USER

Primary Key: userID

|  |  |  |
| --- | --- | --- |
| Field Name | Field Type | Field Size |
| userID | Varchar | 10 |
| userName | Varchar | 50 |
| password | Varchar | 50 |
| name | Varchar | 50 |
| role | Varchar | 50 |

RESOURCE

Primary Key: resourceID

|  |  |  |
| --- | --- | --- |
| Field Name | Field Type | Field Size |
| resourseID | Varchar | 10 |
| title | Varchar | 50 |
| author | Varchar | 50 |
| category | Varchar | 50 |
| publishedYear | Varchar | 10 |
| price | Varchar | 50 |
| status | Varchar | 50 |

TRANSACTION

Primary Key: transactionID

Foreign Key: resourceID, userID, studentID

|  |  |  |
| --- | --- | --- |
| Field Name | Field Type | Field Size |
| transactionID | Varchar | 10 |
| transactionDate | Varchar | 10 |
| fineAmount | Varchar | 10 |
| dueDate | Varchar | 10 |
| resourceID | Varchar | 10 |
| userID | Varchar | 10 |
| studentID | Varchar | 10 |

STUDENT

Primary Key: studentID

|  |  |  |
| --- | --- | --- |
| Field Name | Field Type | Field Size |
| studentID | Varchar | 10 |
| name | Varchar | 50 |
| guardianName | Varchar | 50 |
| courseName | Varchar | 50 |
| contactNo | Varchar | 15 |
| registrationYear | Varchar | 10 |
| registrationFee | Varchar | 10 |

RECIEPT

Primary Key: recieptID

Foreign Key: transactionID, userID

|  |  |  |
| --- | --- | --- |
| Field Name | Field Type | Field Size |
| receiptID | Varchar | 10 |
| payment | Varchar | 10 |
| type | Varchar | 10 |
| transactionID | Varchar | 10 |
| userID | Varchar | 10 |