Possible data tables of the local library scenario

**Member Table**

|  |  |  |
| --- | --- | --- |
| Primary key | membership\_card\_id | INT |
|  | member\_first\_name | VARCHAR(50) |
|  | member\_last\_name | VARCHAR(50) |
|  | member\_joinging\_date | DATE |
|  | member\_phone\_number | VARCHAR(12) |
|  | member\_email\_id | VARCHAR(100) |
|  | member\_address\_line\_one | VARCHAR(100) |
|  | member\_state | VARCHAR(50) |
|  | member\_city | VARCHAR(50) |
|  | member\_country | VARCHAR(50) |

**Book Table**

|  |  |  |
| --- | --- | --- |
| Primary key | book\_id | INT |
|  | book\_title | VARCHAR(300) |
|  | book\_checked\_out | VARCHAR(1) |
| Foreign Key | book\_category\_id | INT |

**Author Table**

|  |  |  |
| --- | --- | --- |
| Primary key | author\_id | INT |
|  | author\_first\_name | VARCHAR(50) |
|  | author\_last\_name | VARCHAR(50) |

**Book\_authors Table**

|  |  |  |
| --- | --- | --- |
| Primary key | book\_authors\_id | INT |
| Foreign Key | author\_id | INT |
| Foreign Key | book\_id | INT |

**CHECKOUT TABLE**

|  |  |  |
| --- | --- | --- |
| Primary Key | checkout\_id | INT |
|  | checkout\_date | DATE |
|  | due\_date | DATE |
|  | over\_due\_amount | DECIMAL |
|  | over\_due\_days | INT |
| Foreign Key | membership\_card\_id | INT |

**CHECKOUT\_ITEMS**

|  |  |  |
| --- | --- | --- |
| Primary Key | checkout\_items\_id | INT |
| Foreign Key | checkout\_id | INT |
| Foreign Key | book\_id | INT |

**BOOK REQUEST ITEMS**

|  |  |  |
| --- | --- | --- |
| Primary Key | book\_request\_id | INT |
|  | book\_id | INT |
|  | new\_book\_arraival\_date | DATE |
|  | book\_status | VARCHAR(10) |
| Foreign Key | membership\_card\_id | INT |

**BOOK CATEGORIES**

|  |  |  |
| --- | --- | --- |
| Primary Key | book\_category\_id | INT |
|  | book\_category\_name | VARCHAR(200) |

**MEMBER\_BOOK\_INTRESTS**

|  |  |  |
| --- | --- | --- |
| Primary Key | member\_book\_intrest\_id | INT |
| Foreign Key | membership\_card\_id | INT |
| Foreign Key | book\_category\_id | INT |