

# Anne Medic

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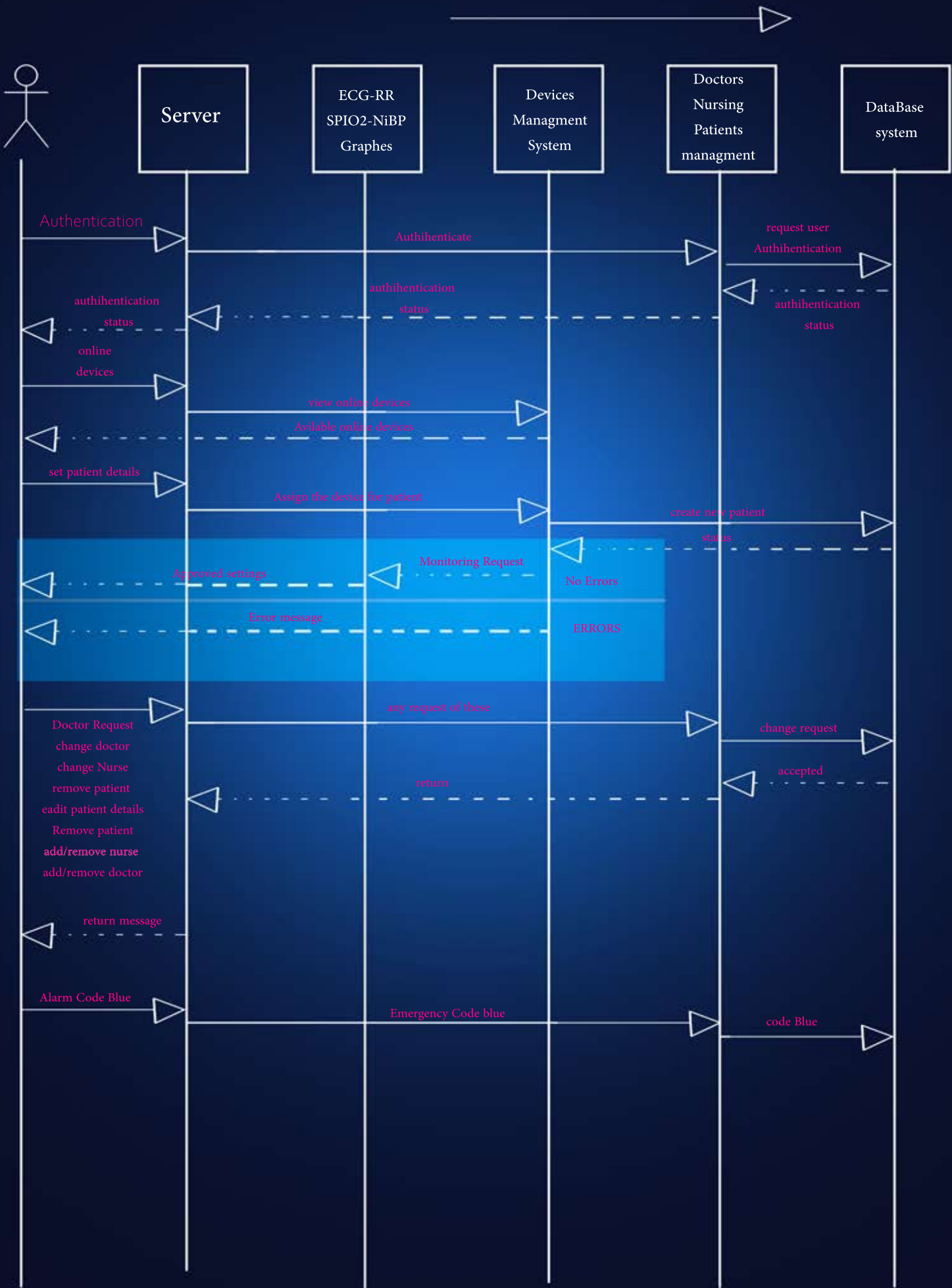
Advanced Remote Medical Monitoring System

