

Provider

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- Introduction IndoorAirBox Appendix
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- Schematic Diagram Reference
- AirBox-Hardware
- MariaDB
- System Architecture
- Flow Chart
- User Interface

Model



Motivation

Propose

Introduction

We will build a system which monitors airquality, temperature and humidity to make users find out real-time or history values as motioned above to be their reference of home management.

Motivation



Purpose

Uploading measured values of temperature, humidity and air-quality to back-end database. Displaying real-time, history, average values in front-end WEB. Making Data Visualization(e.g. SVG) to show data in WEB page.

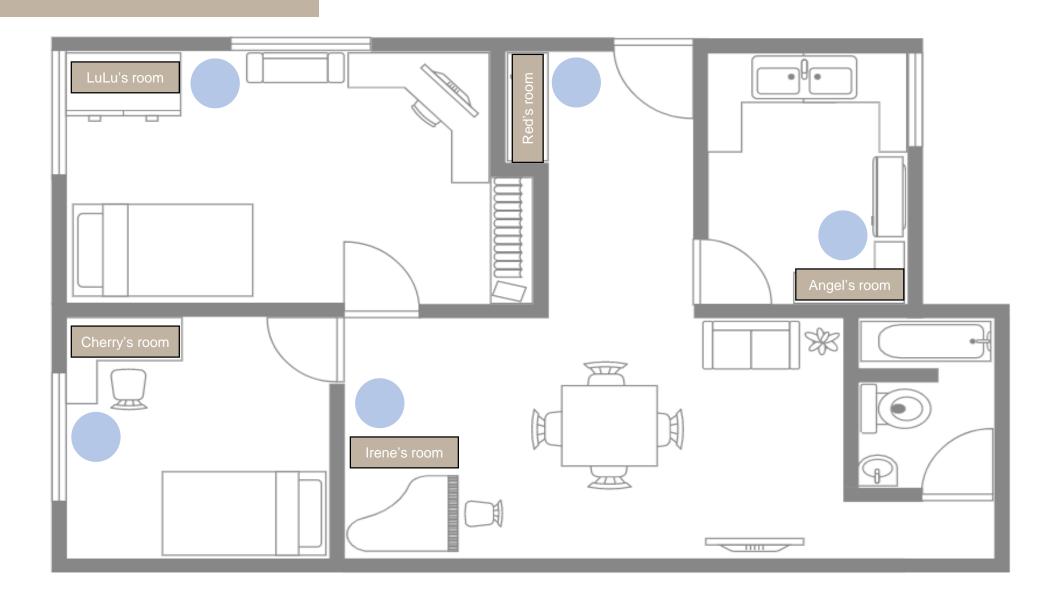


- Style of AirBox
- Schematic Diagram
- AirBox-Hardware
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- System Architecture
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Style of AirBox



