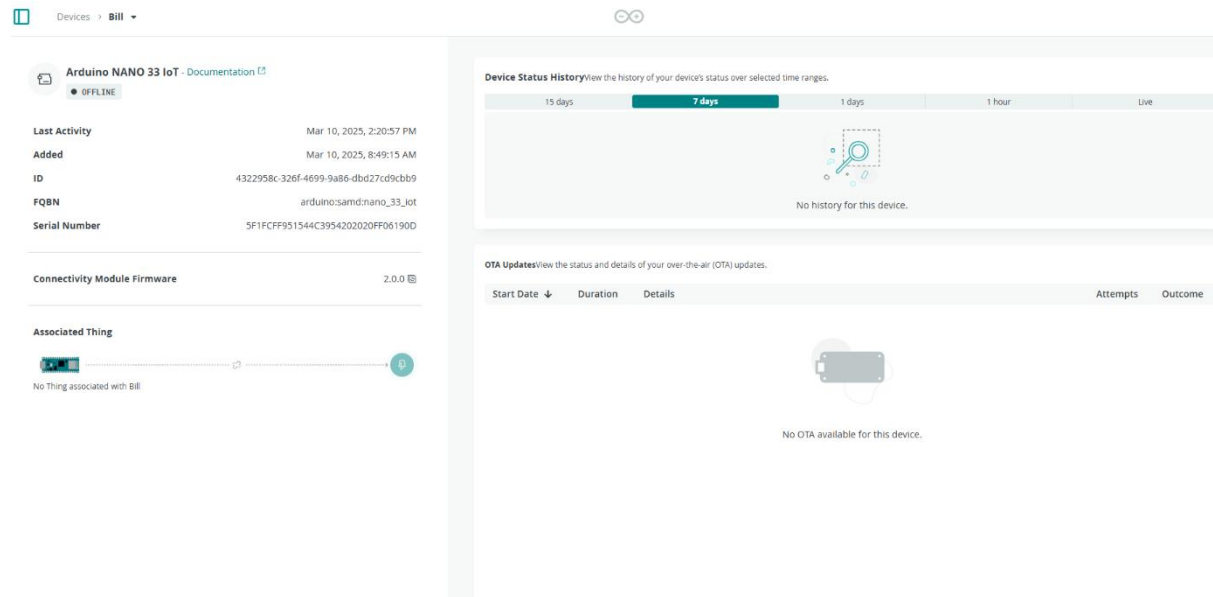


SIT 730 – Embedded Systems Development
 S224884063 – Bill Zica
 Task 1.1P Arduino Nano 33 IoT Device: Creating an Account and Blinking LED

PART 1)



The screenshot displays the Arduino Nano 33 IoT device management interface. On the left, the device is identified as 'Arduino NANO 33 IoT' and is currently 'OFFLINE'. Key details include:

- Last Activity:** Mar 10, 2025, 2:20:57 PM
- Added:** Mar 10, 2025, 8:49:15 AM
- ID:** 4322958c-326f-4699-9a86-dbd27c9cbb9
- FQBN:** arduino:samd:nano_33_iot
- Serial Number:** 5F1FCFF951544C3954202020FF06190D
- Connectivity Module Firmware:** 2.0.0

Under 'Associated Thing', it shows 'No Thing associated with Bill'. The main panel on the right shows the 'Device Status History' for the selected 7-day range, indicating 'No history for this device.' Below this, the 'OTA Updates' section shows 'No OTA available for this device.'

PART 2)

Modular programming could be used to add several functionalities to the code of this assignment. The main ones would be: creating a dictionary with all letters converted to their morse code equivalent so that any letter can be translated; Ask the user to add his own input so that the LED pattern is interactive with the user; input validation to ensure the user can't crash the system.

PART 3)

<https://github.com/guilhermezica/SIT210>

PART 4)

<https://youtube.com/shorts/HZIKUTc16A0>

