

Student
stu_name: string stu_ID: string max_book_num: int current_book_num: int current_book: Book[] fine: double
borrow_book(books:Book[]): bool return_book(books:Book[]): bool check_book(): Book[] pay_fine(): bool

图 1 学生类图

Book
book_name: string author: string publisher: string publish_data: string ISSN: string page_num: int language: string book_status: string book_position: string borrow_data: string due_date: string fine_amount: double
in_store(): bool out_store(): bool

图 2 书籍类图

Librarian
lib_name: string lib_contact: string lib_status: string
book_in(books:Book[]): bool book_out(books:Book[]): bool book_modify(books:Book[]): bool stu_modify(students:Student[]): bool

图 3 图书管理员类图