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**Rationale**

The rationale behind this Mini Library Management System is to demonstrate the principles of modular programming, structured design, and problem solving using Python.

In today’s digital world, libraries are moving toward automation and this system simulates that transition in a simplified, educational way.

**By dividing the program into separate modules:**

1. operation.py focuses on functionality and logic,
2. demo.py handles user interaction, and
3. tests.py ensures quality and reliability

The project follows the separation of concerns principle, a key concept in software engineering.

**This design also promotes:**

1. Scalability, since new features can be added easily.
2. Reusability, as modules can be used in other projects.
3. Maintainability, making debugging and updates simpler.