

sailapps

At our Sailing Club, we use sailwave for managing results. However there exist great mobile apps (Sailrace) that I would like to be able to use, however, they need this shim to swap data back and forth.

Project Overview

sailapps is a Python-based toolkit for managing sailing applications collaboration. It provides two main utilities for syncing and organizing sailors data.

Purpose

- Understand json exported from SailWave
- Build csv files for import into Sailrace
- Sync data from Sailrace back to SailWave

Tech Stack

- **Language:** Python 3.12+
- **Primary Dependency:** None
- **Data Handling:** Pandas, Excel files (.xlsx), CSV files
- **Configuration:** .env file for API credentials
- **Logging:** File-based logs in `logs/` directory

Key Files

- `.env` - API credentials (HUBSPOT_API_KEY) - **not in version control**

Current Status

- **Branch:** `development/0.0.1`
- **Default Branch:** `main`

Dependencies

- `requests` - HTTP API calls to HubSpot
- `pandas` - CSV and Excel file handling
- `openpyxl` - Excel file support
- `python-dotenv` - Environment variable management

Typical Workflow

1. User exports json file with race series data from SailWave
2. Script converts to csv for Sailrace import
3. User exports from Sailrace
4. Script syncs data back to SailWave
5. Logs and reports generated in `logs/` and as `.txt` files

Environment Setup

```
# Create virtual environment
python -m venv .venv

# Activate it (Windows)
.\.venv\Scripts\Activate.ps1

# Install dependencies
pip install -r requirements.txt
```