Software Design

**Esp**

**HAL\_CRYP\_Encrypt\_DMA()**

**Crypto (HAL)**

**OpenMV\_SPI\_MainFunction()**

**OpenMV\_UART\_MainFunction()**

**MotDrv**

* MotDrv\_GoFront()
* MotDrv\_GoBack()
* MotDrv\_TurnRight()
* MotDrv\_TurnLeft()
* MotDrv\_Stay()

**MotDrv\_TakeDecision()**

**Openmv**

* OpenMV\_SPI\_ReadWrite()
* OpenMV\_UART\_ReceivePhoto()

**Main**

* Inits all modules (SPI, UART, Crypto, PWM…)
* Calls API`s for modules