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; PlatformIO Project Configuration File
;
; Build options: build flags, source filter
; Upload options: custom upload port, speed and extra flags
; Library options: dependencies, extra library storages
; Advanced options: extra scripting
;
; Please visit documentation for the other options and examples
; http://docs.platformio.org/page/projectconf.html

[platformio]
#sonoff OTA no longer supported, classic interface no longer supported
default_envs = esp32 ; tft
#default_envs = esp32-dev
#default_envs = sonoff
#default_envs = newui

[common_env_data]
lib_deps_external =
    ArduinoJson@6.10.0
    ESP8266_SSD1306

lib_deps_external_esp8266 = ${common_env_data.lib_deps_external}
    OneWire

esp8266_framework = espressif8266@2.6.2
esp8266_lib = ./lib-esp8266

esp32_framework = espressif32@~2.0.0
esp32_lib = ./lib-esp32

[env:esp32-dev]
platform = ${common_env_data.esp32_framework}
board = esp32dev
framework = arduino
board_build.mcu = esp32
lib_extra_dirs = ${common_env_data.esp32_lib}

board_build.partitions = ./partition.csv

build_flags =
    -DDebugSharedDisplay=true
    -DSerialDebug=true
    -DEnableHumidityControlSupport=true

monitor_speed = 115200
upload_speed = 115200

lib_deps = ${common_env_data.lib_deps_external}

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#upload_port = /dev/cu.SLAB_USBtoUART
#monitor_port = /dev/cu.SLAB_USBtoUART
upload_port = /dev/cu.usbserial-0001
monitor_port = /dev/cu.usbserial-0001

monitor_filters = esp32_exception_decoder

debug_tool = esp-prog
debug_port = /dev/cu.usbserial-00001014A

[env:esp32]
platform = ${common_env_data.esp32_framework}
board = esp32dev
framework = arduino
board_build.mcu = esp32
lib_extra_dirs = ${common_env_data.esp32_lib}

board_build.partitions = ./partition.csv

build_flags =
    -DEnableHumidityControlSupport=true
    -DOLED_LCD=true ; tft

    -I"d:/003a_Brewery_Upgrade/001_Production_versions/220108 4.2
pre/BPL4.2pre_TFT/220108_4.2_TFT/include" ; include directory for tft

    -DUSER_SETUP_LOADED=1
        -DILI9341_DRIVER
        -DTFT_WIDTH=240
        -DTFT_HEIGHT=320

        -DTFT_RST=4            ; pins for ESP32 no conflicts with config.h as set if
more pins to false
        -DTFT_CS=15            ; OK
        -DTFT_DC=2            ; ok
        -DTFT_MOSI=13          ; ok
        -DTFT_SCLK=14          ; ok
        -DLOAD_GLCD=1
        -DLOAD_FONT2=1
        -DLOAD_FONT4=1
        -DLOAD_FONT6=1
        -DLOAD_FONT7=1
        -DLOAD_FONT8=1
        -DLOAD_FONT8N=1
        -DLOAD_GFXFF=1
        -DSMOOTH_FONT=1
        -DSPI_FREQUENCY=27000000

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monitor_speed = 115200
lib_deps = ${common_env_data.lib_deps_external}
           bodmer/TFT_eSPI@^2.3.87

[env:esp32-oled]
platform = ${common_env_data.esp32_framework}
board = esp32dev
framework = arduino
board_build.mcu = esp32
lib_extra_dirs = ${common_env_data.esp32_lib}

board_build.partitions = ./partition.csv

build_flags =
    -DOLED_LCD=true

monitor_speed = 115200
lib_deps = ${common_env_data.lib_deps_external}

[env:esp8266-dev]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld
               -DSerialDebug=true
               -DDebugSharedDisplay=true
               -DFilterPressureReading=true
               -DOLED_LCD=true

board_build.ldscript = eagle.flash.4m2m.ld
monitor_filters= esp8266_exception_decoder

monitor_speed = 115200
upload_speed = 115200

lib_deps = ${common_env_data.lib_deps_external_esp8266}

upload_port = /dev/cu.usbserial-1410
monitor_port = /dev/cu.usbserial-1410
;upload_port = /dev/cu.usbserial-0001

