UML Diagram

LibrarySystem

- books: dict
- members: list
- genres: tuple

+ add_book()
+ add_member()
+ search_book()
+ update_book()
+ update_member()
+ delete_book()
+ delete_member()
+ borrow_book()
+ return_book()

Book

- isbn: str
- title: str
- author: str
- genre: str
- Total_copies: int
- available_copies: int

Member

- member_id: str
- name: str
- email: str
- borrowed_book: list

+ borrowed_book()
+ return_book()

Genre System

- genre: tuple
  ("fiction",
   "Not-fiction",
   "sci-fi",
   "Mystery",
   "Biography")