Software Design V1

MCU-Server part B

19-oct-2022

# Server Sequence Diagram



# MCU Layer Design

## Application

### SERVICES

Online  
Displayer

Emergency  
Actions

System  
Mode  
Selector

Offline  
Displayer

### ECUCAL

Led

LCD

ECG  
Unit

NIBP  
Unit

SPIO<sub>2</sub>  
Unit

RR  
Unit

Temprature  
Unit

UDP  
Unit

Alarm  
Buzzer

### MCAL

gpio

Timers

UART

I<sub>2</sub>C

ADC (spi)  
MCP3004

### Microcontroller

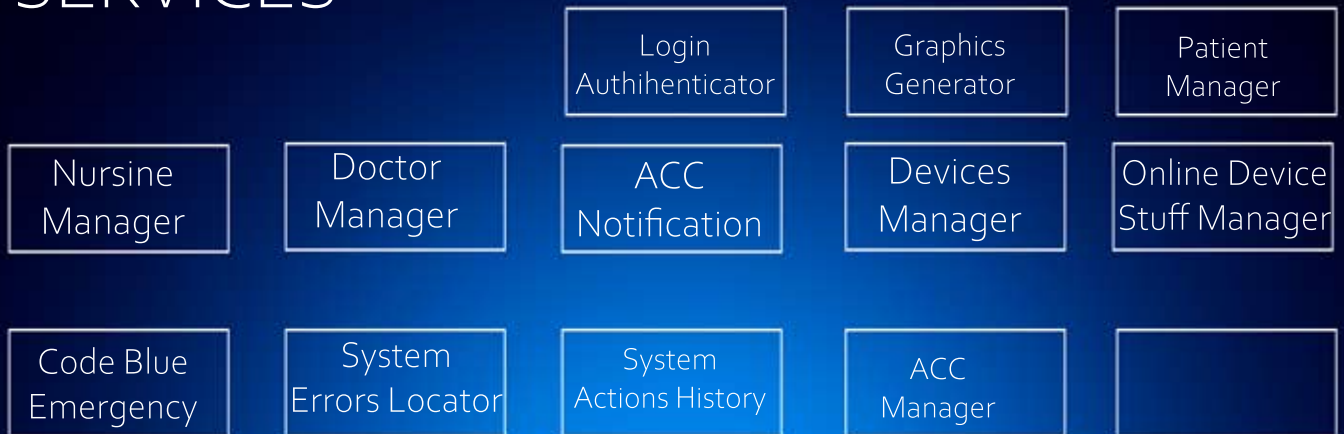
