Library Management System ERD Book_Categories Categories book_id FK id PK string Roles "Refers to string string name id PK → Books.id" string parent_id FK —"Category contains books"– category_id FK string name "Refers to string "Refers to string Categories.id" Categories.id" "Role assigned to users" —"Book belongs to categories"– Books id PK string title string isbn Members string User_Roles Users edition int id PK string user_id FK "Refers string id PK string string publication_year name int —⊖ to Users.id" string username email role_id FK "Refers string string string language password string string phone string summary to Roles.id" enabled bool address string cover_image publisher_id FK "Refers to string Publishers.id" "Member borrows books" "User has roles"— "Publisher publishes books" Borrow_Transactions book_id FK "Refers to string **Publishers** Books.id" id PK —⊖ member_id FK string "Refers to string name Members.id" address string "Book borrowed in transactions" borrowed_date datetime due_date datetime return_date datetime —○< status string Book_Authors "Book written by authors" book_id FK "Refers to string Books.id" author_id Authors.id" Authors id PK string -"Author writes books"name string biography string