Tables:

# Location:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| Location ID | Integer |
| Parent Location ID | Integer |
| Location Name | String |

# Rooms:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| Room ID | Integer |
| Parent Location ID | Integer |
| Room Name | String |
| Issuable | Boolean |
| Total Capacity | Integer |
| Currently Booked | Boolean |
| Time of Availability | Time |
| Max. Booking Duration | Time |
| Bookable | Boolean |
| Who can Issue | Users with this attribute |

# Assets:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| Asset ID | Integer |
| Parent Room ID | Integer |
| Room Name | String |
| Issuable | Boolean |
| Currently Booked | Boolean |
| Max. Booking Duration | Time |
| Who can Issue | Users with this attribute |

# User:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| User ID | Integer |
| Email | Email |
| User Name | String |
| User Status | Array (e.g. Student, Club Head, Lab-Ass.) |
| Password | Password |
| Phone Number | Mobile |

# Admin:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| Admin ID | Integer |
| Email | Email |
| Admin Name | String |
| Password | Password |
| Phone Number | Mobile |

# Room Booking:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| Room ID | Integer |
| User ID | Integer |
| Issuer ID | Admin ID(Integer) |
| Issue Date | Time |
| Booking Start Time | Time |
| Booking End Time | Time |
| Purpose | Text |
| Approved | Boolean |

# Asset Tracking:

|  |  |
| --- | --- |
| Name of Field | Data-type |
| Asset ID | Integer |
| User ID | Integer |
| Issuer ID | Admin ID(Integer) |
| Issue Date | Time |
| Request Date | Time |
| Due Date | Time |
| Purpose | Text |
| Approved | Boolean |
| Fine | Currency |
| Finance Transaction ID | Integer |
| Fine Paid | Currency |