Raspberry pi 3b

soc embedded linux system custom linux distro using yocto project

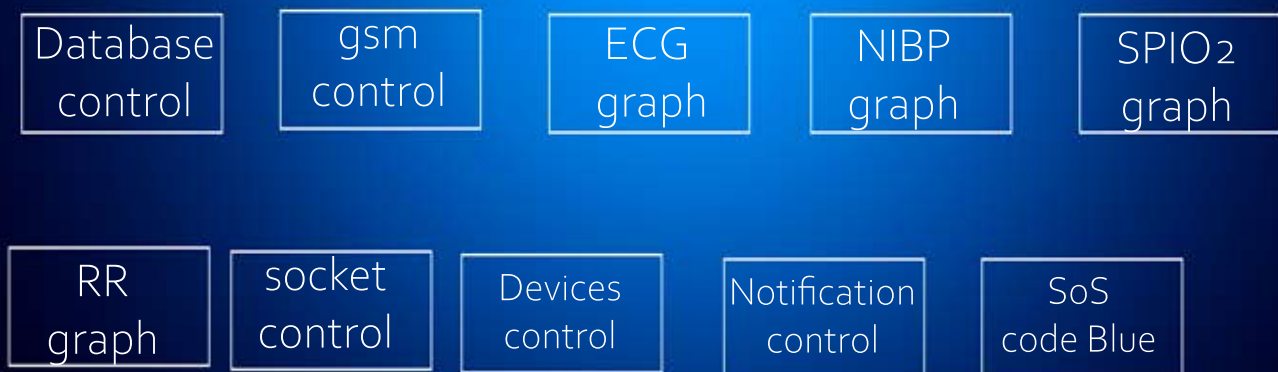
# Server software layers

## Application

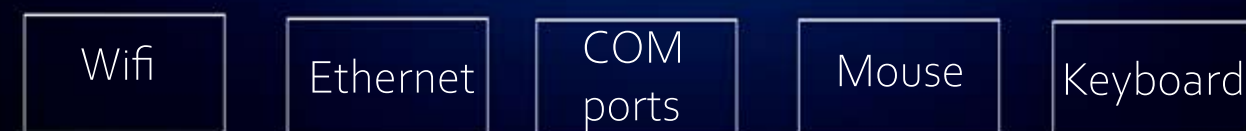
