## Users

| Column Name | Data Type | Details | Associations |
|---|---|---|---|
| | | | has_many books through books_to_reader |
| id | int | not null, primary key | has_many authored_books |
| email | string | not null, indexed, unique | has_many shelves |
| password_digest | string | not null | has_many authored_reviews |
| session_token | string | not null, indexed, unique | |
| author | boolean | default: false | |
| username | string | not null, indexed, unique | |

## Books

| Column Name | Data Type | Details | Associations |
|---|---|---|---|
| | | | has_many readers(users) through book_to_reader |
| id | int | not null, primary key | has_many shelves |
| author_id | int | allow_null, foreign key | has_many reviews |
| title | string | not null | belongs_to author(user) |
| author_name | string | not null | |
| cover_image_url | string | not null default="default_cover_url" | |
| blurb | text | not null | |

## Shelf

| Column Name | Data Type | Details | Associations |
|---|---|---|---|
| id | int | not null, primary key | belongs_to reader(user) |
| user_id | int | indexed, not null, foreign_key | has_many books through book_to_shelf |
| title | string | indexed, unique scoped to user | |

## Book to Shelf

| Column Name | Data Type | Details | Associations |
|---|---|---|---|
| id | int | not null, primary key | belongs_to book |
| book_id | int | not null, foreign key | belongs_to shelf |
| shelf_id | int | not null, foreign key | |

## Book to Reader

| | | | Associations |
|---|---|---|---|
| id | int | not null, primary key | belongs_to book |
| book_id | int | not null, foreign key | belongs_to user |

| user_id | int | not null, foreign key | |
|---|---|---|---|
| started_on | Date | default: null | |
| completed_on | Date | default: null | |
| read_status | string | allow null, inclusion ('to read', 'read', 'reading') | |
| | | | |
| **Reviews** | | | **Associations** |
| Column Name | Data Type | Details | belongs_to user |
| id | int | not null, primary key | belongs_to book |
| book_id | int | not null, foreign key, indexed | |
| shelf_id | int | not null, foreign key, indexed | |
| Rating | int | allow nill | |
| Body | text | not null | |