

- 21. Force the system to handle simultaneous borrow attempts (simulate concurrency with threading).
- 22. Implement input validation: member ID must be alphanumeric, book ID must be unique.
- 23. Raise an exception if a member tries to borrow more than 5 books at once.
- 24. Implement retry logic if the file is locked when saving.

#### D. Persistence & File/JSON

- 25. Add versioning to the JSON file, so each save creates a backup copy.
- 26. Use with open(..., 'a') to implement an append-only log file for all actions.
- 27. Add an import/export feature (JSON ↔ TXT ↔ CSV).
- 28. Store last modified timestamp of each book inside the JSON data.
- 29. Use pickle for faster serialization of the entire library state.

#### E. Date & Time / Business Logic

- 30. Implement a fine calculator that charges different rates based on how late a book is returned (sliding scale).