### SERVICES



### ABSTRACT



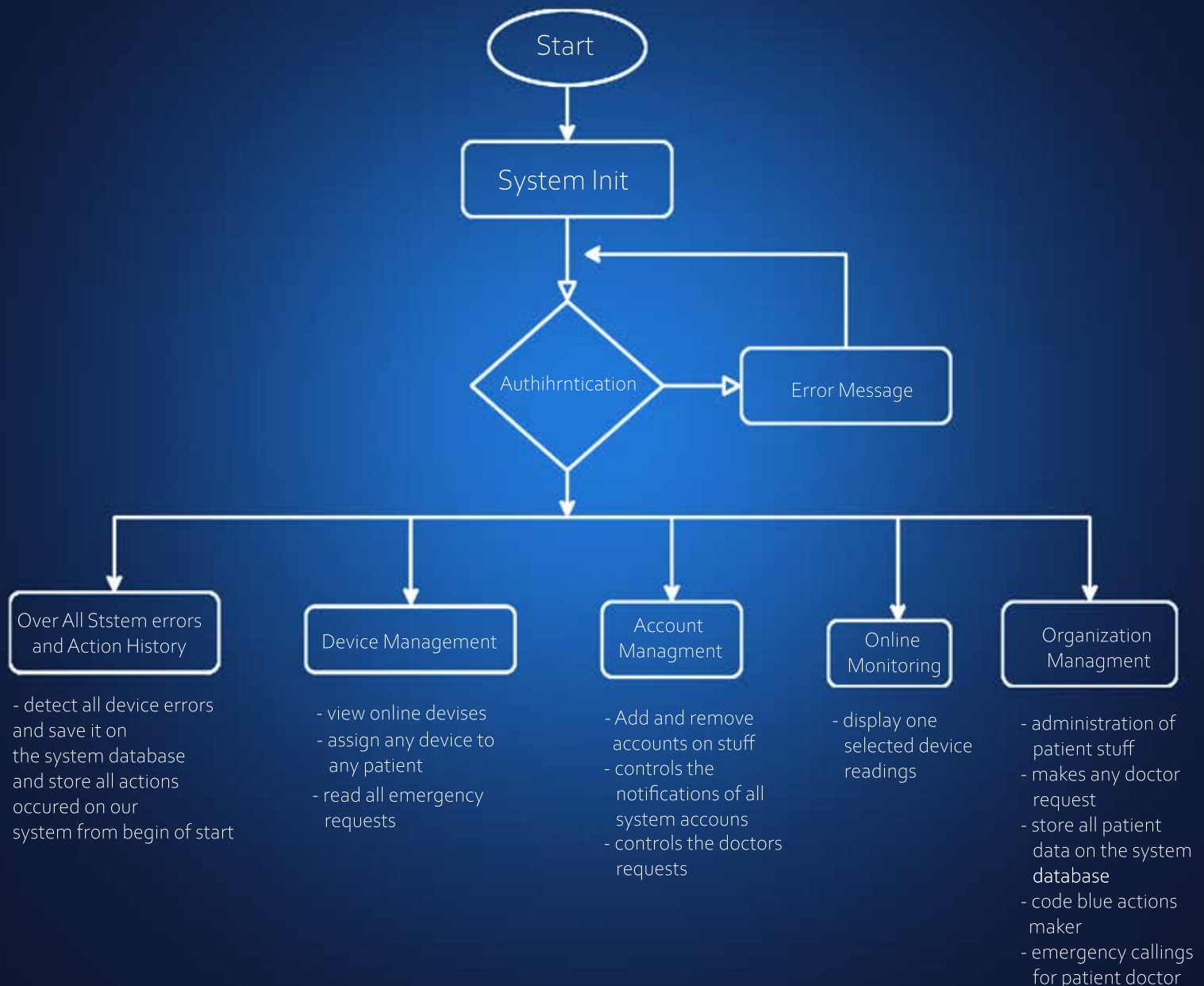
### HAL



### Opereating System

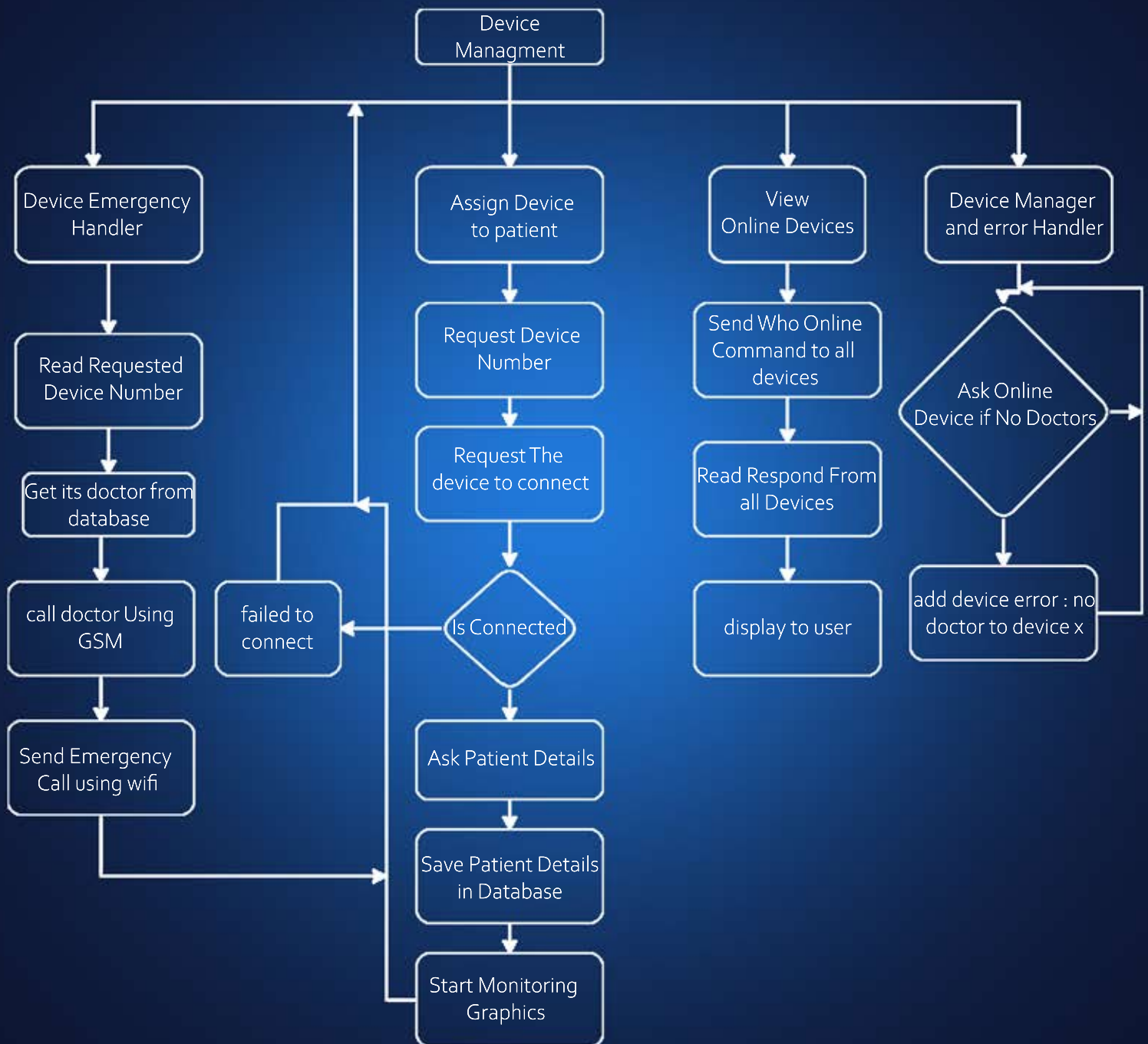
Linux UBUNTU

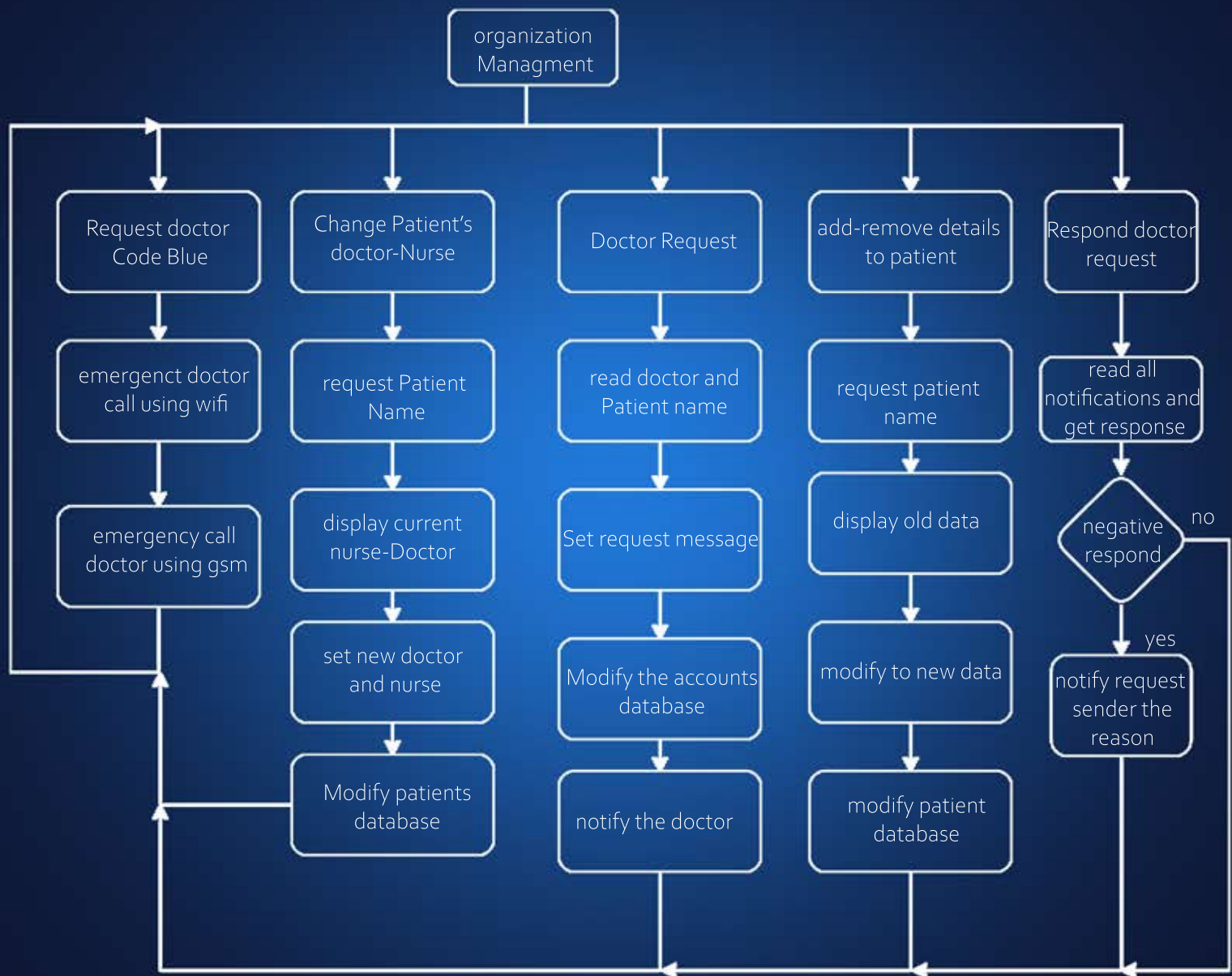
# Server Flowchart













# MCU Flowchart

(Modified)

