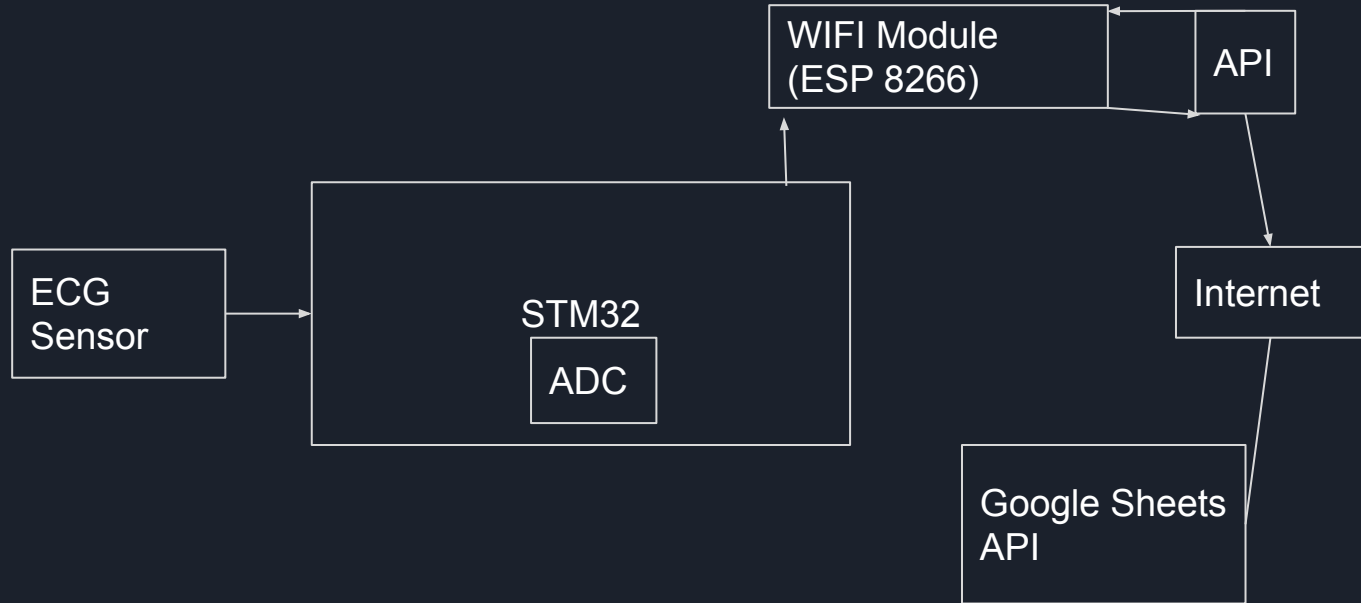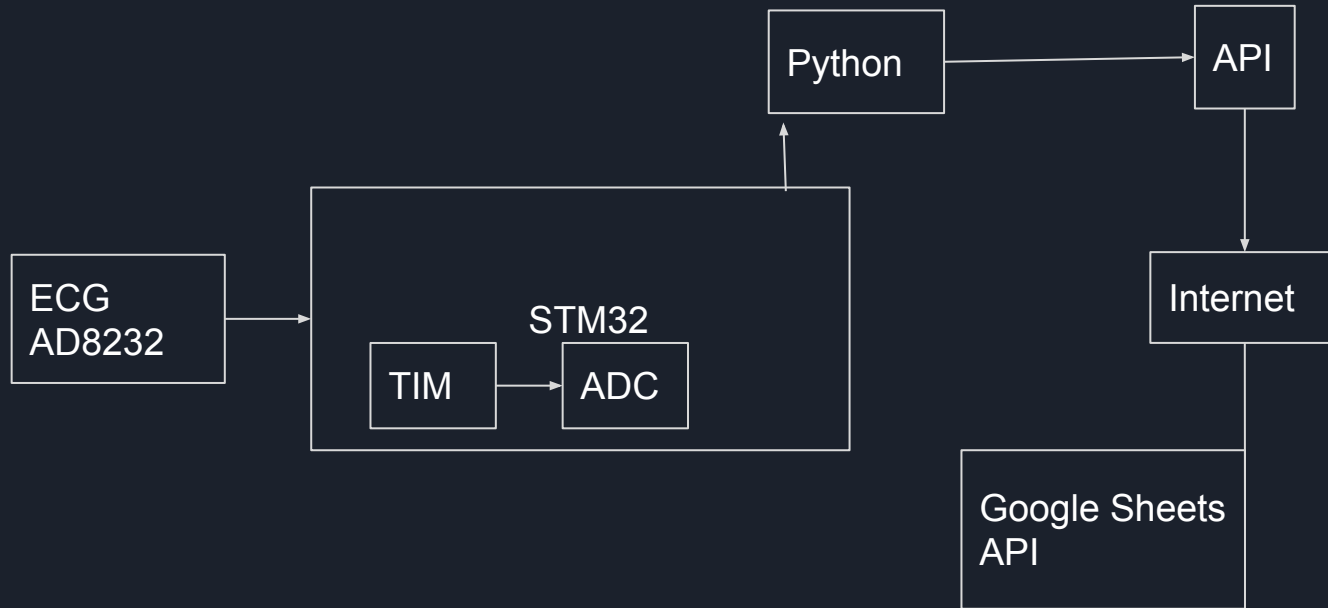# ECG - First Prototype

