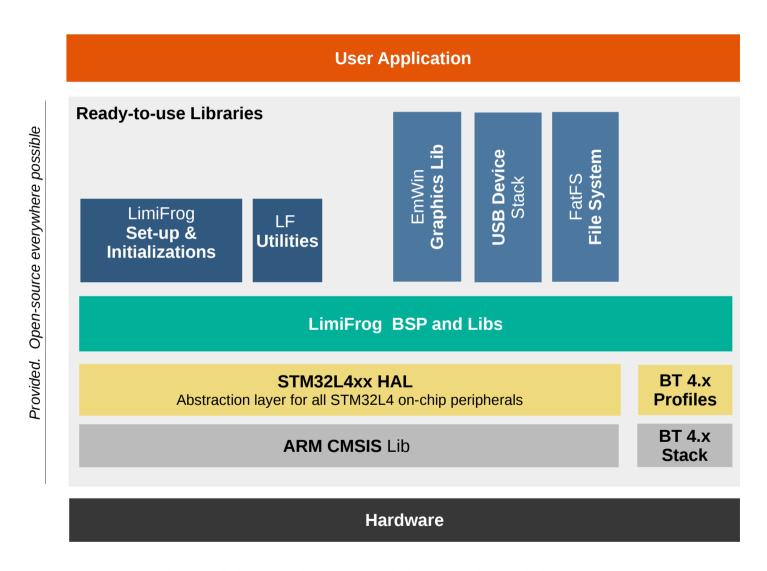
#### **Software Libraries**



<u>Note</u>: Various options available as real-time/embedded OS kernel if needed, although not provided as part of imiFrog software package at this time.

#### Software Structure

-- Idocumentation

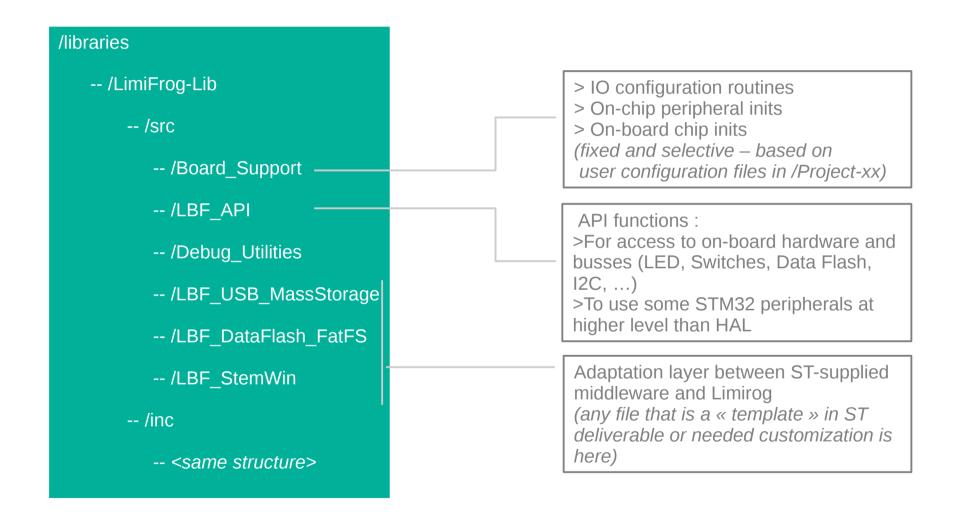
```
/<xxxx>
     -- /libraries
           -- /LimiFrog-Lib
              # Board init and controls - LimiFrog specific
              # Adaptation Layers for Middlewares (USBD, FatFS, emWin)
           -- /CMSIS L4xx
           --/STM32L4xx HAL Driver
           -- /STM32L4 USB-Device Library
           -- /FatFS Lib
           --/StemWin Lib
          -/Sensors APIs
     -- /projects
           -- /Project-A
                -- /inc
                -- /src
                -- Makefile
                -- /obj
           -- /Project-B
           -- /Project-X
           -- /STARTUP
                -- startup stm32l476xx.s
                -- STM32L476RE FLASH.ld
                - sysmem.c
                - system stm32l4xx.c
```

LimiFrog libraries

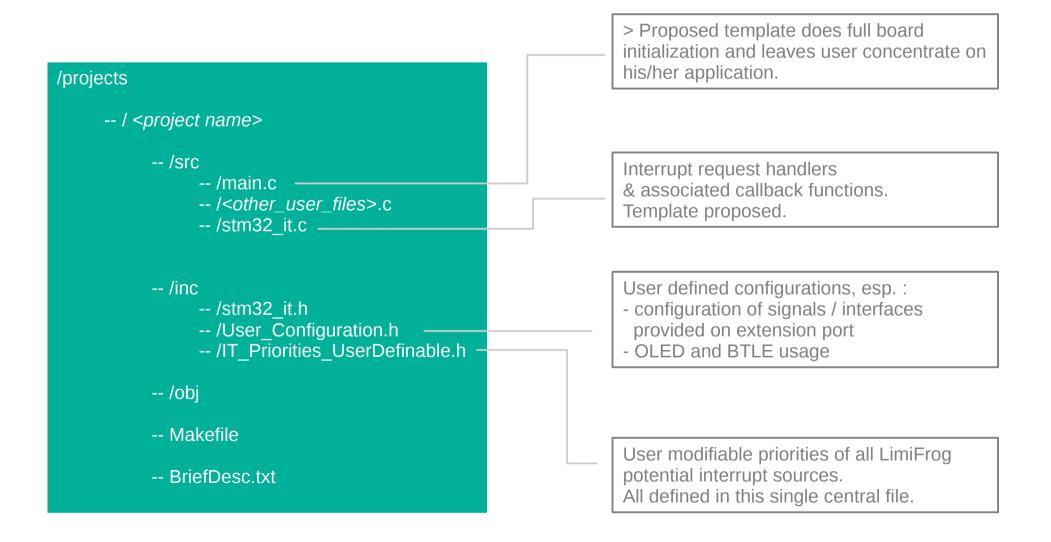
ST- and 3rd-party supplied libraries

Typically, user would customize these files

# Software: LimiFrog-Lib Contents



# Software: User Project Contents



### Software: Include Model

```
SUPERSEDED – UPDATE IN PROGRESS

__core_cm4.h
__stm32l4xx.h
__n>
__32l4xx_hal_ppp.h
___32l4xx_hal_def.h
```

LBF\_XXX\_lowlev\_API.h