LibraryManager

- name: str
- -_ Book_Record = Book{}
- -_filepath = 'library_manager.json'
- -+ write_to_file()
- -_read_from_file(_filepath)
- + get_name(): str
- + add_book(Book:object)
- + write_to_file(): dict
- _ read_from_file()
- + remove_book(book_id:str)
- + update_book(book_id: str, arg1: str, arg2: str)
- + to_dict(): dict
- + from_dict(book_dict: dict, book_type: str): object
- + get_book_by_id(book_id:str): Book
- + get_books_by_type(book_type: str): list
- + exists_in_library(book_id: str): boolean
- + get_all_books(): Book
- + get_book_stat(): BookStat
- + show_book_not_borrowed(id: str): str
- + show_available_book_category(book_type: str)
 _max_book_len(): list
- + draw_label(book_type: str)

BookStat

- -_num_not_borrowed: int
- -_ num_borrowed: int
- -_ num_textbooks: int
- -_num_ebooks: int
- + to_dict(): dict
- + get_num_not_borrowed(): int
- + get_num_borrowed(): int
- + get_num_textbooks(): int
- + get_num_ebooks(): int

Book

- -_book_id: str
- -_book_title: str
- -_author: str
- -_publcihed_year: int
- -_edition: int
- -_is_borrowed: boolean
- + get_book_id(): str
- + get_book_title(): str
- + get_author(): str
- + get_published_year(): int
- + get_edition(): str
- + get_availability_status(): boolean
- + to_dict(): dict
- + get_book_type(): str
- + display_info(): str

eBook

-_platform: str

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- -_ book_genre: str
- + get_book_type(): str
- + get_book_platform(): str
- + set_book_platform(platform: str)
- + get_available_platforms(): str
- + get_book_genre(): str
- + set_book_genre(genre: str)
- + suffix(edition: int): str
- + to_dict(): dict
- + display_info(): str

TextBook

- -_cover_type: str
- -_book_subject: str
- + get_book_type(): str
- + get_book_subject(): str
- + set_book_subject(subject: str)
- + get_cover_type(): str
- + set_cover_type(cover_type: str)
- + get_available_cover_types(): str
- + suffix(edition: int): str
- + to_dict(): dict
- + display_info(): str