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OOPSIE 2.0: What changed?

- We removed: User-authentication & Versioning
- We improved: Model-seperation, Modular design of repositories (CSV/JSON), Stable unit testing via Python's *unittest framework*.

```
.
├── config.py
├── data
│   ├── warehouse_inventory.csv
│   └── warehouse_inventory.json
├── data.py
├── domain
│   └── models.py
├── helpers.py
├── main.py
├── menu.py
├── repositories
│   ├── abstract_repository.py
│   ├── csv_repository.py
│   └── json_repository.py
└── tests
    ├── __init__.py
    ├── test_csv_repository.py
    ├── test_helpers.py
    ├── test_json_repository.py
    └── test_models.py

5 directories, 16 files
```

Modular Repository Design

- Abstract base repositories for CSV and JSON backends.

- Factory to select repository by dynamic file extension.

- Swap storage without making changes outside config file.

Unit Testing Highlights

- Tested core domain behaviours (add, remove, search, occupancy).

- Tested repository read/write for CSV & JSON.

- Used mocking for input/output helpers.

- Tests ensure confidence in refactor and support future changes.

Summary:

- We now have a simple, clean domain layer without conflicts.

- Flexible storage backend with easy config changes.

- Automation of tests, increased reliability & future feature implementation.

- Foundation for scaling and better maintenance

Q&A / Next Steps

- For the future: Implement richer domain entities, UI improvements, Continuous Integration (CI) pipeline improvements, reintegration of Versioning & User Authentication.

- THANK YOU FOR LISTENING! If you have any questions, please ask us **after** the vacation ;)