The Entity-Relationship
Diagram (ERD) for the
Library Management
System illustrates
essential entities such as
Books, Members,
Librarians, and Loans, as
well as their connections.
It specifies the process
for borrowing and
returning books,
maintaining data integrity
via primary and foreign
keys.Entities are
(rectangles).

BOOKS MEMBERS AUTHORS PK book\_id PK member\_id PK author\_id ISBN name Password title email edition phone join\_date pub\_year BOOK\_AUTHORS status category\_id PK book\_id publisher\_id PK author\_id shelf\_id status BOOK\_AUTHORS PK publisher\_id Text name HockeyTeamPlayer address phone HockeyTeamId email FirstName LastName JerseyNum LOANS Position PK loan\_id FK book\_id FK member\_id SHELVES loan\_date due\_date PK shelf\_id return\_date location fine\_amount description FINE\_PAYMENTS PK payment\_id FK loan\_id payment\_date amount

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