Admin

|  |  |
| --- | --- |
| NAME | DEFINITION |
| ID | Unique identifier for admin this is the (primary key) |
| FULLNAME | Full name of the admin |
| EMAIL | Active admin email use for notifications or communication |
| PASSWORD | Password use by the admin |
| ROLE | to identify that the user admin |

Staff

|  |  |
| --- | --- |
| NAME | DEFINITION |
| ID | Unique identifier for staff this is the (primary key) |
| FULLNAME | Full name of the staff |
| EMAIL | Active staff email use for notifications or communication |
| PASSWORD | Password use by the staff |
| ROLE | to identify that the user staff |

User/Patron

|  |  |
| --- | --- |
| NAME | DEFINITION |
| ID | Unique identifier for user/patrons this is the (primary key) |
| USERNAME | Username of the user/patron |
| EMAIL | Email address of the user/patrons |
| PASSWORD | Password use by the user/patrons |
| FULLNAME | Full name of the user/patron |
| ADRESS | Place where the user/patron lives |
| PHONE NUMBER | The patron or user's active phone number |
| ROLE | to identify that the user patron |

TRANSACTION

|  |  |
| --- | --- |
| NAME | DEFINITION |
| ID | Unique identifier for record (primary key) |
| PATRON ID | Identifier for the patron borrowing the book (foreign key) |
| BOOK ID | Identifier for the borrowed book (foreign key) |
| DATE BORROWED | Date when the book was borrowed |
| DUE DATE | Date by which the book should be returned |
| DATE RETURNED | Date when the book was returned |

Book Catalog

|  |  |
| --- | --- |
| NAME | DEFINITION |
| ID | Unique identifier for each record (primary key) |
| BOOK TITLE | titles of the books |
| AUTHOR | Name of the author of the book |
| GENRE | Name of the genre of the book |

Books

|  |  |
| --- | --- |
| NAME | DEFINITION |
| BOOK ID | Unique identifier for each book (primary key) |
| TITLE | Title of the book |
| ISBN | International Standard Book Number |
| PUBLICATION YEAR | The year the book was published |
| PUBLISHER | Name of the publishing company |
| DESCRIPTION | A brief summary or description of the book |
| COVER IMAGE | Link to or file path of the cover image of book |

Genres

|  |  |
| --- | --- |
| NAME | DEFINITION |
| GENRE ID | Unique identifier for each genre (primary key) |
| GENRE NAME | Name of the genre |

Authors

|  |  |
| --- | --- |
| NAME | DEFINITION |
| AUTHOR ID | Unique identifier for each author (primary key) |
| FIRST NAME | First names of the authors |
| LASTNAME | Last name of the authors |
| BIOGRAPHY | Short biography of the author |
| DATE OF BIRTH | Date of birth of the author |

Book Authors

|  |  |
| --- | --- |
| NAME | DEFINITION |
| BOOK AUTHOR ID | Unique identifier for each book author (primary key) |
| BOOK ID | Identifier for a specific book (foreign key) |
| AUTHOR ID | Identifier for a specific author (foreign key) |

BookGenres

|  |  |
| --- | --- |
| NAME | DEFINITION |
| BOOK GENRE ID | Unique identifier for each book genre (primary key) |
| BOOK ID | Identifier for a specific book (foreign key) |
| GENRE ID | Identifier for a specific genre (foreign key) |