Here's how you can incorporate some design patterns into your library system features:

## 1. Singleton:

 Use a Singleton for the Configuration Manager: This class can hold library-wide settings like fines, borrowing limits, and renewal periods. There would only ever be one instance of this class accessible throughout the system.

### 2. Factory:

Implement a User Factory: This factory can create different user objects depending on the
user type (patron, librarian, administrator). This promotes code reusability and simplifies user
creation logic.

# 3. Abstract Factory:

Create an Abstract Item Factory: This factory can have subclasses for creating specific
types of items (books, audiobooks, DVDs). This allows for easy addition of new item types in
the future without modifying existing code.

#### 4. Decorator:

 Use the Decorator pattern for Fines: A base Fine class can be extended with decorators for different overdue scenarios (late fees, replacement cost, etc.). This allows for flexible fine calculation based on specific conditions.

## 5. Adapter:

 Implement an Adapter for Legacy Data Import: If your library has existing data in a non-standard format, an adapter can convert that data into a format compatible with the library system.

Remember, using design patterns should be done thoughtfully to improve code maintainability and flexibility. Not all features require a design pattern. Choose the pattern that best suits the specific functionality you're trying to achieve.