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Recap - Block Diagram
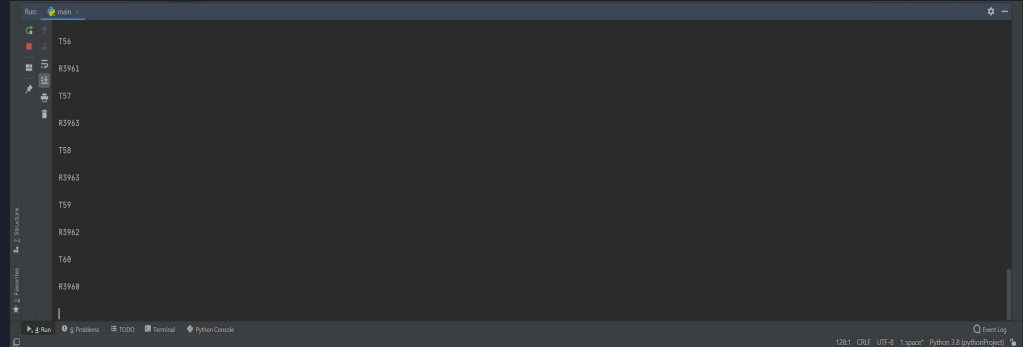
New block diagram

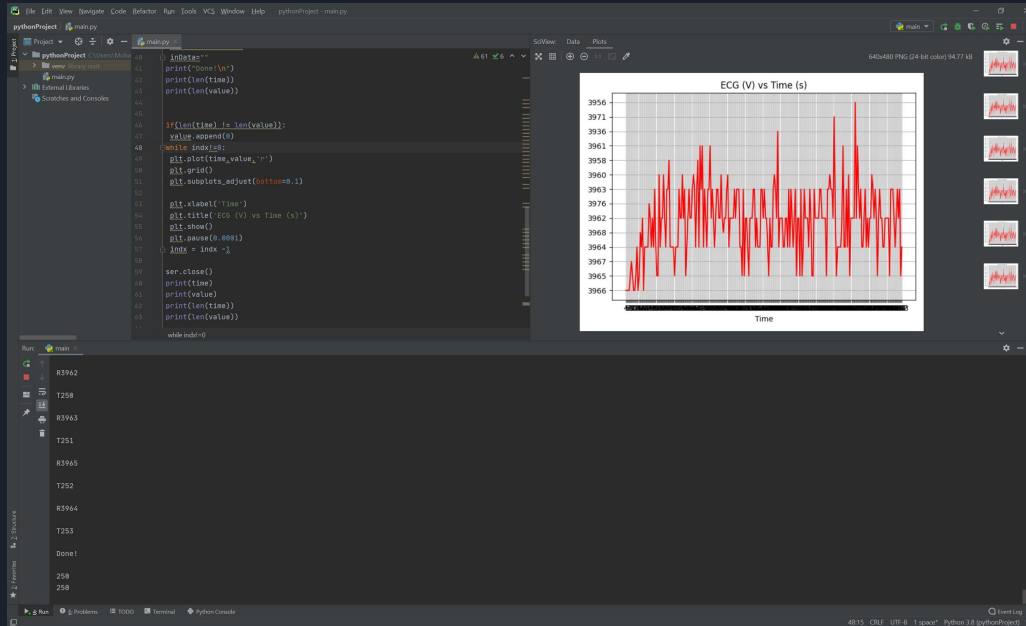ECG AD8232 → STM32 [TIM → ADC] → Python → API → Internet → Google Sheets API
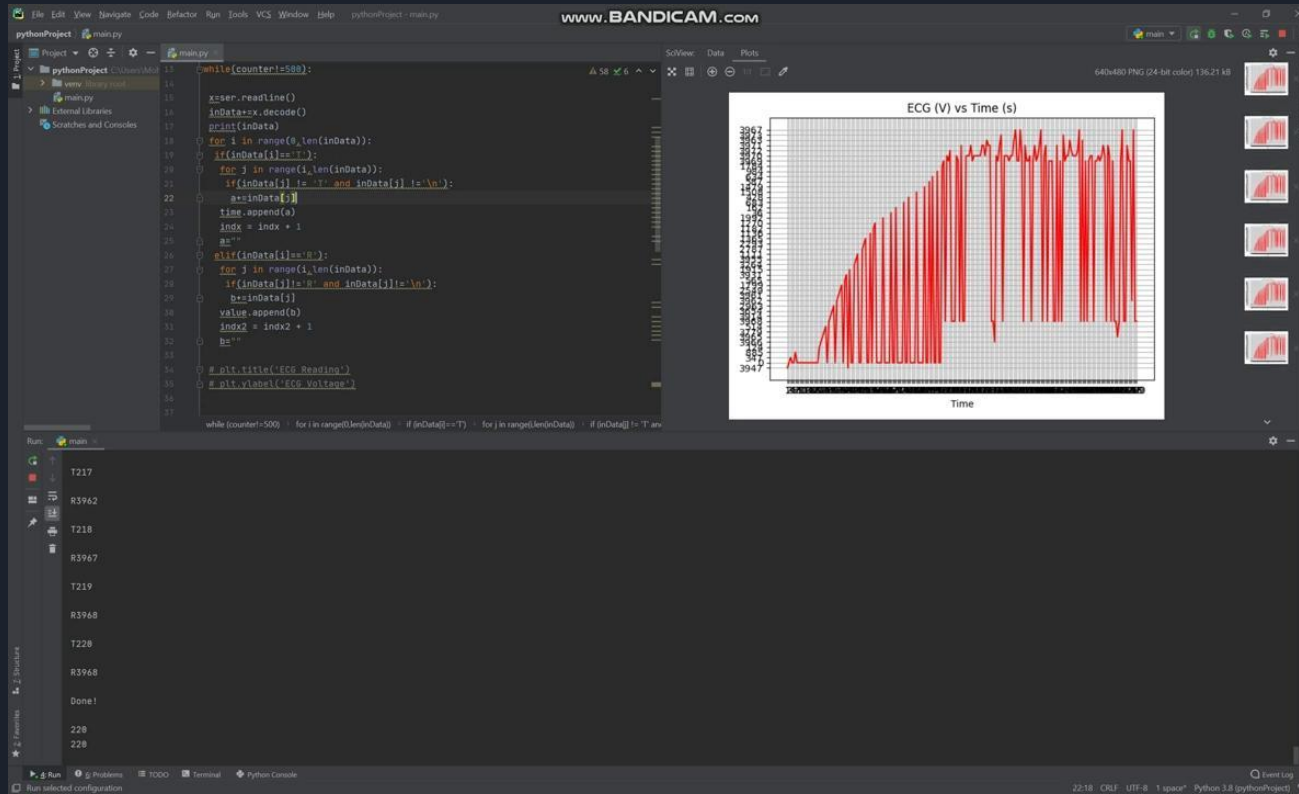
AD8232 Readings

- UART2 was used to transfer the readings to python instead of TeraTerm.
- Parsing was done to extract the values of the ADC signal as well as the time

ADC continuous signal (no sampling)

First Prototype

What's next

- Setting up the timers for sampling of the ADC signal
- Communicate with google sheets API to display data here
- LEDs with different colors will be used to determine what mode is used (example: BPM calculation, Displaying the ECG graph..etc)