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| **Members** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Mem\_Id | char(36) | No | newid() | Primary |  | ID of Member |
| Mem\_FirstName | nvarchar(30) | No |  |  |  | FirstName of Member |
| Mem\_LastName | nvarchar(50) | No |  |  |  | LastName of Member |
| Mem\_Phone | varchar(20) |  |  |  |  | Phone of Member |
| Mem\_Address | nvarchar(200) |  |  |  |  | Address of Member |
| Mem\_Email | varchar(50) | No |  |  | Unique | Email of Member |
| Mem\_Status | bit | No | 1 |  |  | Status of Member |
| Mem\_CreateDate | datetime | No | getdate() |  |  | Create date of Member |
| Mem\_isDelete | bit | No | 0 |  |  | Record status is deleted or not |

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| **Roles** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Role\_Id | varchar(15) | No |  | Primary |  | ID of Role |
| Role\_Name | nvarchar(20) | No |  |  | Unique | Name of Role |
| Role\_Description | nvarchar(100) |  |  |  |  | Description of Role |

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| **Staffs** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Staff\_Id | Char(36) | No | newid() | Primary |  | ID of Staff |
| Staff\_FirstName | nvarchar(30) | No |  |  |  | First name of Staff |
| Staff\_LastName | nvarchar(50) | No |  |  |  | Last name of Staff |
| Staff\_Login | varchar(25) | No |  |  | Unique | Login name of Staff |
| Staff\_Password | varchar(50) | No |  |  |  | Password of Staff |
| Staff\_Phone | varchar(20) |  |  |  |  | Phone of Staff |
| Role\_Id | varchar(15) | No |  | Foreign |  | ID of Role |
| Staff\_Address | nvarchar(200) |  |  |  |  | Address of Staff |
| Staff\_Email | varchar(50) | No |  |  | Unique | Email of Staff |
| Staff\_Status | bit | No | 1 |  |  | Status of Staff (0: Banned,1:Active) |
| Staff\_CreateDate | datetime | No | getdate() |  |  | Create date of Staff |
| Staff\_isDelete | bit | No | 0 |  |  | Record status is deleted or not |

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| **Categories** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Cat\_Id | char(36) | No | newid() | Primary |  | ID of Category |
| Cat\_Name | nvarchar(30) | No |  |  | Unique | Name of Category |

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| **Languages** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Lang\_Id | varchar(7) | No |  | Primary |  | ID of Language(depend ISO 639-2 Code) |
| Lang\_Name | nvarchar(30) | No |  |  | Unique | Name of Language |

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| **Books** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Book\_ISBN | varchar(13) | No |  | Primary |  | ISBN of Book |
| Book\_Title | nvarchar(50) | No |  |  |  | Title of Book |
| Book\_Publisher | nvarchar(50) |  |  |  |  | Publisher of Book |
| Book\_Author | nvarchar(50) |  |  |  |  | Author of Book |
| Book\_Price | money | No |  |  |  | Price of Book |
| Cat\_Id | char(36) | No |  | Foreign |  | ID of Category |
| Lang\_Id | varchar(7) | No |  | Foreign |  | ID of Language |
| Book\_ImageFile | varchar(255) | No | /imgBook/nocover.png |  |  | Path file image of Book |
| Book\_CreateDate | datetime | No | getdate() |  |  | Create date of Book |

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| **Copies** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Cop\_Id | char(36) | No |  | Primary |  | ID of Copy |
| Book\_ISBN | varchar(13) | No |  | Foreign |  | ISBN of Book |
| Cop\_Status | bit | No | 1 |  |  | Status of Copy |
| Cop\_isDeleted | bit | No | 0 |  |  | Record status is deleted or not |

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| **Orders** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Order\_Id | char(36) | No | newid() | Primary |  | ID of Order |
| Mem\_Id | char(36) | No |  | Foreign |  | ID of Member |
| Order\_CreateDate | datetime | No | getdate() |  |  | Create date of Order |
| Order\_DueDate | datetime | No |  |  |  | Due date of Order |

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| **OrderDetails** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| OrderDetail\_Id | char(36) | No | newid() | Primary |  | ID of OrderDetail |
| Order\_Id | char(36) | No |  | Foreign |  | ID of Order |
| Cop\_Id | varchar(16) | No |  | Foreign |  | ID of Copy |
| OrderDetail\_Status | bit | No | 0 |  |  | Status of OrderDetail |
| OrderDetail\_ReturnDate | datetime |  |  |  |  | Return date of OrderDetail |
| OrderDetail\_isDeleted | bit | No | 0 |  |  | Record status is deleted or not |

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| **Fines** | | | | | | |
| **Column Name** | **Data Type** | **Allow Null** | **Default Value** | **Key** | **Validation** | **Description** |
| Fine\_Id | char(36) | No | newid() | Primary |  | ID of Fine |
| OrderDetail\_Id | char(36) | No |  | Foreign |  | ID of OrderDetail |
| Fine\_Amount | money | No |  |  | >=0 | Amount money of Fine |
| Fine\_CreateDate | datetime | No | getdate() |  |  | Create of Fine |
| Fine\_PaidDate | datetime |  |  |  |  | Paid date of Fine |
| Fine\_Status | bit | No | 0 |  |  | Status of Fine |