

Final project - Progress

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Overview

OVERVIEW

PART APP

PART STM

TODOS

Current Progress

Basic Goal

測試 BLE 在 App 端的可行性
(開發平台 / Package)

完成 App 端共同部分
(基礎UI / BLE資料收發)

實現其他 App 端功能
(優化UI)

協調 BLE 等共同部分
(UUID / 資料格式)

STM與App整合測試
(Debug)

額外功能實現
(有空再說)

實現基礎 STM 端功能
(LED / 按鈕解鎖 / 加速度)

完成 STM 端共同部分
(BLE資料收發)

實現其他 STM 端功能
(蜂鳴器 / 資料應用)

PART App

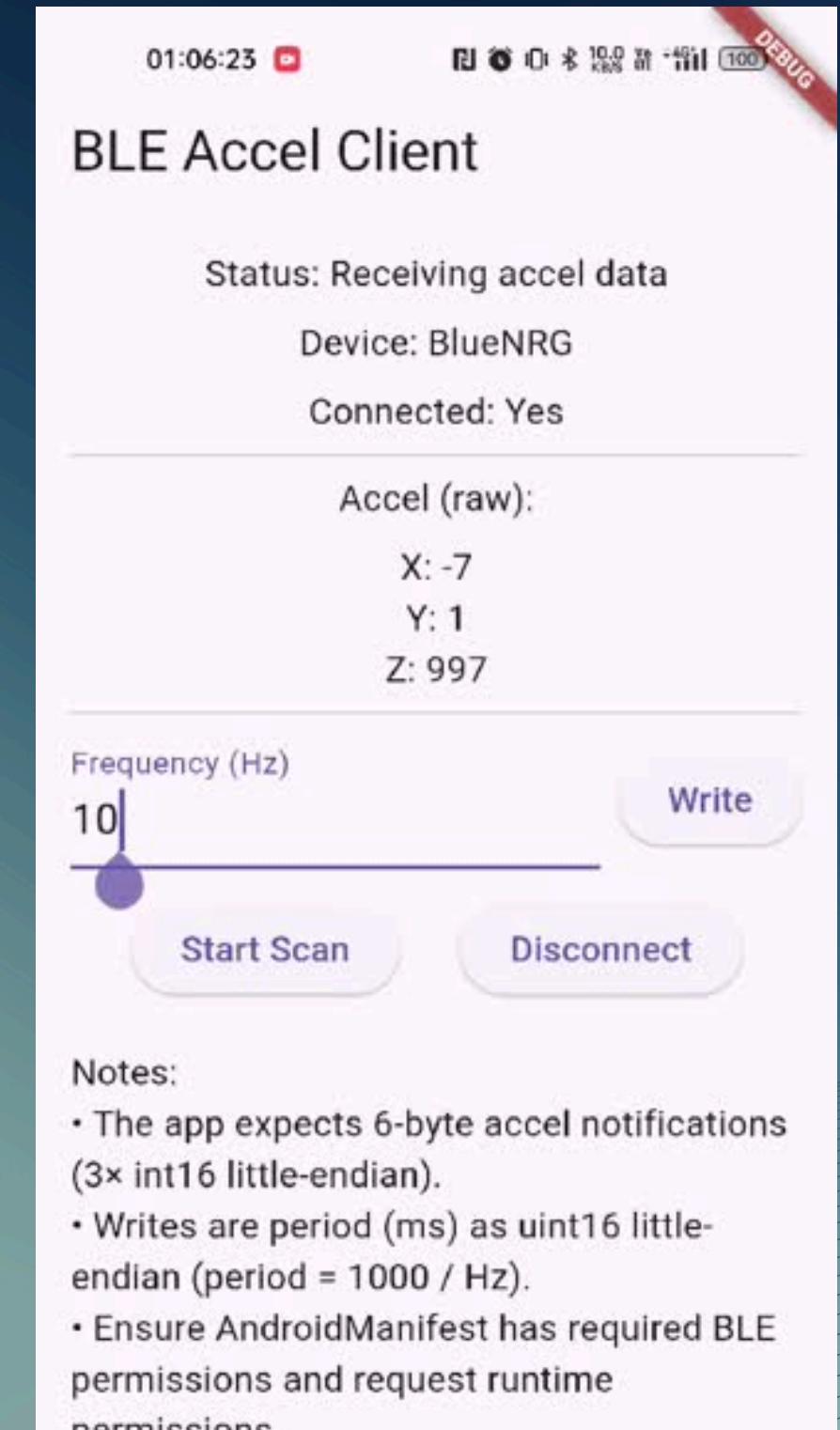
OVERVIEW

PART APP

PART STM

TODOS

- Use HW4 as simple viability test
- Android studio + Flutter + Kotlin
- Use `flutter_reactive_ble` package (`flutter_blue_plus` fail)



PART STM

OVERVIEW

PART APP

PART STM

TODOS

- 特定按鈕行為解鎖、上鎖
- 燈色顯示狀態
- 自動上鎖
- 若上鎖時偵測到significant motion，解鎖時將傳送時間戳記

==== Security Report ===

Event [#1]: 2025-11-25 12:02:41

Event [#2]: 2025-11-25 12:02:41

Event [#3]: 2025-11-25 12:02:43

==== End Report ===

[Auto-Lock] No motion for 30s. System Locked.

==== Security Report ===

No events.

[Auto-Lock] No motion for 30s. System Locked.

Next TODOs

OVERVIEW

PART APP

PART STM

TODOS

協調 BLE 等共同部分
(UUID / 資料格式)

完成 App 端共同部分
(基礎UI / BLE資料收發)

完成 STM 端共同部分
(BLE資料收發)

STM與App整合測試
(BLE / Debug)

THANK YOU