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| **No.** | **Entity Name** | **Attribute** | **Description** |
| 1. | User | User\_Id (PK) | Unique identifier for each user |
| Name | Full name of the user |
| Phone\_No | User’s phone number |
| Email | User’s email address |
| Address | Residential address |
| Password | Login password |
| Role | Defines user type (Student, Teacher, Staff) |
| Demerit\_Point | Points deducted for violations |
| Amount | Balance amount or dues |
| 2. | Student | User\_Id (PK, FK) | References User |
| Roll\_No | Student roll number |
| Registration\_No | Student registration number |
| Session | Academic session |
| Hall | Hall or dormitory name |
| 3. | Teacher | User\_Id (PK, FK) | References User |
| Designation | Teacher’s designation |
| Department | Department of the teacher |
| 4. | Staff | User\_Id (PK, FK) | References User |
| Designation | Staff designation |
| Department | Staff department |
| 5. | Cleareance | Serial\_No (PK) | Unique clearance number |
| User\_Id (FK) | References User |
| Status | Clearance status |
| Blacklist\_Status | Whether the user is blacklisted |
| Request | Clearance request type |
| Type | Type of clearance |
| Form | Clearance form |
| Certificate | Related certificate |
| Marksheet | Related marksheet |
| Pension | Pension details if applicable |
| 6. | Book | Classification\_No (PK) | Unique classification number |
| Title | Book title |
| Author | Book author |
| Subject | Subject area |
| Book\_PDF | PDF file path or link |
| Category | Book category |
| Rating | Book rating |
| Archive | Whether book is archived |
| 7. | Payment | Transaction\_Id (PK) | Unique transaction identifier |
| User\_Id (FK) | References User |
| Phone\_No | Payment phone number |
| MFS | Mobile financial service used |
| 8. | OTP | OTP\_No (PK) | One-time password identifier |
| User\_Id (FK) | References User |
| Phone\_No | User’s phone number |
| Time | OTP generation time |
| Date | OTP generation date |
| 9. | Borrowing\_Details | Borrow\_Id (PK) | Unique borrow identifier |
| User\_Id (FK) | References User |
| Classification\_No (FK) | References Book |
| Borrow\_Date | Borrowing date |
| Return\_Date | Book return date |
| Pending\_Status | Whether the book is pending return |
| Return\_Status | Status of return (Returned/Pending) |
| 10. | Application | Application\_ID (PK) | Unique application identifier |
| User\_Id (FK) | References User |
| Status | Application status |