Books, chapters, rate, comment, support

 **Books**:

* **books**: Stores information about each book, such as its title, genre, status, and view count.
* **book\_authors**: Manages authorship details, linking users to books and indicating whether they are the primary author or a co-author.

 **Chapters**:

* **chapters**: Contains chapter details for each book, including chapter number, content, and author information.

 **Rating and Commenting**:

* **ratings**: Stores ratings and comments for books submitted by users. Each rating has a value (1-5) and an optional review comment.

 **Support**:

* **support**: Allows users to send financial support to authors. This includes the amount and an optional message from the supporter.

 **Collaboration**:

* **collaboration\_invites**: Manages invitations for users to collaborate on books. The status of the invite (Pending, Accepted, Declined) is tracked.

 **Users**:

* **users**: Tracks user information, including role, books read, books created, and user interaction with books (followers, following).

All the table related to this

CREATE TABLE `books` (

`book\_id` int(11) NOT NULL,

`title` varchar(255) NOT NULL COMMENT 'Book title',

`cover\_photo` varchar(255) DEFAULT NULL COMMENT 'URL of the book cover',

`description` text DEFAULT NULL COMMENT 'Brief description of the book',

`genre` enum('Fantasy','Thriller','Mystery','Thriller Mystery','Youth Fiction','Crime','Horror','Romance','Science Fiction','Adventure','Historical') NOT NULL COMMENT 'genre for each book',

`status` enum('Ongoing','Complete','Hiatus') NOT NULL COMMENT 'Status of the book',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp() COMMENT 'Timestamp when book was added',

`updated\_at` timestamp NOT NULL DEFAULT current\_timestamp() ON UPDATE current\_timestamp() COMMENT 'Timestamp when book was last updated',

`view\_count` int(11) DEFAULT 0 COMMENT 'view count for each book\r\n'

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

CREATE TABLE `book\_authors` (

`book\_author\_id` int(11) NOT NULL,

`book\_id` int(11) NOT NULL,

`user\_id` int(11) NOT NULL,

`role` enum('Owner','Co-Author') DEFAULT 'Owner' COMMENT 'Defines the primary author and co-authors',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp()

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

CREATE TABLE `chapters` (

`chapter\_id` int(11) NOT NULL,

`book\_id` int(11) NOT NULL COMMENT 'Book ID the chapter belongs to',

`author\_id` int(11) NOT NULL,

`chapter\_number` int(11) NOT NULL COMMENT 'Sequential chapter number',

`content` longtext NOT NULL COMMENT 'Chapter content (preserves long text and formatting)',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp() COMMENT 'Timestamp when chapter was created',

`updated\_at` timestamp NOT NULL DEFAULT current\_timestamp() ON UPDATE current\_timestamp() COMMENT 'Timestamp when chapter was last updated'

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

CREATE TABLE `collaboration\_invites` (

`invite\_id` int(11) NOT NULL,

`book\_id` int(11) NOT NULL,

`inviter\_id` int(11) NOT NULL,

`invitee\_email` varchar(255) NOT NULL,

`invite\_code` varchar(10) NOT NULL,

`status` enum('Pending','Accepted','Declined') DEFAULT 'Pending',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp()

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

CREATE TABLE `ratings` (

`rating\_id` int(11) NOT NULL,

`book\_id` int(11) NOT NULL COMMENT 'Book ID being rated',

`user\_id` int(11) NOT NULL COMMENT 'User ID of the reviewer',

`rating` tinyint(4) NOT NULL COMMENT 'Rating value (1 to 5)',

`comment` text DEFAULT NULL COMMENT 'User comment or review',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp() COMMENT 'Timestamp when rating was submitted'

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

CREATE TABLE `support` (

`support\_id` int(11) NOT NULL,

`user\_id` int(11) NOT NULL COMMENT 'User sending support',

`author\_id` int(11) NOT NULL COMMENT 'Author receiving support',

`amount` decimal(10,2) NOT NULL COMMENT 'Support amount in currency',

`message` text DEFAULT NULL COMMENT 'Optional message from supporter',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp() COMMENT 'Timestamp when support was sent'

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

CREATE TABLE `users` (

`user\_id` int(11) NOT NULL,

`username` varchar(50) NOT NULL COMMENT 'Unique username for login',

`password` varchar(255) NOT NULL COMMENT 'Hashed password for security',

`email` varchar(100) NOT NULL COMMENT 'Unique email address',

`role` enum('Admin','Regular User') NOT NULL DEFAULT 'Regular User',

`profile\_picture` varchar(255) DEFAULT NULL COMMENT 'Profile picture URL',

`books\_read\_count` int(11) DEFAULT 0 COMMENT 'Number of books read by the user',

`works\_created\_count` int(11) DEFAULT 0 COMMENT 'Number of books created by the user',

`created\_at` timestamp NOT NULL DEFAULT current\_timestamp() COMMENT 'Account creation timestamp',

`books\_listed\_count` int(11) DEFAULT 0 COMMENT 'Number of books saved by user',

`followers\_count` int(11) DEFAULT 0,

`following\_count` int(11) DEFAULT 0

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;