

ELDER MONITORING DEVICE

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Abstract:-

When people face health issues that requires immediate help and does not have any one near by to provide first aid, gets in to the condition where saving their life become critical. With the current life style system, monitoring the elders health round the clock is challenging. This leads to situation where they do not have any one to support during the need for a health emergency

Introduction

- This elder monitoring device is a safe tool for the elder .
- **It will also rise a security alert during the time of emergency.**
- The app will be connected to one or more mobile phones and will send signals about their pulse rate and activities to whatsapp and sms.
- **The elder monitoring device watch can be worn by elders at out side of home.**
- The device will overcome the challenge in making phone calls at the time of emergency and also helps in constant update to their dear ones. The device will need internet connection to register the mobile device and send constant message to there whatsapp and sms.

Existing System

Existing system - You can take an electrocardiogram (ECG) with the ECG app
which is used in apple wearables

Proposed System

- Create a device that monitors the pulse rate of the elder especially when they are alone.
- When the pulse rate of the elder ones gets altered, the device immediately sends notification of emergency alertness to the concerned guardian.
- If the concerned guardian didnt respond then the information is passed to nearby healthcare providers as emergency.
- The person in need , when alone can get immediate first aid andtheir life will be saved.

Advantages

- The device take care of the personal safety and aids in providing on time health aid.
- Low cost device and easily affordable
- User friendly device.
- It reduces the death rate due to lack of first aid at the right time by 70%

System Architecture

12:10 AM

Profile settings

Personal Informations

Name :

Date of birth:

Gender: ☒ Male ☐ Female



Height: ft. in.

Weight: lbs.

Email:

Phone number:

User id:

 Image: 

Save

12:10 AM

Name:

Phone Number:

Message:







