

## Class Responsibilities:

### Information Experts:

**Book** class is an Information Expert hence it is responsible for knowing if the book is **available** or not and also **set its status** with a method called **setAvailable**. The Book class should also know its author.

Information Expert principle is also applied to the **Member** class a member should know their **name**, **and** it's also their responsibility to know which books they have borrowed.

### Creator:

Creator principle is applied to a **Library class** because it manages the Book and Member classes with instance methods like `addBook()` and `registerMember()`.

### Controller:

**LibrarianController** is using the Controller Principle because this class delegates actions to the appropriate objects such as using methods `borrowBook()` and `returnBook()` and creating instance objects inside them to delegate certain actions.

### Low Couping and High Cohesion:

Each class interacts only through public methods, maintaining clear responsibilities.