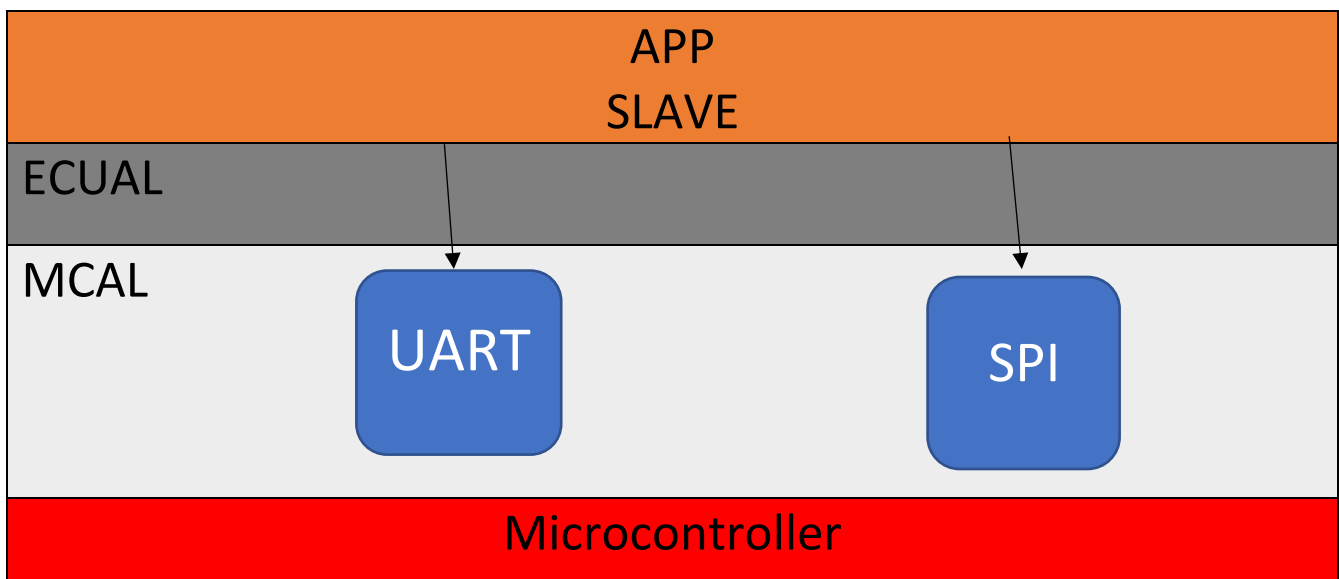
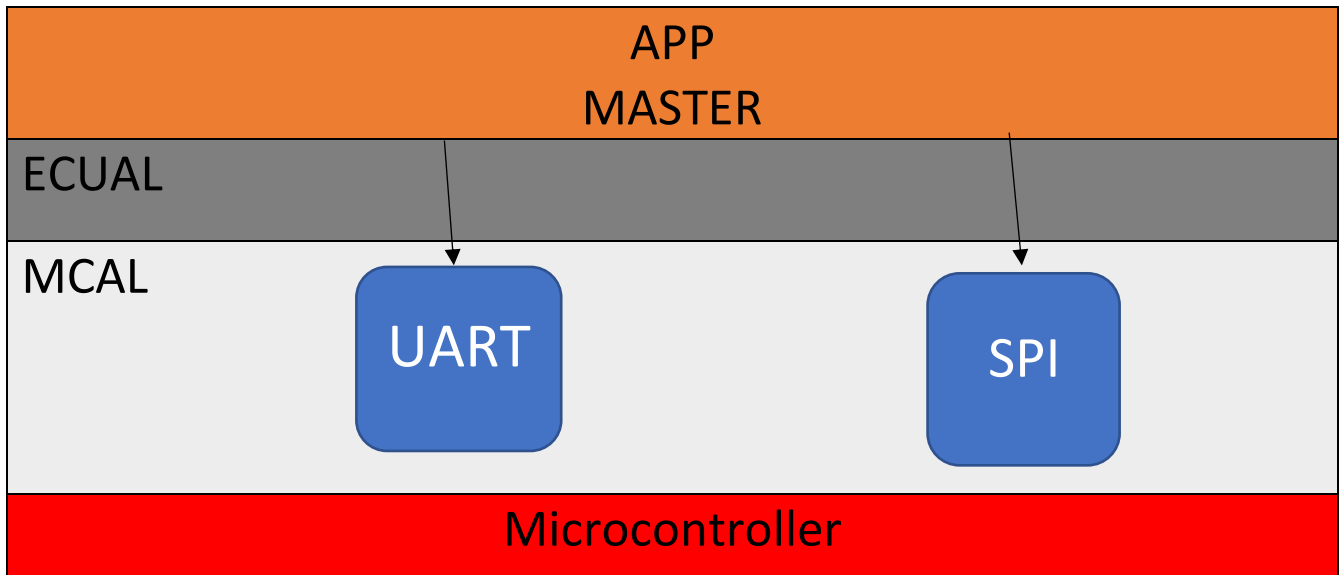


Layers:



APP:

```
void APPInit(void);  
void APPGetString(void);  
void APP_transmit(void);
```

## UART:

```
UART_ERROR_t USART_Init(void);

UART_ERROR_t USART_Transmit(uint16_t u16_data);

UART_ERROR_t USART_Receive (uint16_t *Ptr_to_val);

UART_ERROR_t USART_Transmit_Packet(uint8_t *pu8_data,uint8_t SIZE);

UART_ERROR_t USART_receive_Packet(uint8_t *pu8_data,uint8_t u8_SIZE);

UART_ERROR_t USART_Transmit_INTDriven(uint8_t *pu8_data,void (*ptr)(void));

UART_ERROR_t USART_Receive_INTDriven(uint8_t *pu8_data,void (*ptr)(void));
```

## SPI:

```
void MCAL_SpiInit(void);

void MCAL_SPIMasterTXRX(uint8_t *u8_DataSend, uint8_t *u8_DataReceive);

void MCAL_SPISlaveTXRX(uint8_t *u8_DataSend, uint8_t *u8_DataReceive);

void MCAL_SPIMasterTrans_String(uint8_t *u8_StringSend);

void MCAL_SPIMasterReceive_String(uint8_t *u8_StringReceive);

void MCAL_SPISlaveTrans_String(uint8_t *u8_StringSend);

void MCAL_SPISlaveReceive_String(uint8_t *u8_StringReceive);
```

## Flow chart:

