

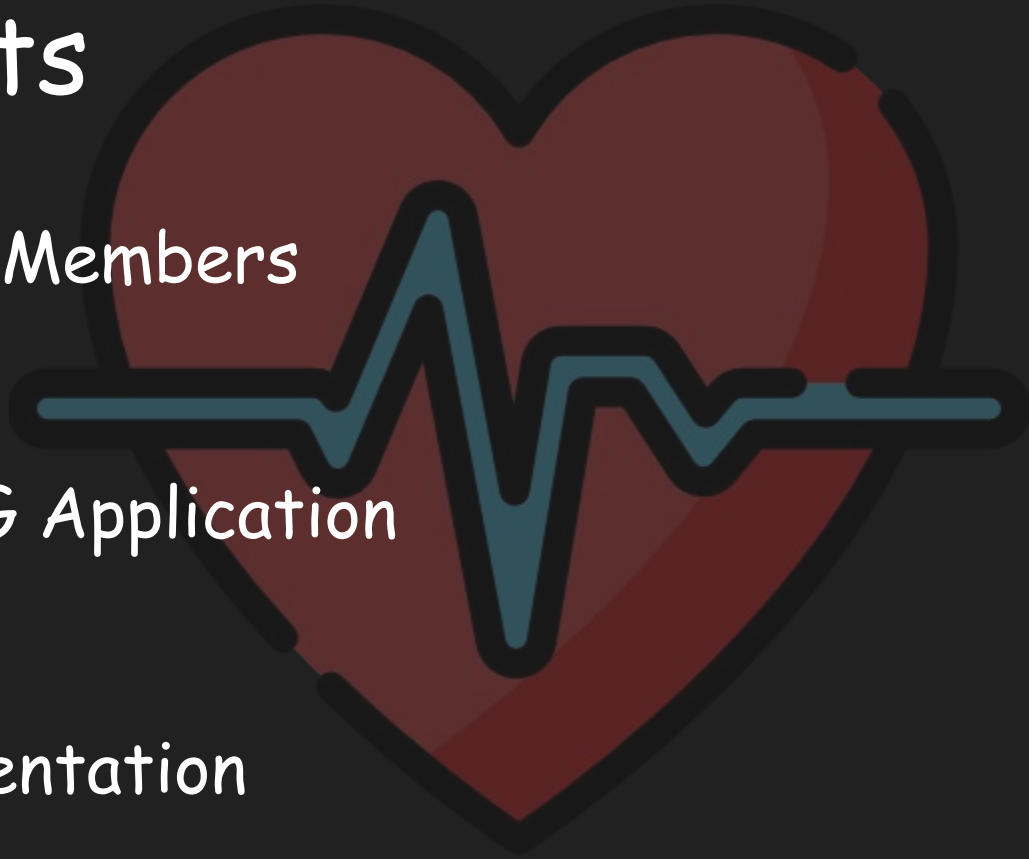


# ECG Kit Application

조정희, 김준형, 최윤희, 박범순

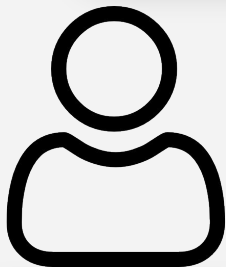
# Contents

1. Project Members
2. Our ECG Application
3. Implementation

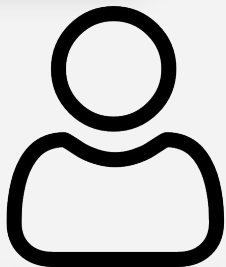


# Project Members

## Front-End



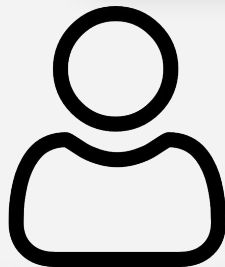
Yunho Choi



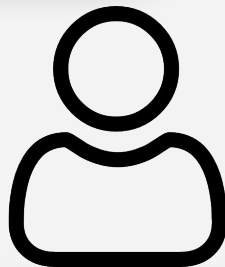
