
Library Management software

CS project by **C. Ananthapadmanabhan** and
Devanandan N. B. {Class: XII A1}

Aim:

To create a software that aids the routine tasks of library administration and partially automate it using a database.

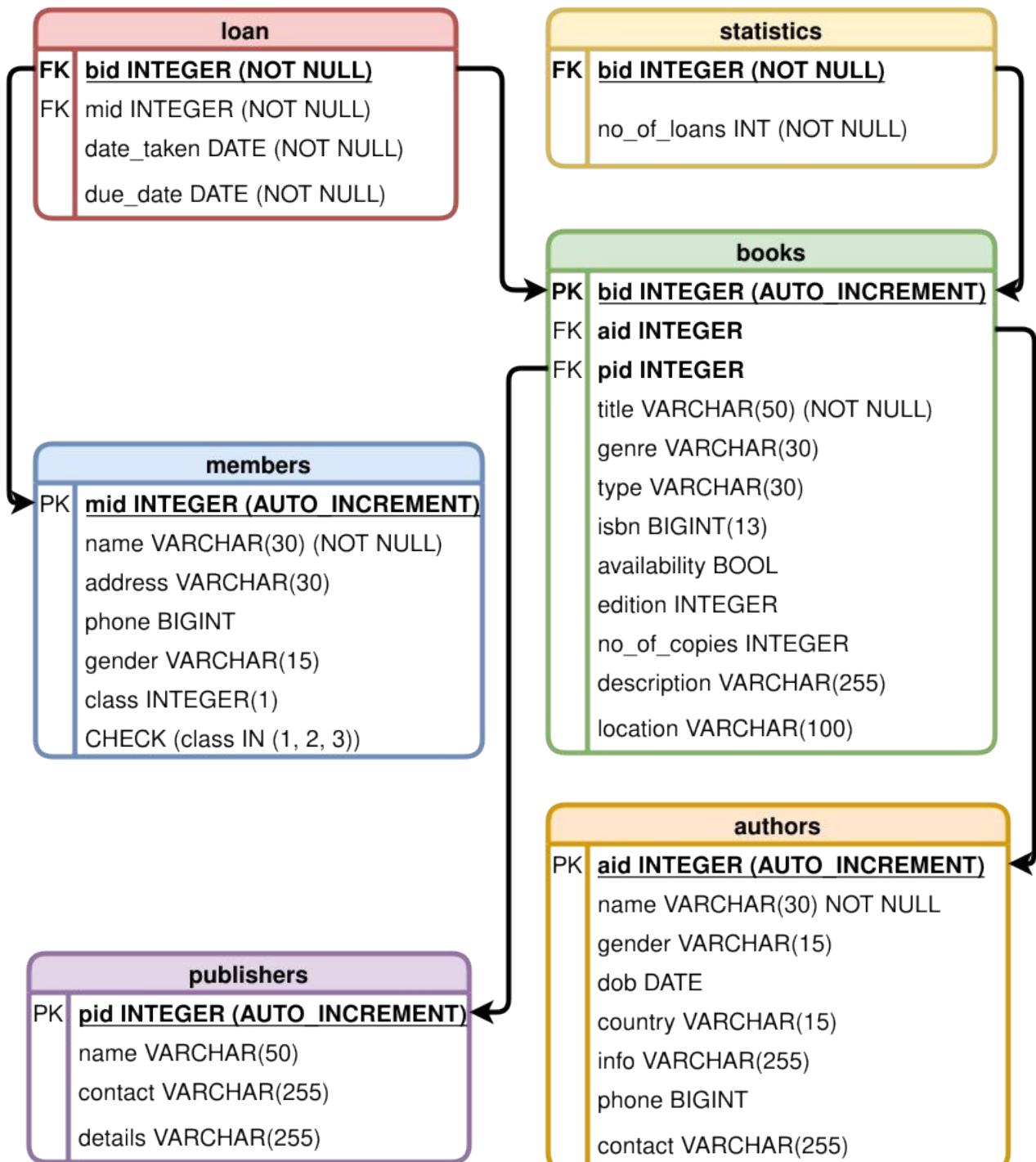
Synopsis:

Library management involves many repetitive tasks such as creating and maintaining logs, book catalogues, patrons lists, circulation records and computing tasks like calculating late return fees, statistics etc. These tasks can be done efficiently using a computer program.

Software:

Python language, MySQL database,
Python modules(rapidfuzz, customtkinter)

Database:



Functionality with tables:

books	<ul style="list-style-type: none">• To store details of all individual books• Add / remove / update details• Retrieve specific details of a book• Links to its author and publishers• Contains location of a book and its availability status
members	<ul style="list-style-type: none">• To store details of all members• Add / remove / update details• Retrieve specific details of a member• Links to their book loans
authors	<ul style="list-style-type: none">• To store details of all authors of the books stored in the library• Add / remove / update details• Retrieve specific details of an author
publishers	<ul style="list-style-type: none">• To store details of all publishers• Add / remove / update details• Retrieve specific details of a publisher
statistics	<ul style="list-style-type: none">• Links each book with the number of times it has been taken
loan	<ul style="list-style-type: none">• To store details of all loans