12:10 AM

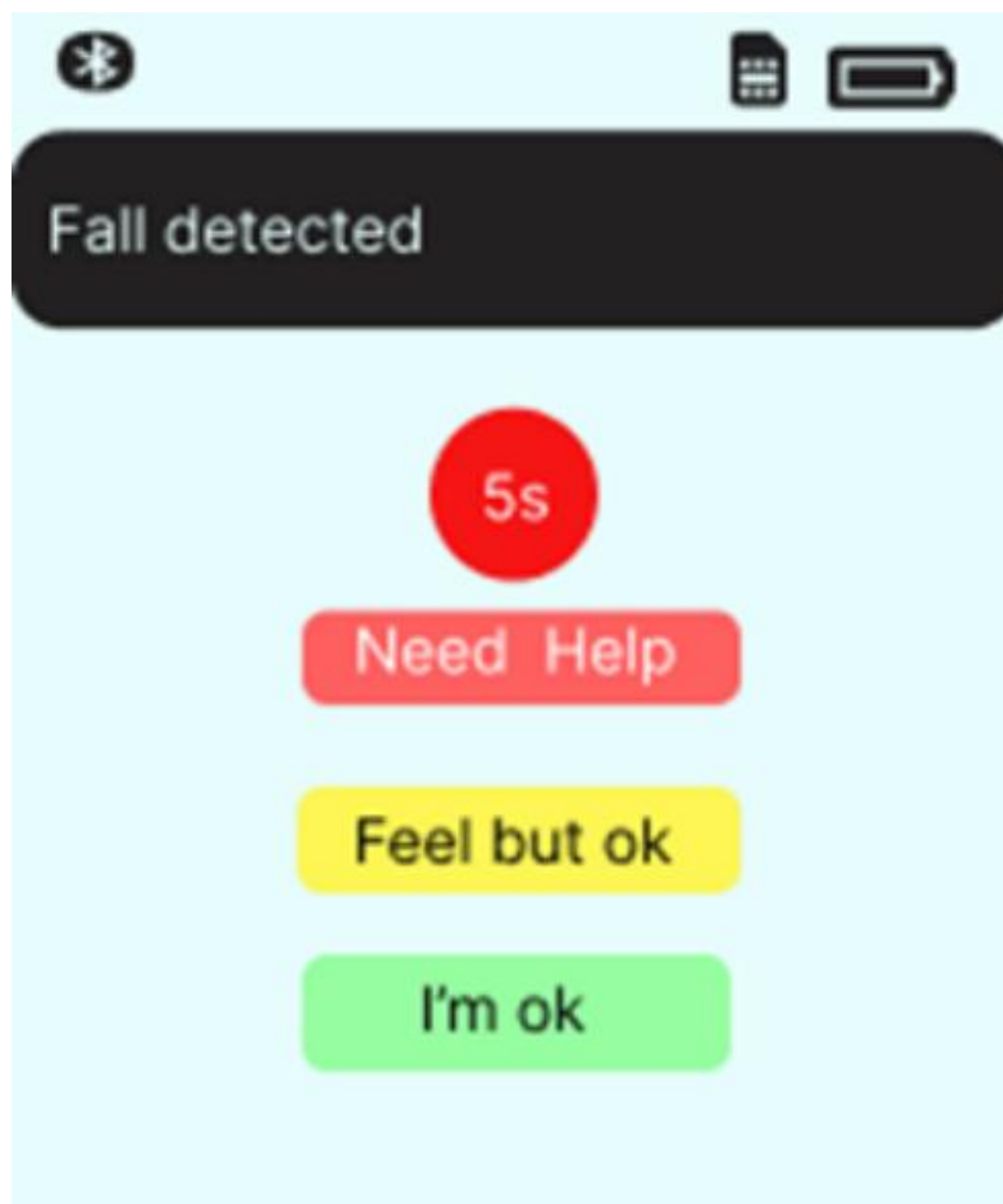
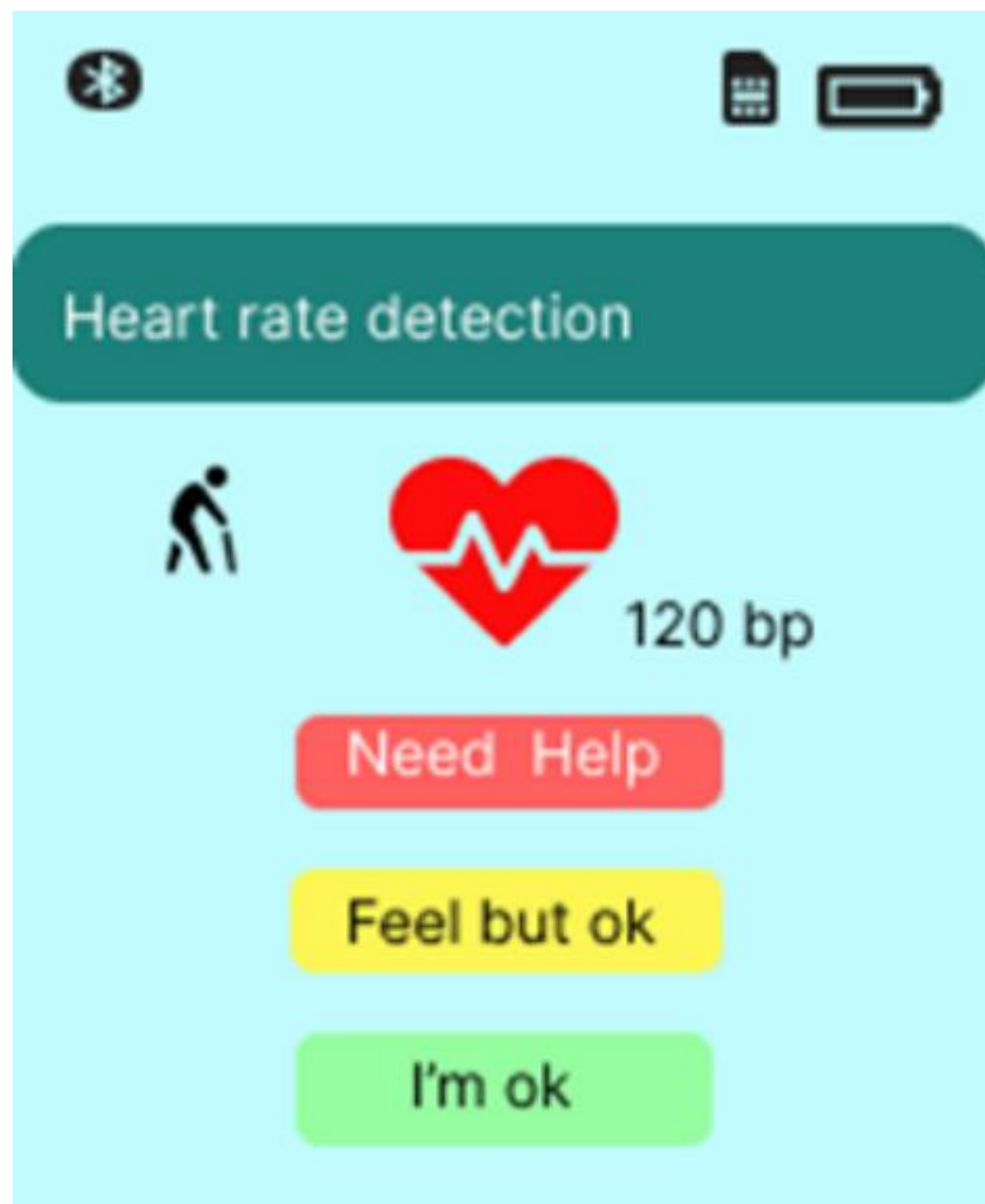
Message

12:09 AM

Emergency alert..
Heart reat is 120bp.
Need help







Technical details

Applications:

- Application for Phone
- Application for watch

Tech Stacks

- Android UI(Adobe xd)
- Java language
- Firebase / Mysql