Beomsoon Park

HW & App Connection / UI

## Back-End



JunHyeong Kim



JeongHui Cho

Server / Data Management

# Our ECG Application

- Main Functions

1

로그인 기능을 통한 사용자 정보 다루기  
Handling user information by implementing Login function

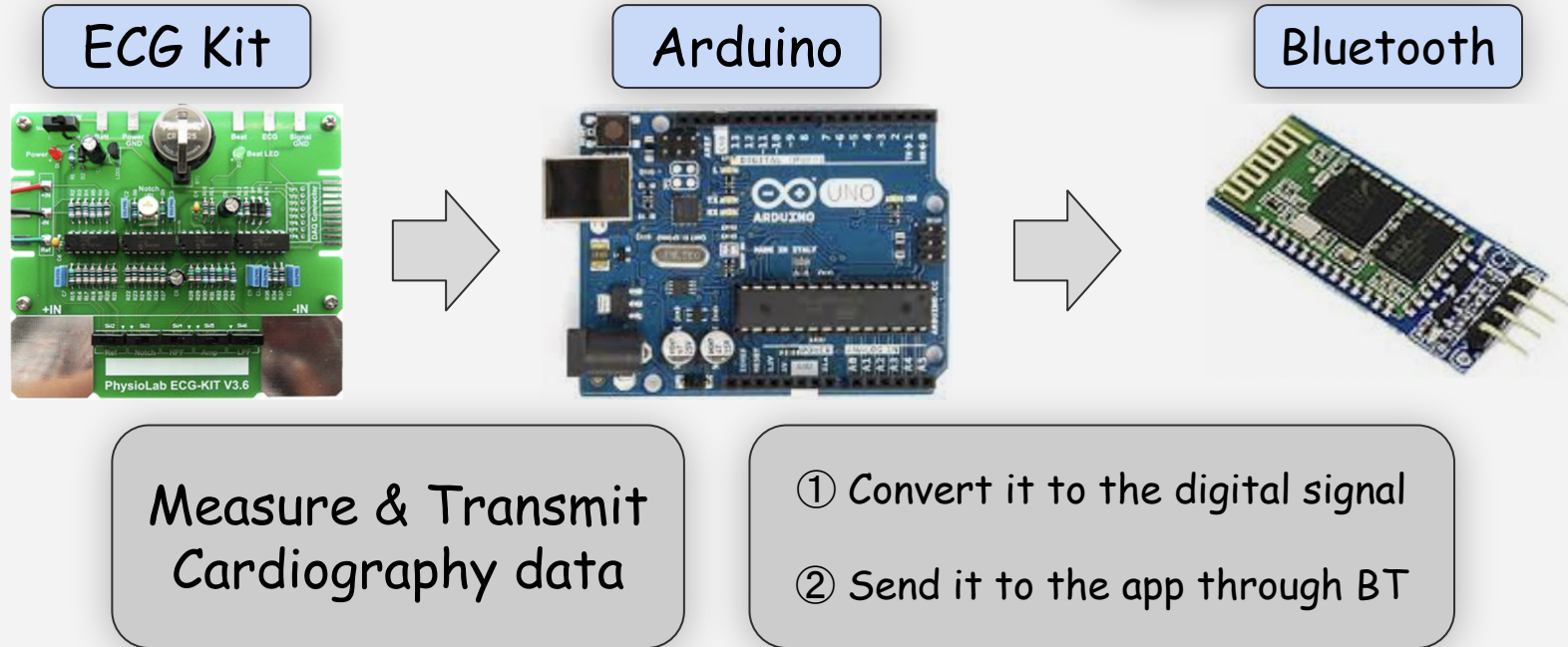
2

디지털 신호로 변환된 심전도 정보 그래프로 표현  
Show the graph of the digital signal of cardiography data

