

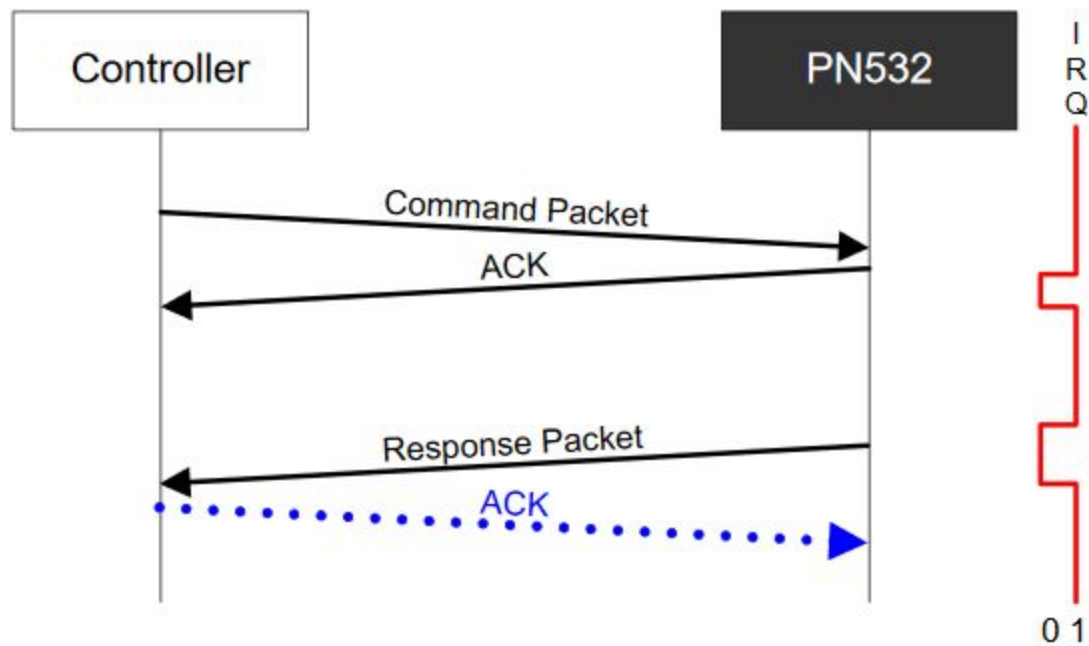
# Weekly Progress

Sam

- SPI
- Part of PN532 Library
  - uint8\_t SwapEndian(uint8\_t data)
  - uint8\_t WriteSPI(uint8\_t \*data, uint8\_t dataSize)
  - void WritePN532(uint8\_t \*buffer, uint8\_t bufferSize)
  - uint8\_t SendCommandWaitACK(uint8\_t command)

Bowen

- Server algorithm handles user and groups
- Defined message prototypes
  - \login cruzId RoomNumber (mcu -> cloud)
  - \logout (cloud -> mcu)
  - \status battery% (mcu -> cloud)
  - \readerror RoomNumber (mcu -> cloud)
  - \error
- Working on Wifi Setup
- Defined in and out of room protocols



# Problems

- TI CC3220S SPI is full duplex (send and transmit simultaneously)
  - Can do *just* MOSI
  - Can't do *just* MISO
- PN532
  - Interrupts when MISO packet is ready
  - Delay between MOSI and MISO packet
- Simplelink Wifi setup
- Linking .c and .h files