

```
CREATE DATABASE IF NOT EXISTS library_db;
```

```
USE library_db;
```

```
CREATE TABLE Member (  
    member_id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(255) NOT NULL,  
    email VARCHAR(255) NOT NULL UNIQUE,  
    password_hash VARCHAR(255) NOT NULL,  
    role ENUM('MEMBER', 'LIBRARIAN') DEFAULT 'MEMBER'  
);
```

```
CREATE TABLE Book (  
    book_id INT AUTO_INCREMENT PRIMARY KEY,  
    title VARCHAR(255) NOT NULL,  
    author VARCHAR(255),  
    isbn VARCHAR(50) UNIQUE,  
    total_copies INT DEFAULT 1,  
    available_copies INT DEFAULT 1  
);
```

```
CREATE TABLE TransactionRecord (  
    txn_id INT AUTO_INCREMENT PRIMARY KEY,  
    book_id INT NOT NULL,  
    member_id INT NOT NULL,  
    borrow_date DATE NOT NULL,  
    due_date DATE NOT NULL,  
    return_date DATE,
```

```
status ENUM('BORROWED','RETURNED','OVERDUE') DEFAULT 'BORROWED',  
FOREIGN KEY (book_id) REFERENCES Book(book_id),  
FOREIGN KEY (member_id) REFERENCES Member(member_id)  
);
```