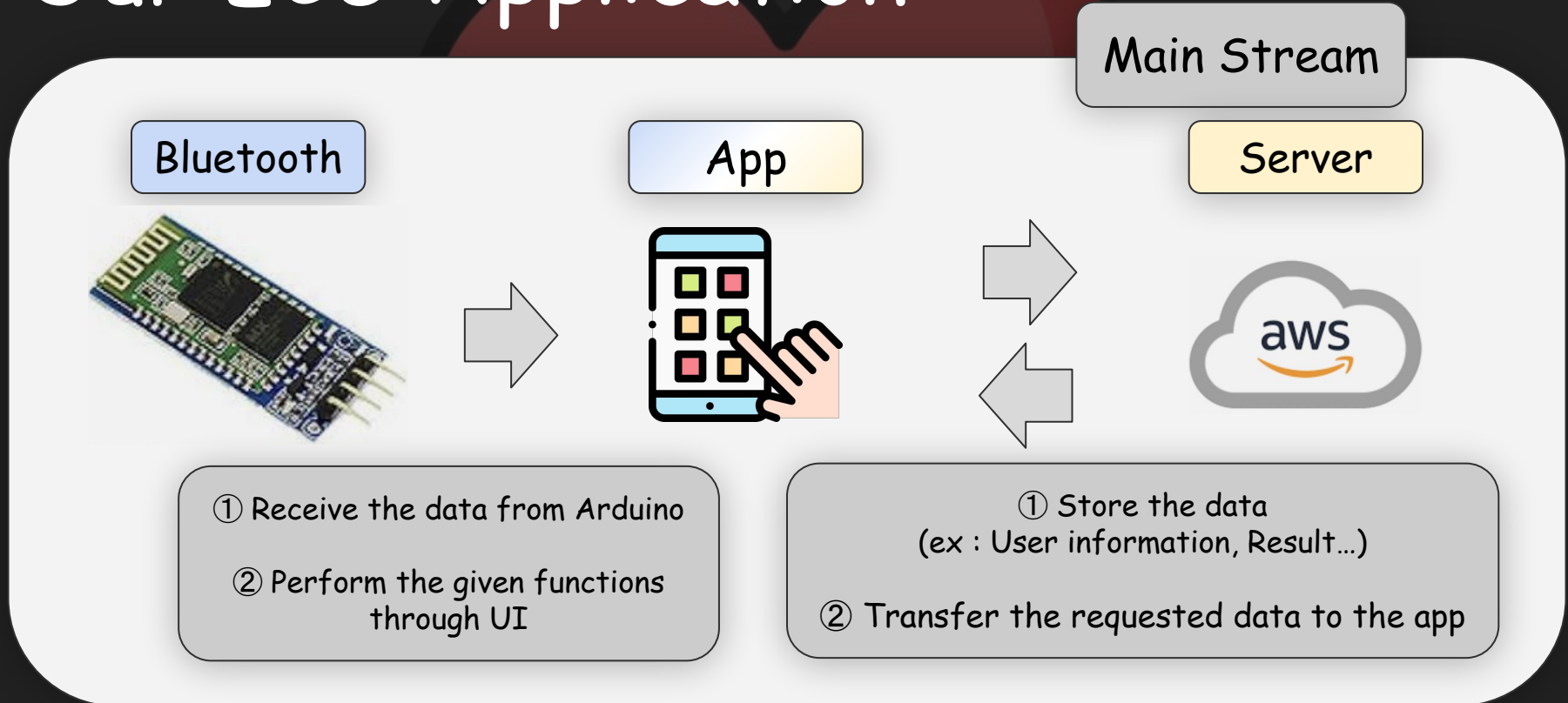
3

서버를 통해 사용자별 심전도 정보 저장 및 불러오기  
Store & Receive the measured data through the server

# Our ECG Application



# Our ECG Application



# Implementation - Login

No user info? → Sign up

Already done Register?  
Input Email & PW → Login


LOGIN

SIGN UP

9:40 100%

MyBluetooth

ECG LOGIN



LOGIN

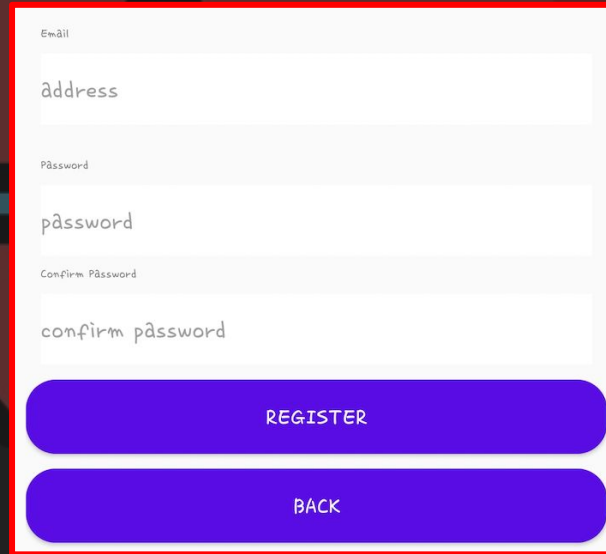
SIGN UP

ver 0.0.01

# Implementation - Sign up

Input your ID & PW  
→ Click Register Button

(\* If 2 typed PWs are  
different, you cannot register)



A desktop view of the ECG SIGNUP form. It features four input fields: Email, address, Pãssword, and Confirm Pãssword. Below the fields are two large blue buttons: REGISTER and BACK. A red rectangular box highlights the entire form area, with lines extending to the mobile app view on the right.

