|  |  |
| --- | --- |
| **Table** | Customer\_t |
| **ER Origin** | Strong Entity Customer |
| **Primary Key** | CID |
| **Foreign Keys** | **N/A** |
| **Uniqueness Constraint** | N/A |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Required?** | **Derived/Stored** | **Origin Entity** | **Origin Rel.** | **Origin Attr.** |
| CID | SERIAL | Yes | Stored | Customer |  | CID |
| CName | VARCHAR(30) | Yes | Stored | Customer |  | CName |
| Street | VARCHAR(50) | Yes | Stored | Customer |  | PermAddress |
| ZIP | VARCHAR(10) | Yes | Stored | Customer |  | PermAddress |
| City | VARCHAR(20) | Yes | Stored | Customer |  | PermAddress |
| CState | CHAR(2) | Yes | Stored | Customer |  | PermAddress |

|  |  |
| --- | --- |
| **Table** | Reservation\_t |
| **ER Origin** | Assoc. En. Reservation |
| **Primary Key** | ResID |
| **Foreign Keys** | CID references Customer.CID,  RID references Room.RoomNum |
| **Uniqueness Constraint** | N/A |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Required?** | **Derived/Stored** | **Origin Entity** | **Origin Rel.** | **Origin Attr.** |
| ResID | SERIAL | Yes | Stored | Reservation |  | ResID |
| CID | INTEGER | Yes | Stored | Customer | Makes | CID |
| RID | INTEGER | Yes | Stored | Room | Contains | RoomNum |
| CheckInDate | DATE | Yes | Stored | Reservation |  | ResStay |
| CheckOutDate | DATE | Yes | Stored | Reservation |  | ResStay |
| [DaysIn] | NUMERIC(3,0) | Yes | Derived | Reservation |  | CheckInDate, CheckOutDate |
| [BillAmt] | NUMERIC(6,2) | Yes | Derived | Reservation | Contains | DaysIn, Type.TypePrice |

|  |  |
| --- | --- |
| **Table** | Room\_t |
| **ER Origin** | Strong Entity Room |
| **Primary Key** | RoomNum |
| **Foreign Keys** | **N/A** |
| **Uniqueness Constraint** | N/A |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Required?** | **Derived/Stored** | **Origin Entity** | **Origin Rel.** | **Origin Attr.** |
| RoomNum | INTEGER | Yes | Stored | Room |  | RoomNum |
| RoomType | VARCHAR(10) | Yes | Stored | Room |  | RoomType |

|  |  |
| --- | --- |
| **Table** | Type\_t |
| **ER Origin** | Strong Entity Type |
| **Primary Key** | TName |
| **Foreign Keys** | N/A |
| **Uniqueness Constraint** | N/A |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Required?** | **Derived/Stored** | **Origin Entity** | **Origin Rel.** | **Origin Attr.** |
| TName | VARCHAR(10) | Yes | Stored | Type | Has | RoomType |
| TPrice | NUMERIC(6,2) | Yes | Stored | Type |  | TPrice |
| [Popularity] | NUMERIC(3,0) | No | Derived | Type |  | Popularity |