

Reimplementation Map

Keep As-Is

All Web-Server Files (but store them differently).

config.html

index.html

kewee-element-styles.css

kewee-utility.css

kewee-webapp-menuresizer.js

kewee-webapp.css

test.html

Slightly Modify

Consider merging CSS and other files for quicker transmission (pending how we implement HTTPS and its impact on performance).

Heavily Modify

Main Sketch (OSHE_KeWee_Arduino_23H2.ino)

Replace Entirely

The new Preferences.h method of storing data to Flash.

<https://randomnerdtutorials.com/esp32-save-data-permanently-preferences/>

SecureStorage.ino

SecureStorage.h

Use ESP32 HTTPS server instead

https://docs.espressif.com/projects/esp-idf/en/latest/esp32/api-reference/protocols/esp_https_server.html

<https://randomnerdtutorials.com/install-esp32-filesystem-uploader-arduino-ide/>

<https://randomnerdtutorials.com/esp32-web-server-spiffs-spi-flash-file-system/>

HttpServer.h

HttpServer.ino

Use ESP32 HTTPS or WiFiClientSecure instead

<https://randomnerdtutorials.com/esp32-https-requests/>

HttpRequest.h

HttpRequest.ino