Email

address

Pãssword

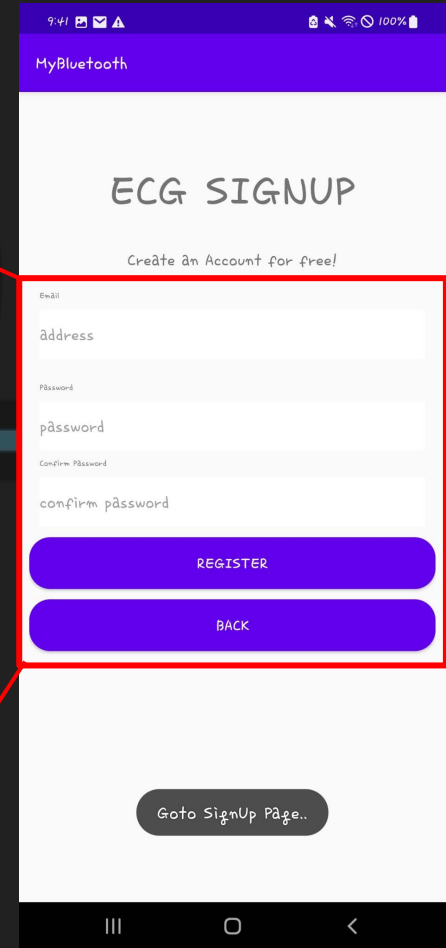
pãssword

Confirm Pãssword

confirm pãssword

REGISTER

BACK



A mobile app view of the ECG SIGNUP form. The app has a purple header with the text "MyBluetooth". Below the header, the title "ECG SIGNUP" is displayed, followed by the subtitle "Create an Account for free!". The form fields (Email, address, Pãssword, Confirm Pãssword) and buttons (REGISTER, BACK) are identical to the desktop view. A red rectangular box highlights the form area, with lines extending to the desktop view on the left. At the bottom of the screen, there is a button labeled "Goto SignUp Page..".

MyBluetooth

ECG SIGNUP

Create an Account for free!

Email

address

Pãssword

pãssword

Confirm Pãssword

confirm pãssword

REGISTER

BACK

Goto SignUp Page..



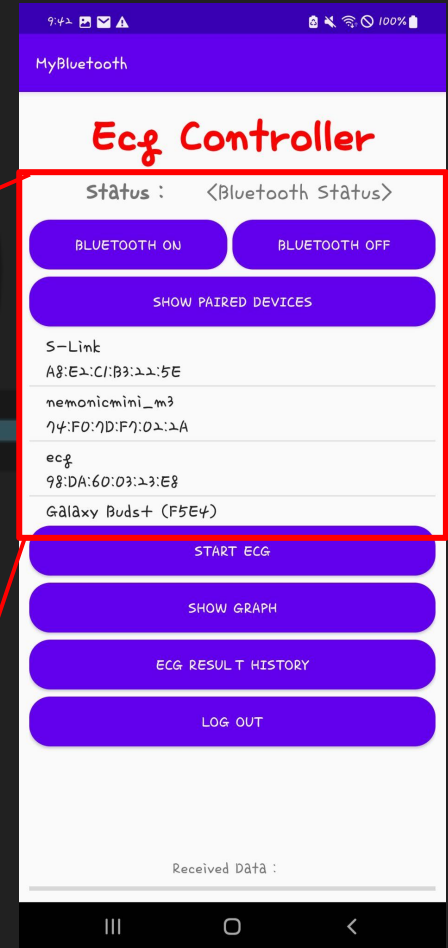
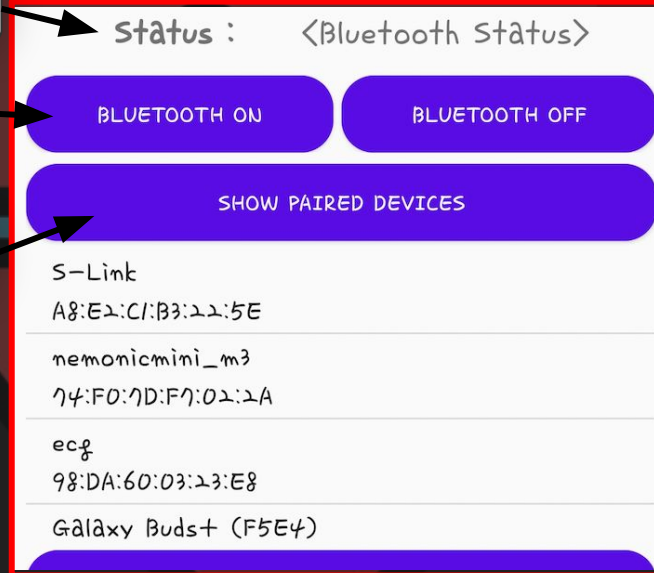
# Implementation - Main Page

