UML Diagram – Mini Library Management System

GENRES (tuple)
('fiction', 'non-fiction', 'Sci-fi', Mystery...)

BOOKS (dict)
key: ISBN
title: 'author', genre, total-copies

MEMBERS (list)
(member-id, name, email, borrowed books)

add-books(isbn, title, author, genre, copies) — *updates* →

search-books (query, by) — *removes* →

borrow-book (isbn, member-id)

add-members (member-id, name, email)

update-members (member-id) — *removes* →

return-book (isbn, member-id)

update-members (member-id) — *modifies* →

delete-members (member-id)

return-books (member-id)