

# RTE

Taser\_SetEvent\_Pressed()

Motor\_Read\_Rotation()  
Motor\_Write\_Speed()

Ultrascall\_Read\_Distance()

Joystick\_Read\_Percent()  
Joystick\_SetEvent\_Pressed()  
Joystick\_SetEvent\_Released()

LED\_Write()  
LED\_Read()

Com\_SetEvent\_Recieved()  
Com\_Read()  
Com\_Write()

Display\_Write()

## Service Layer

Taster  
Handler

Motor  
Handler

Ultrascall  
Handler

Joystick Handler

LED Handler

Communication Manager

Display  
Handler

ADC\_Read()

I<sup>2</sup>C\_Read()  
I<sup>2</sup>C\_Write()

ADC Hardware  
Abstraction

ADC Interface

Int ADC

Ext ADC

I<sup>2</sup>C Hardware  
Abstraction

I<sup>2</sup>C Handler

## Microcontroller Abstraction Layer