Schematic Diagr



AirBox-Hardware



Temp. : 0°C - 50°C

Humidity: 20% - 95%

Range

Air-Quality: 0ppm – 1023ppm

Normal: 100ppm – 150ppm

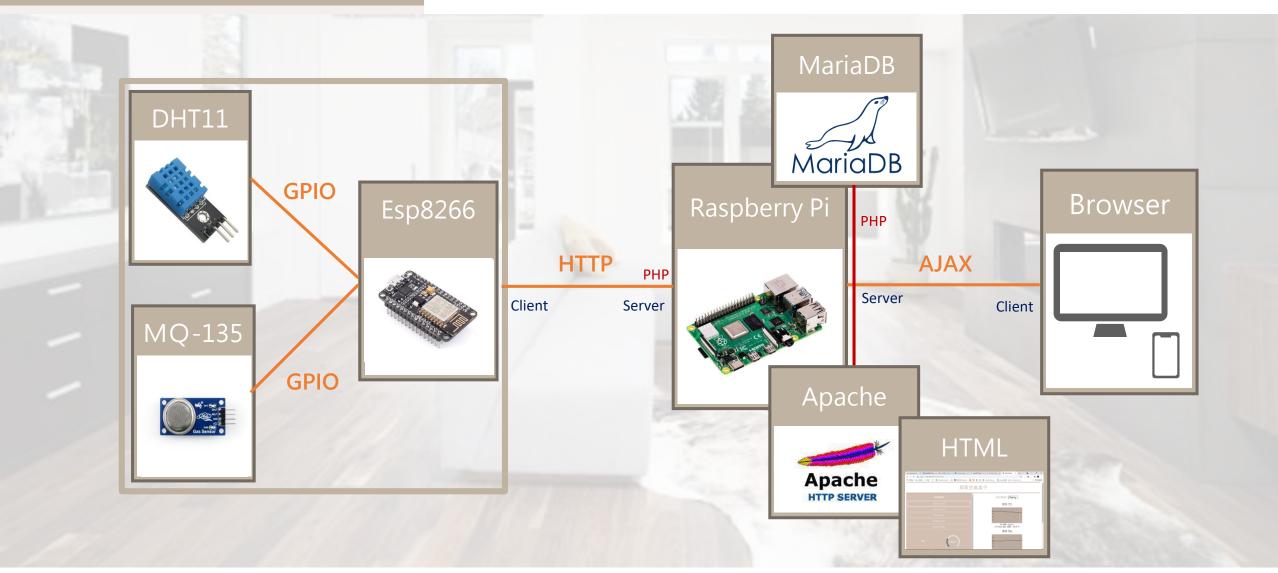
Alcohol: 700ppm

Natural Gas: 750ppm

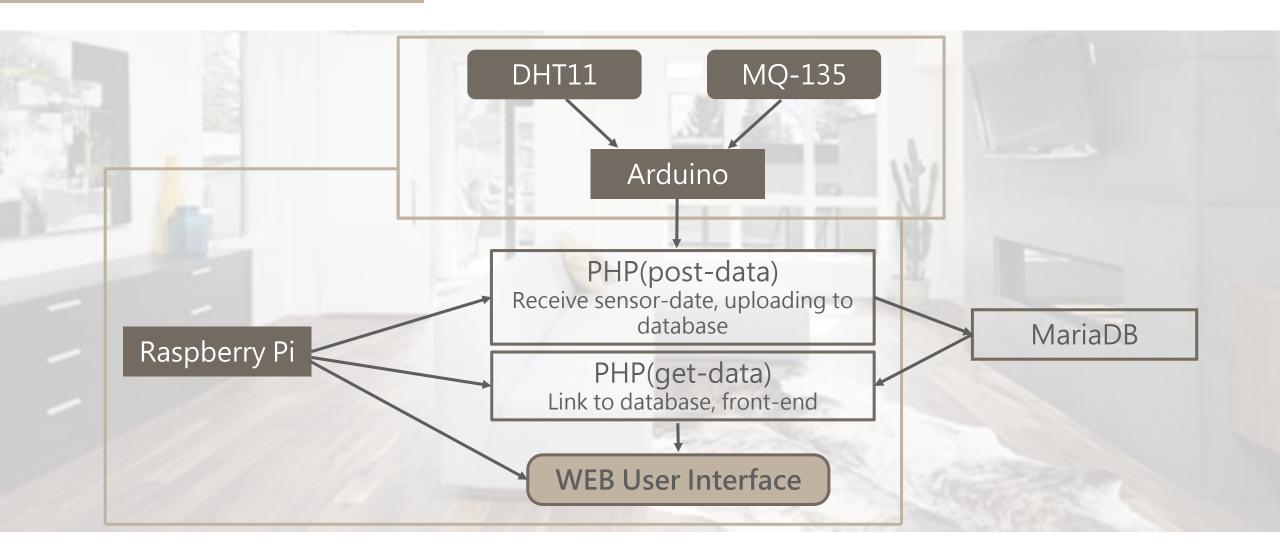




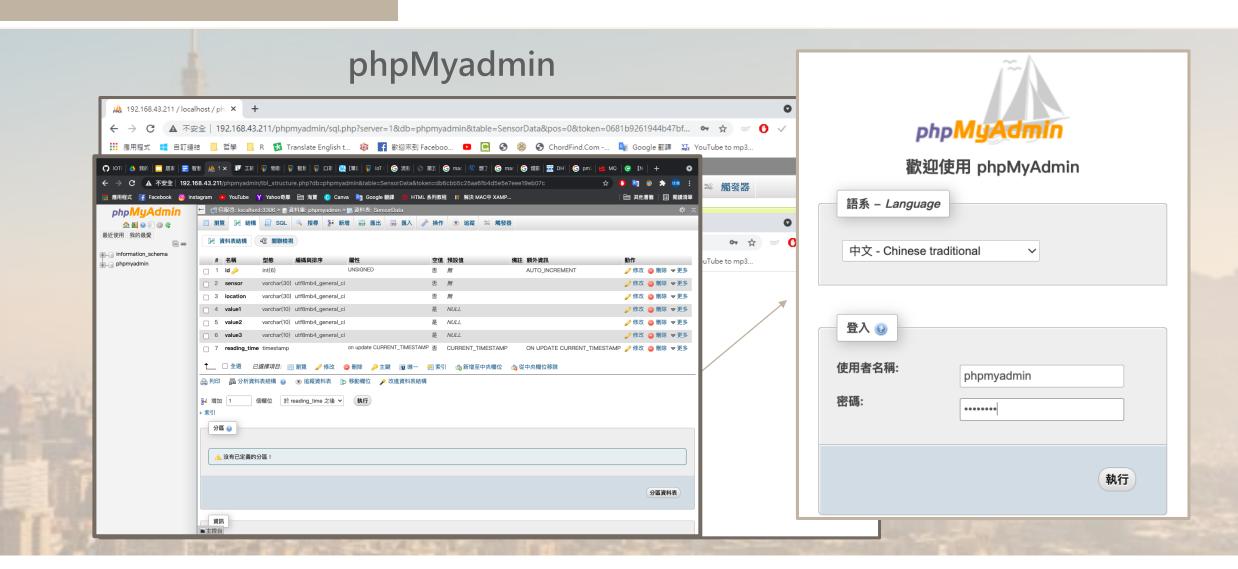
系統架構圖



System Archit

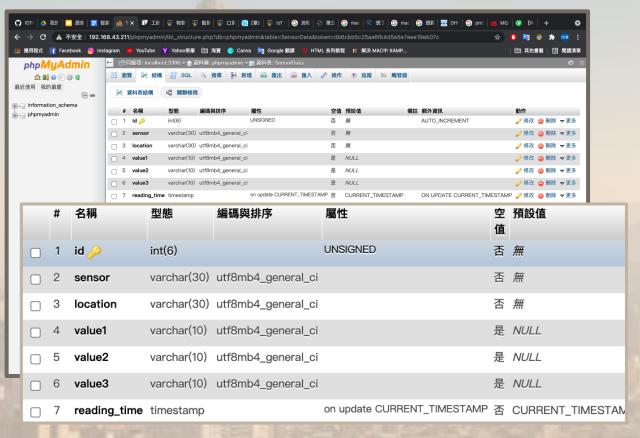


MariaDB

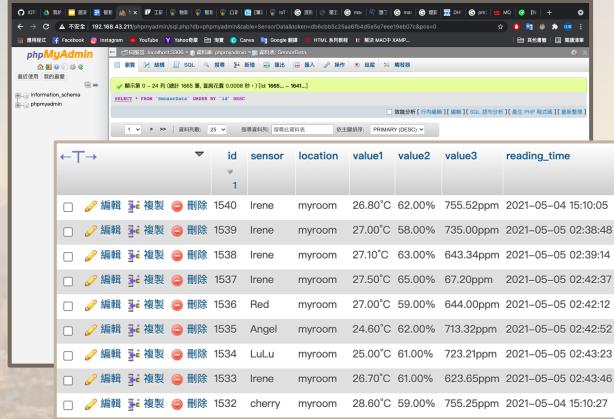


MariaDB

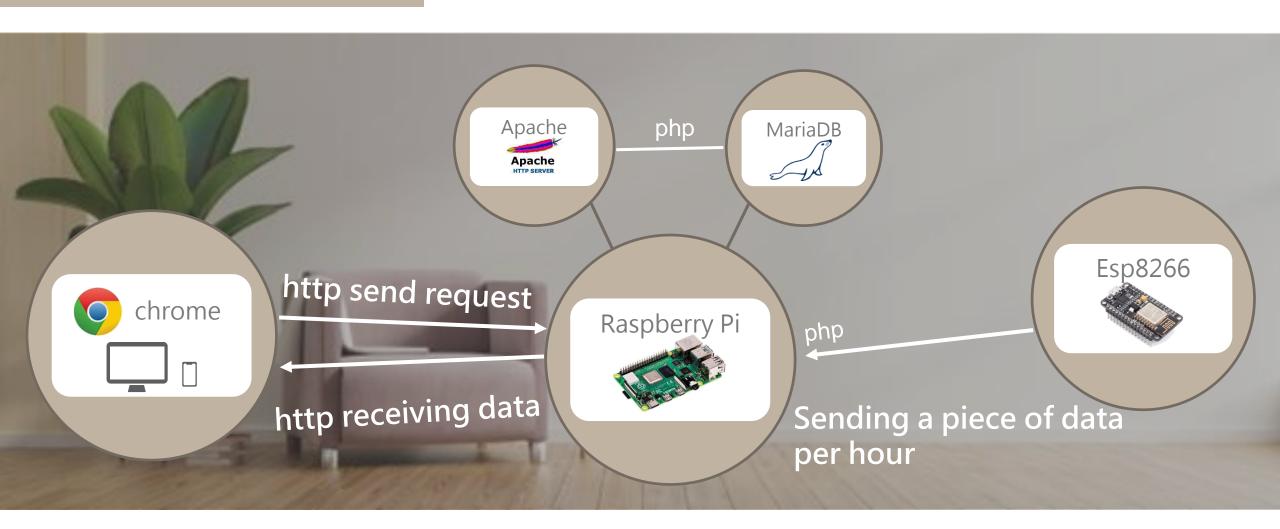
Rows of data-table



Data-table



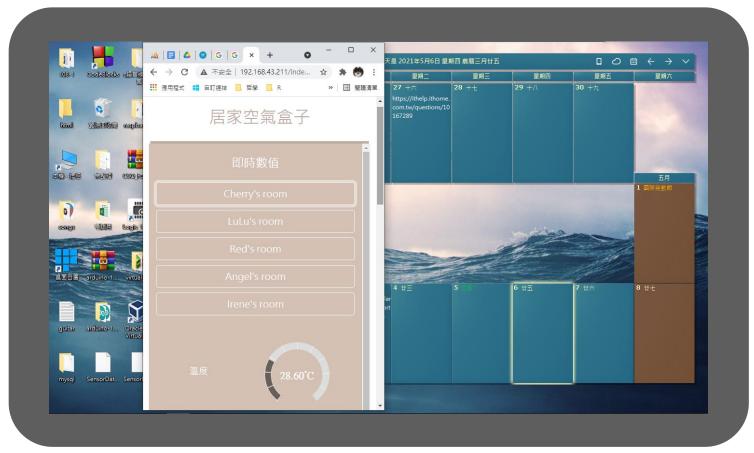