BT connection status

BT On / Off Button

Show the list of paired devices

Check the bluetooth status  
& Make connection with the  
selected paired device



# Implementation - Main Page

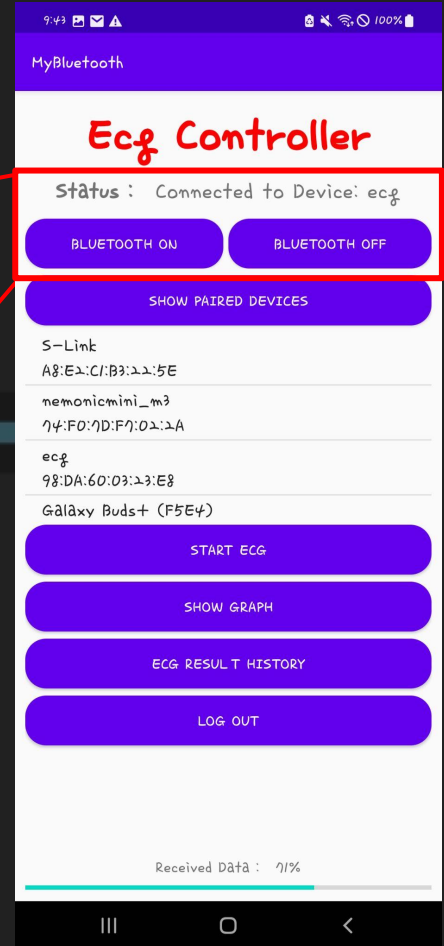
Status : Connected to Device: ecg

BLUETOOTH ON

BLUETOOTH OFF

Status

- The connection (Arduino ~ App) Success



# Implementation - Main Page

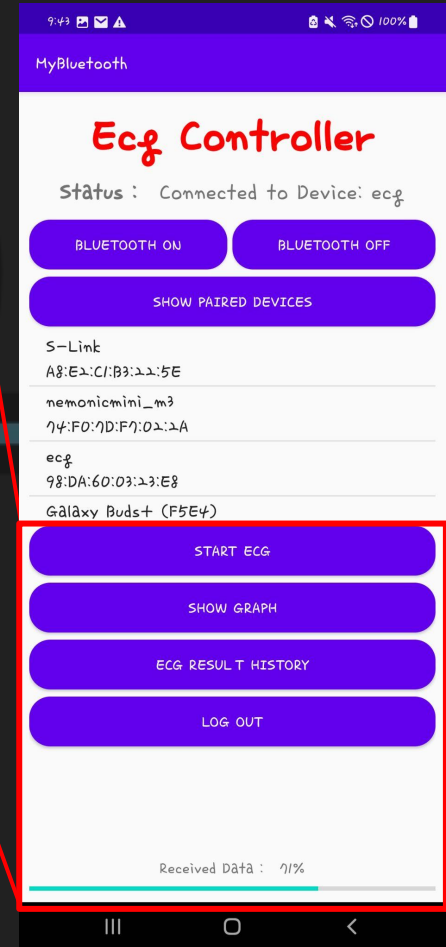
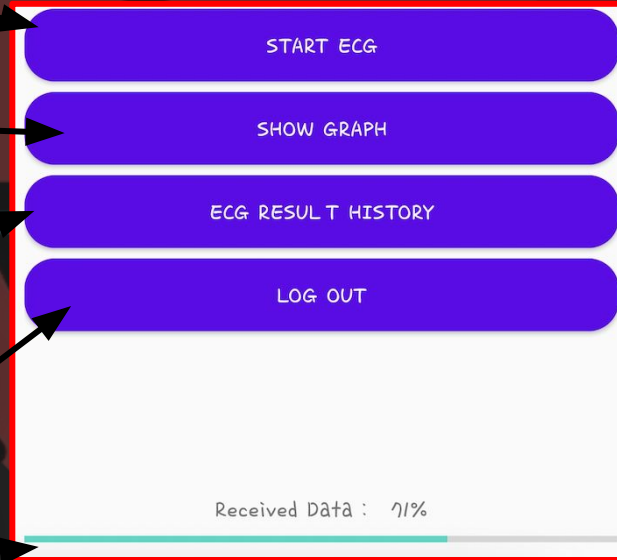
Get data from Arduino

