

## Registration Device

### System requirements

- 1) Provide admin login method.
- 2) Authenticate and validate login / cards' data with local server.
- 3) Register new user data to the local server.
- 4) Assign ID to a card.
- 5) Display current user data.

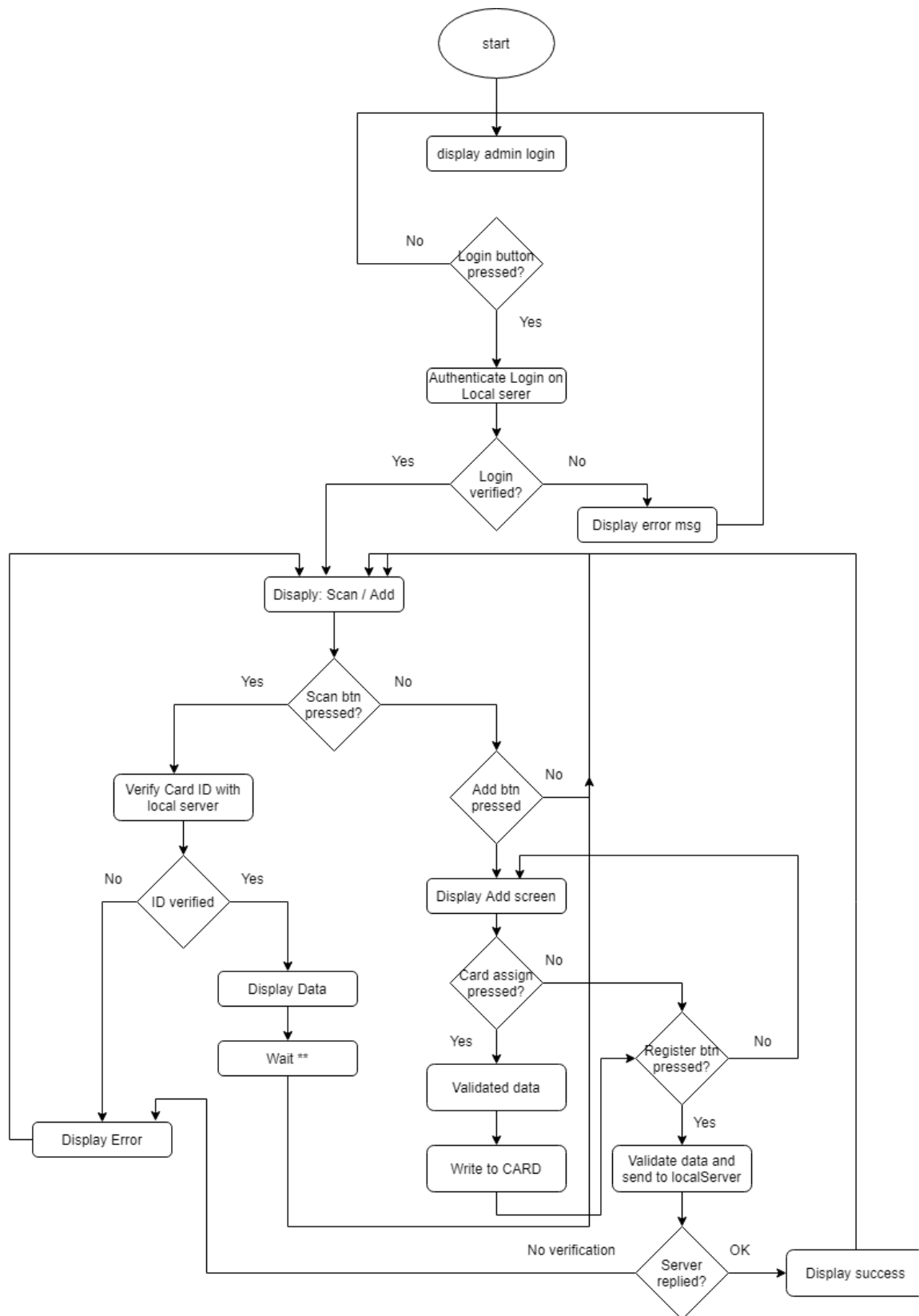
### Physical Layout

STM32F103C8	RFID reader