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;monitor_port = /dev/cu.usbserial-0001

[env:d1pro]
platform = ${common_env_data.esp8266_framework}
board = d1_mini_pro
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.16m14m.ld

board_build.ldscript = eagle.flash.16m14m.ld

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui]
;not yet working
platform = ${common_env_data.esp8266_framework}
board = d1_mini
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-spanish]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld
              -DWebPageLanguage=spanish

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-portuguese-br]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld
              -DWebPageLanguage=portuguese-br

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-slovak]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}

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build_flags = -Wl,-Tesp8266.flash.4m2m.ld
               -DWebPageLanguage=slovak

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-tw]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld
               -DWebPageLanguage=chinese

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-it]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld
               -DWebPageLanguage=italian

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-norwegian]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld
               -DWebPageLanguage=norwegian

lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:newui-oled]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.4m2m.ld -DOLED_LCD=true
lib_deps = ${common_env_data.lib_deps_external_esp8266}

[env:thorax]
platform = ${common_env_data.esp8266_framework}
board = nodemcu2
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}

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build_flags = -Wl,-Tesp8266.flash.4m2m.ld -DBOARD=Thorrak_PCB
lib_deps = ${common_env_data.lib_deps_external_esp8266}
```

```
[env:sonoff]
platform = ${common_env_data.esp8266_framework}
board = esp01_1m
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.1m64.ld -DBOARD=Sonoff
               -DBREWPI_LCD=false -DBREWPI_MENU=false -DBREWPI_BUTTONS=false
               -DDEVELOPMENT_OTA=false -DAUTO_CAP=false -DSupportPressureTransducer=false
               -DEnableParasiteTempControl=false
               -DTWOFACED_LCD=false
               -DEnableBME280Support=false
lib_deps = ${common_env_data.lib_deps_external_esp8266}
```

```
#[env:sonoffota]
#platform = espressif8266@~2.2.0
#board = esp01_1m
#framework = arduino
#lib_extra_dirs = ${common_env_data.esp8266_lib}
#build_flags = -Wl,-Tesp8266.flash.1m64.ld -DBOARD=Sonoff -DNO_SPIFFS
               -DUseClassicFrontEnd=true
#lib_deps = ${common_env_data.lib_deps_external_esp8266}
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```
[env:sonoff-esp8285]
board_build.flash_mode = dout
platform = ${common_env_data.esp8266_framework}
board = esp01_1m
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.1m64.ld -DBOARD=Sonoff
               -DBREWPI_LCD=false -DBREWPI_MENU=false -DBREWPI_BUTTONS=false
               -DDEVELOPMENT_OTA=false -DAUTO_CAP=false -DSupportPressureTransducer=false
               -DEnableParasiteTempControl=false
               -DTWOFACED_LCD=false
               -DEnableBME280Support=false
```

```
lib_deps = ${common_env_data.lib_deps_external_esp8266}
```

```
[env:sonoff-am2301]
board_build.flash_mode = dout
platform = ${common_env_data.esp8266_framework}
board = esp01_1m
framework = arduino
lib_extra_dirs = ${common_env_data.esp8266_lib}
build_flags = -Wl,-Tesp8266.flash.1m64.ld -DBOARD=Sonoff
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```
-DBREWPI_LCD=false -DBREWPI_MENU=false -DBREWPI_BUTTONS=false  
-DDEVELOPMENT_OTA=false -DAUTO_CAP=false -DSupportPressureTransducer=false  
-DEnableParasiteTempControl=false -DSONOFF_USE_AM2301=true  
-DTWOFACED_LCD=false  
-DEnableBME280Support=false
```

```
lib_deps = ${common_env_data.lib_deps_external_esp8266}
```