**Relational Schema Diagram**

USER

|  |  |
| --- | --- |
| Username | Password |

STAFF

|  |
| --- |
| Username |

STUDENT\_FACULTY

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Username | Name | DOB | Email | IsDebarred | Gender | Address | IsFaculty | Penalty | Dept |

BOOK

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ISBN | Title | Cost | IsReserved | Edition | PubliPlace | Publisher | CopyYr | ShelfID | SubName |

BOOKCOPY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ISBN | CopyID | IsChecked | IsHold | IsDamaged | FuRequester |

AUTHOR

|  |  |
| --- | --- |
| ISBN | Author |

ISSUE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Username | ISBN | CopyID | IssueID | ExtenDate | IssueDate | ReturnDate | NumExten |

FLOOR

|  |  |  |
| --- | --- | --- |
| FloorID | NumAssistant | NumCopier |

SHELF

|  |  |  |
| --- | --- | --- |
| ShelfID | FloorID | AisleID |

SUBJECT

|  |  |  |
| --- | --- | --- |
| SubName | FloorID | NumJournal |

KEYWORD

|  |  |
| --- | --- |
| SName | Keyword |

USER (Username, Password)

STAFF (Username)

STUDENT\_FACULTY (Username, Name, DOB, Email, IsDebarred, Gender, Address, IsFaculty, Penalty, Dept)

BOOK (ISBN, Title, Cost, IsReserved, Edition, PubliPlace, Publisher, Copy\_Yr, ShelfID, SubName)

BOOKCOPY(ISBN, CopyID, IsChecked, IsHold, IsDamaged, FuRequester)

AUTHOR(ISBN, Author)

ISSUE(Username, ISBN, CopyID, IssueID, ExtenDate, IssueDate, ReturnDate, NumExten)

FLOOR(FloorID, NumAssistant, NumCopier)

SHELF(ShelfID, FloorID, AisleID)

SUBJECT(SubName, FloorID, NumJournal)

KEYWORD(SName, Keyword)