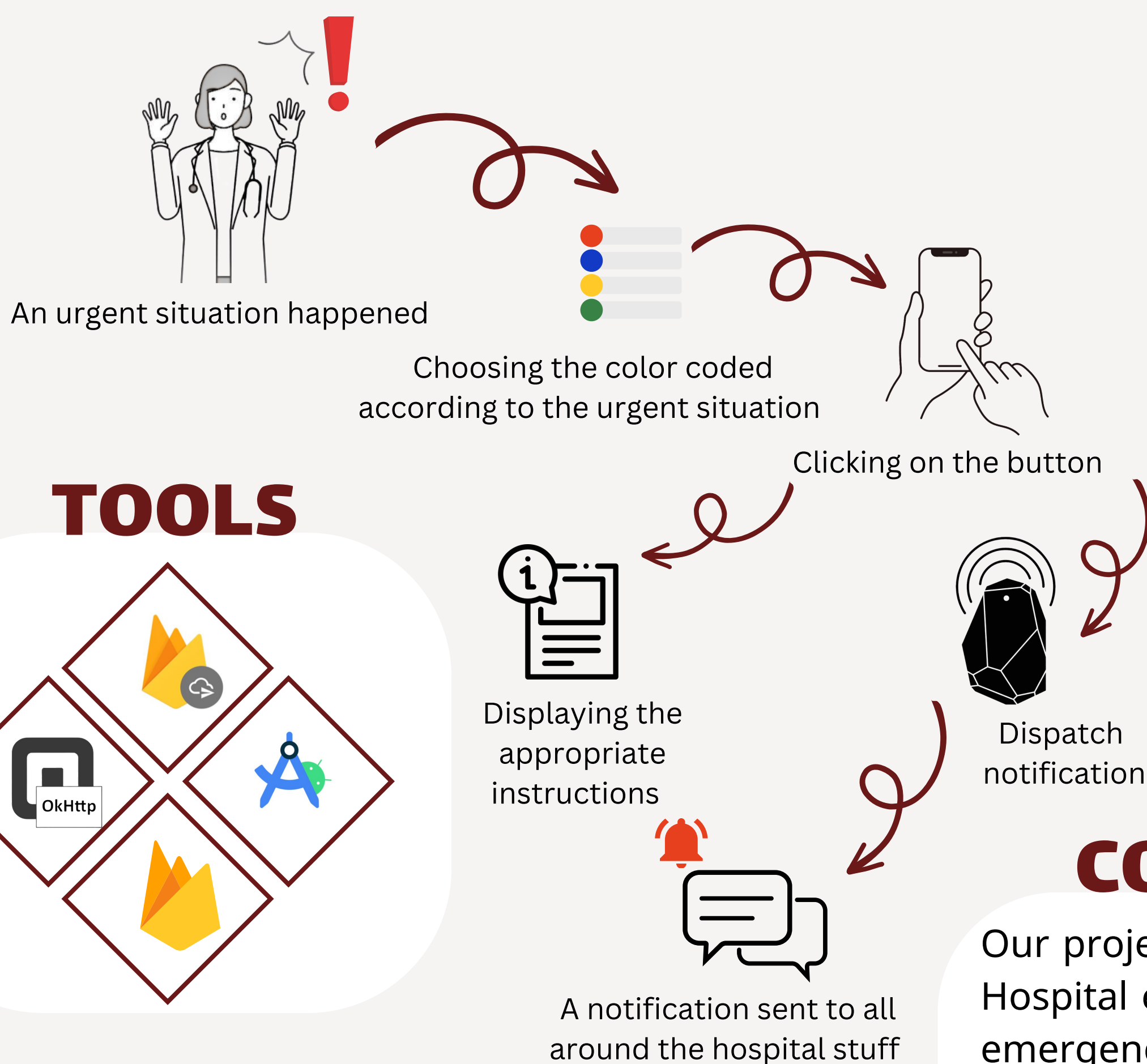
### OBJECTIVES

- Facilitate communication.
- Providing faster assistance to the patients.
- Not causing panic among patients and visitors.

### INTERFACES



### SYSTEM DESCRIPTION



### TOOLS



### CONCLUSION

Our project "طارئ" is a location and notification based application Hospital emergency code announcements were developed to help with this emergencies. The application serves as a public announcement system Specially designed for hospital staff mobile phones. Through this application, employees will receive relevant notifications and information regarding the Site Emergency cases inside the hospital. This will enable them to respond quickly And efficiently for these urgent events.

Demo :

