**TABLES**

**Table No:1 tbl\_user\_type**

Primary Key: user\_type\_id

Foregin Key:

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| user\_Type\_id | Int | 10 | Primary key of the user type table |
| user\_Type\_Name | Varchar | 20 | To store user types |

**Table No:2 tbl\_login**

Primary Key: login\_id

Foregin Key: reg\_email

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| login**\_**Id | Int | 10 | Primary key of the login table |
| reg\_Email | Varchar | 50 | Foregin key from the registration table |
| password | Varchar | 30 | Store password of user |

**Table No: 3 tbl\_reg**

Primary Key: reg\_email

Foregin Key: user\_type\_id,login\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| reg\_Email | Varchar | 50 | Primary key of the registration table |
| user\_Type\_Id | Int | 10 | Foregin key of the user type table |
| login\_Id | Int | 10 | Foregin key of the login table |
| fname | Varchar | 30 | Store user first name |
| mname | Varchar | 30 | Store user middile name |
| lname | Varchar | 30 | Store user last name |
| day | date | 10 | Store date of birth of user |
| month | Int | 10 | Store date of birth of user |
| year | Int | 10 | Store date of birth of user |
| age | Int | 10 | Store date age of user |
| address | Varchar | 50 | Store address of user |
| city | Varchar | 30 | Store city name of user |
| district | Varchar | 30 | Store district name of user |
| state | Varchar | 30 | Store state name of user |
| pincode | Int | 10 | Store pincode of user |
| mobile\_Num\_1 | Int | 10 | Store mobile number of user |
| mobile\_Num\_2 | Int | 10 | Store mobile number of user |
| aadhar\_No | Int | 15 | Store aadhar number of user |
| password | Varchar | 30 | Store password of user |
| photo | Blob | max | Store photo of user |
| r\_Name | Varchar | 30 | Store recommending person’s name |
| r\_Office\_Address | Varchar | 50 | Store recommending person’s address |
| r\_Mobile\_num | Int | 10 | Store mobile number of  Recommending person |
| l\_Job\_Title | Varchar | 30 | Store previous job title of librarian |
| l\_Working\_Years | Int | 10 | Store previous job’s working years of  librarian |
| l\_Working\_Address | Varchar | 50 | Store previous working address of librarian |

**Table No: 4 tbl\_Category**

Primary Key: category\_Id

Foregin Key:

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| category\_Id | Int | 10 | Primary key of the category table |
| category\_Name | Varchar | 30 | Store category name of books |

**Table No: 5 tbl\_Book\_Management**

Primary Key: bk\_Id

Foregin Key:category\_Id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| bk\_Id | Int | 10 | Primary key of the table |
| bk\_Title | Varchar | 50 | Store book title |
| bk\_Author | Varchar | 30 | Store author’s name |
| Category\_Id | Int | 10 | Foregin key from the category table |
| bk\_Edition | Int | 10 | Store edition number of the book |
| bk\_ISBN | Int | 10 | Store ISBN number of the book |
| bk\_Published\_Year | Int | 10 | Store published year of the book |
| bk\_Publisher | Varchar | 30 | Store publisher’s name |
| bk\_Published\_Agency | Varchar | 30 | Store published agency name |
| bk\_No\_Of\_Pages | Int | 10 | Store number of pages of the book |
| bk\_No\_Of\_Copy | Int | 10 | Store number of copies of the book |
| bk\_Price | Int | 10 | Store price of the book |
| bk\_Status | Varchar | 20 | Store status of the book |

**Table No: 6 tbl\_issue\_Book**

Primary Key: issue\_Id

Foregin Key:bk\_Request\_Id,reg\_Email,bk\_Id,penalty\_Id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| Issue\_Id | Int | 10 | Primary key of issue table |
| bk\_Request\_Id | Int | 10 | Foregin key from the book request table |
| reg\_Email | Varchar | 50 | Foregin key from the registration table |
| Penalty\_Id | Int | 10 | Foregin key from the penalty table |
| bk\_Id | Int | 10 | Foregin key from the Book Management table |
| issue\_Date | Date | 10 | Store issue date of the book |
| return\_Date | Date | 10 | Store return date of the book |
| Issue\_Status | Varchar | 20 | Store status of the issuing book |

**Table No: 7 tbl\_Penalty**

Primary Key:penalty\_Id

Foregin Key:reg\_Email

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| Penalty\_Id | Int | 10 | Primary key of the penalty table |
| reg\_Email | Varchar | 50 | Foregin key from the registration table |
| penalties | Numeric | 20 | Store penalties of the customer |
| penalty\_Satus | Varchar | 20 | Store status of the penalty status |

**Table No: 8 tbl\_Payment**

Primary Key:payment \_Id

Foregin Key:reg\_Email,

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| payment\_Id | Int | 10 | Primary key of the payment table |
| reg\_Email | Varchar | 50 | Foregin key from the registration table |
| payment\_Card\_  Holder\_Name | Varchar | 30 | Store card holder name |
| payment\_Card\_No | Int | 10 | Store card number |
| payment\_CVV | Int | 10 | Store cvv number |
| payment\_Expiry\_Month | Date | 10 | Store expiry month |
| payment\_Expiry\_Year | Date | 10 | Store expiry year |
| Payment\_Amount | Numeric | 10 | Store amount |

**Table No: 9 tbl\_Book\_Request**

Primary Key:bk\_Request\_Id

Foregin Key:reg\_Email,bk\_Id

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Description** |
| bk\_Request\_Id | Int | 10 | Primary key of the book request table |
| reg\_Email | Varchar | 50 | Foregin key from the registration table |
| bk\_Id | Int | 10 | Foregin key of the book  Management table |
| requested\_Date | Date | 10 | Stores book requested date |
| Prerequested\_Date | Date | 10 | Stores book reserving date |