

File Processor Design Specification

Objective: Process .dat files, remove duplicates based on 'id', and generate CSV with salary footer.

Components:

1. Input Module: Reads .dat files from the input folder.
2. Data Processor: Reads and modifies data.
3. Duplicate Checker: Removes duplicate rows.
4. CSV Writer: Writes processed data to CSV files.
5. Footer Generator: Adds footer with salary information.

Workflow:

1. Input: Read .dat files from input folder.
2. Processing: Modify data, remove duplicates, calculate salaries.
3. Output: Write CSV files with salary footer to output folder.

Features:

- Handles .dat file format.
- Removes duplicate rows based on 'id'.
- Generates CSV files with salary information.

Tech: Python, CSV module.

Deployment: Run on any system with Python installed.