Go to the result graph page

Show the list of previous result

Log out

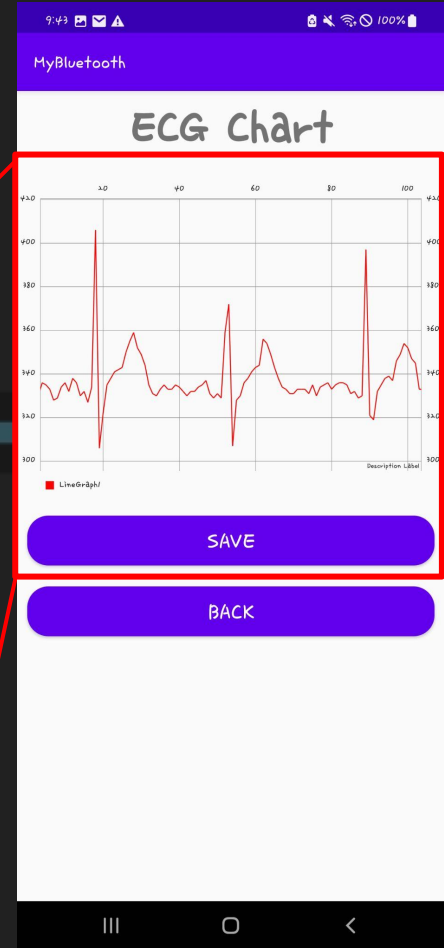
Show the progress of transferring measured data



# Implementation - Graph Page

Graph of the result  
(\* The scale is settled, but  
Zoom-in & Zoom-out available)

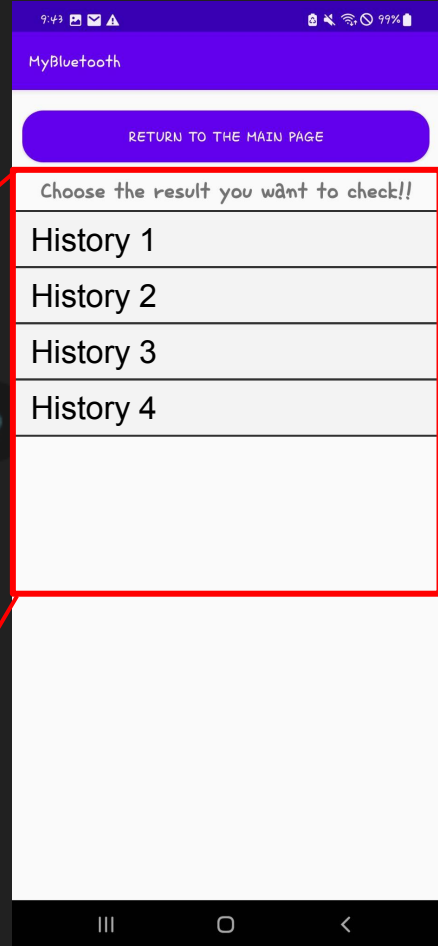
Send the data to the server




# Implementation - History Page

The list of previous test results  
→ Show the graph of the  
selected result

| Choose the result you want to check!! |
|---------------------------------------|
| History 1                             |
| History 2                             |
| History 3                             |
| History 4                             |
|                                       |





See how our app works!  
Thank you for listening!!