Flow Chart



Responsive Web Design











DataVisualizationSVG Chart

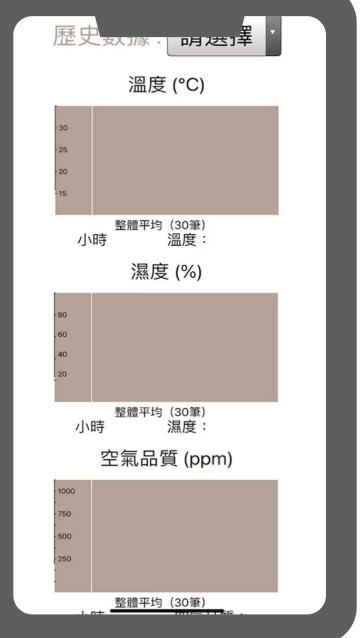




- Real-time
 (SVG)
- Button
 (Outline button)





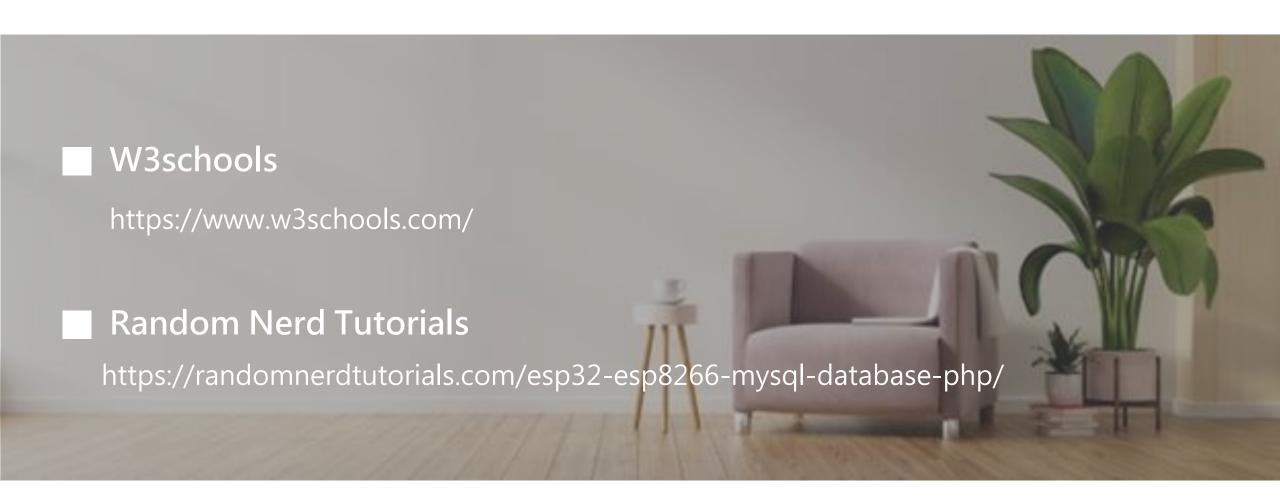




Reference

Model

Reference



Model