B13	CLK
B14	MISO
B15	MOSI
B12	SDA
A8	RST

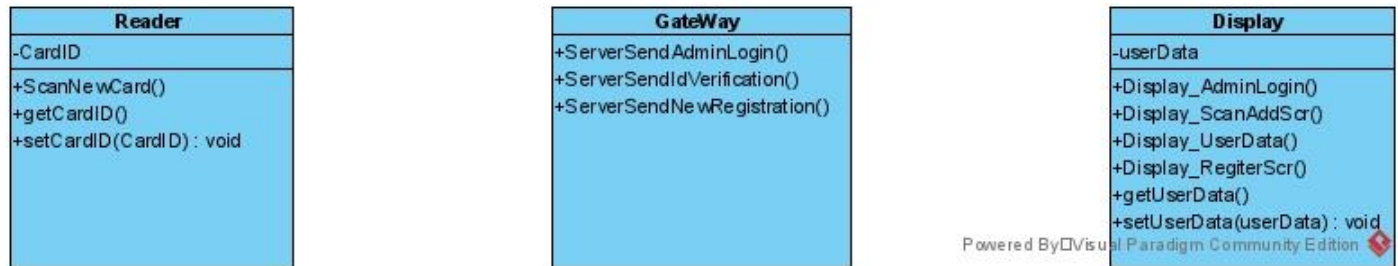
STM32F103C8	ESP8266 (NODE MCU)
A9 (Tx)	D7 (Rx)
A10 (Rx)	D8 (Tx)

STM32F103C8	TFT
A2 (Tx)	(Rx)
A3 (Rx)	(Tx)

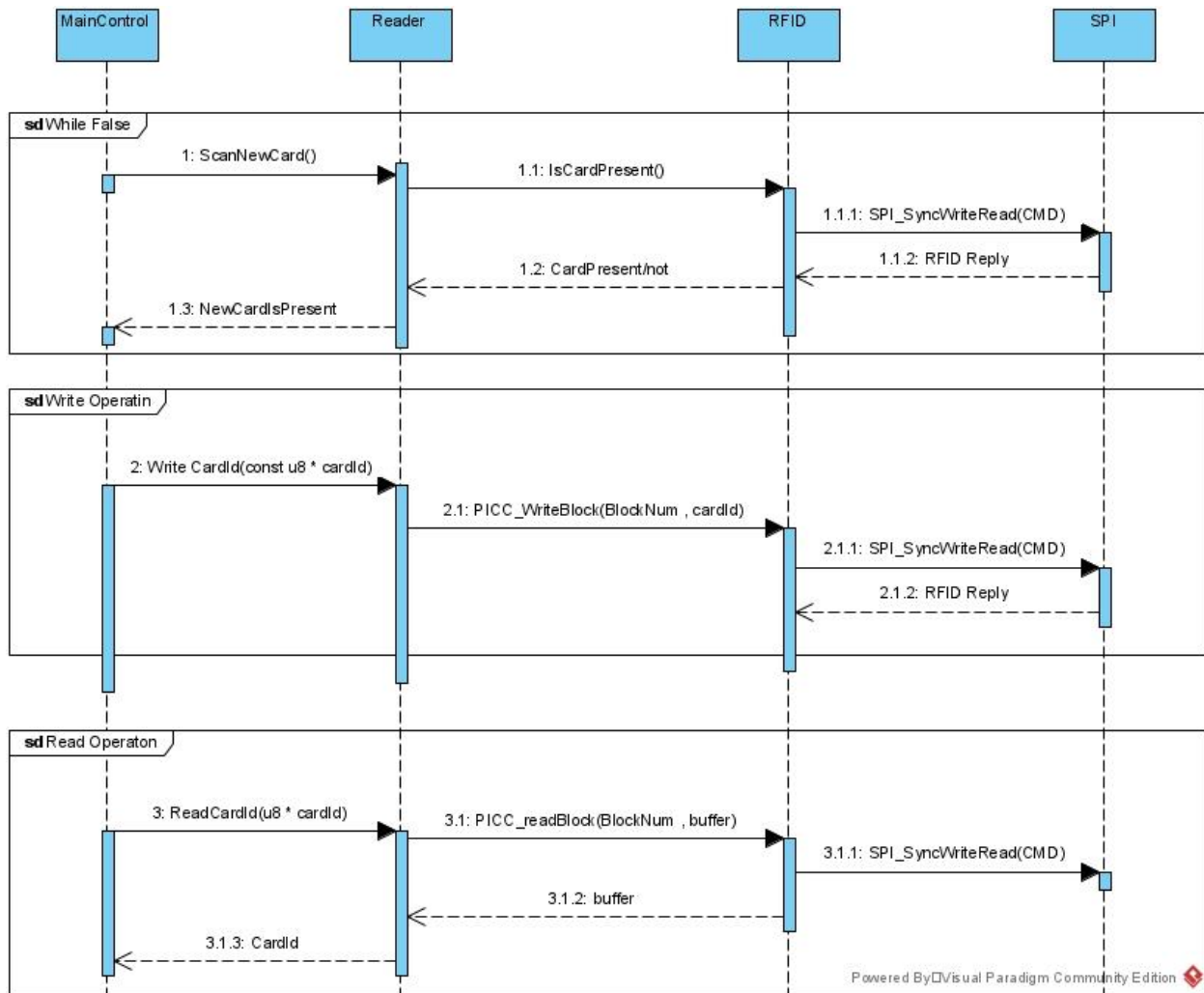
## Flow Chart



## Software components



## Reader Sequence



## Gateway Sequence

