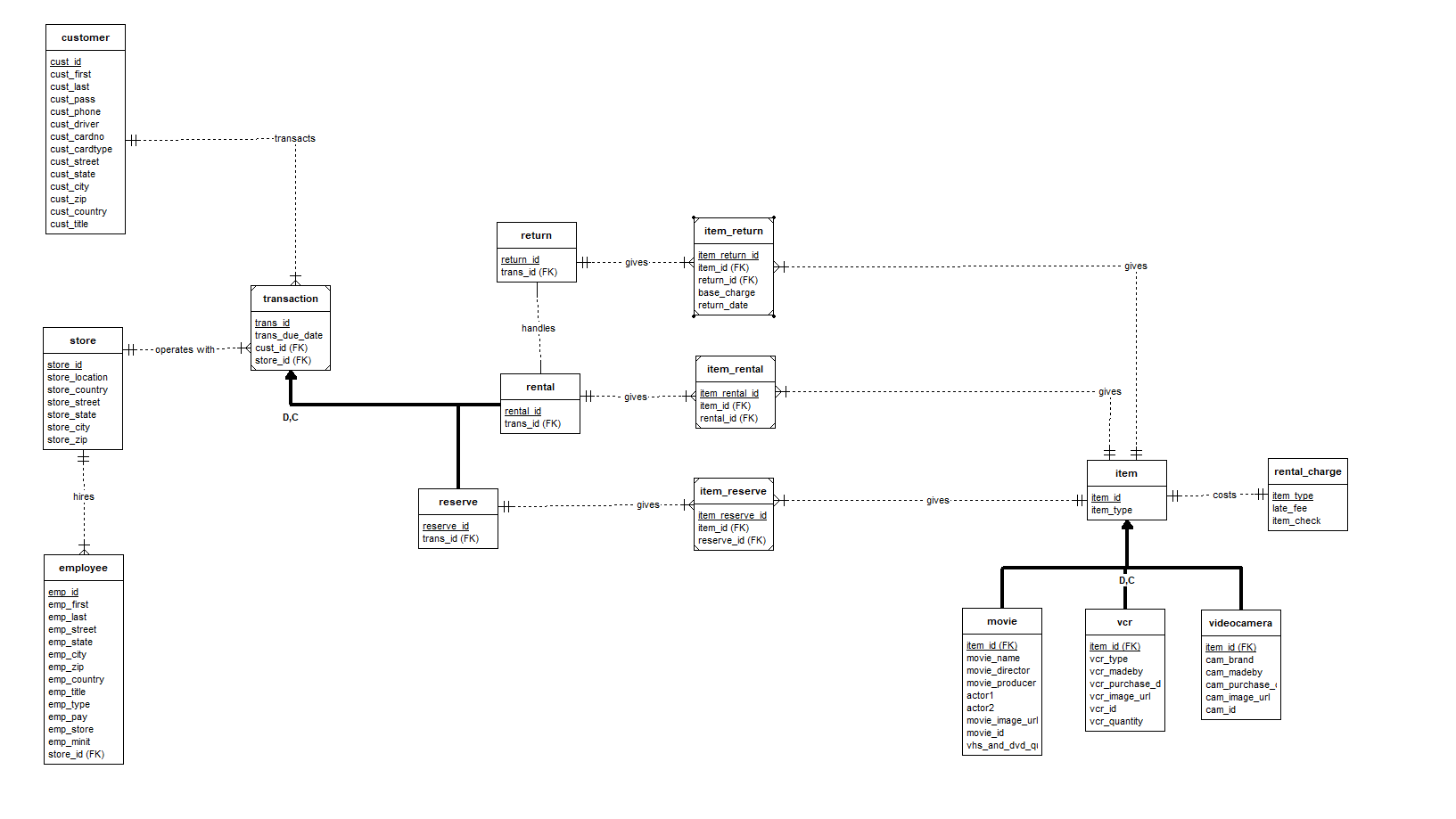
Submission Template

Entity Relationship Diagram



Database Diagram  
Diagram, schematic

Description automatically generated

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table | Purpose | Field | Data Type | Primary Key | Foreign Key |
| Customer | Record all customer info | cust\_id  cust\_first  cust\_last  cust\_pass  cust\_phone  cust\_driver  cust\_cardno  cust\_cardtype  cust\_country  cust\_state  cust\_city  cust\_zip  cust\_street  cust\_title | int  nvarchar(50)  nvarchar(50)  nvarchar(50)  nchar(10)  nvarchar(50)  nchar(16)  nvarchar(50)  nvarchar(50)  nchar(2)  nvarchar(50)  nchar(5)  nvarchar(50)  nvarchar(50) | cust\_id | NIL |
| Store | Record store info | store\_id  store\_country  store\_state  store\_city  store\_street  store\_zip | int  nvarchar(255)  nchar(2)  nvarchar(50)  nvarchar(50)  nchar(5) | store\_id | NIL |
| Employee | Record all employee info | emp\_id  emp\_first  emp\_last  emp\_country  emp\_state  emp\_city  emp\_zip  emp\_street  emp\_type  emp\_pay  emp\_title  emp\_store | int  nvarchar(50)  nvarchar(50)  nvarchar(50)  nchar(2)  nvarchar(50)  nchar(5)  nvarchar(50)  nvarchar(50)  decimal(6,2)  nvarchar(50)  int | emp\_id | emp\_store references Store (store\_id) |
| Transaction | Store transaction info | trans\_id  trans\_date  trans\_cust  trans\_store | int  datetime  int  int | trans\_id | trans\_cust references Customer (cust\_id)  trans\_store references Store (store\_id) |
| Rental | Store transaction info pertaining to rentals | rental\_id  transaction\_id | int  int | rental\_id | transaction\_id references Transaction  (trans\_id) |
| Reserve | Stores transaction info pertaining to reserving of items | reserve\_id  transaction\_id | int  int | reserve\_id | transaction\_id references Transaction  (trans\_id) |
| Return | Stores rental info pertaining to return of items | return\_id  rentalid | int  int | return\_id | rentalid references Rental (rental\_id) |
| item\_return | Junction table for storing item info and return info | item\_return\_id  base\_charge  return\_date  itemid  returnid | int  decimal(4,2)  datetime  int  int | item\_return\_id | itemid references Item  (item\_id)  returnid references Return  (return\_id) |
| item\_rental | Junction table for storing item info and rental info | item\_rental\_id  itemid  rentalid | int  int  int | item\_rental\_id | itemid references Item  (item\_id)  rentalid references Rental  (rental\_id) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| item\_reserve | Junction table for storing item info and reserve info | item\_reserve\_id  itemid  reserveid | int  int  int | item\_reserve\_id | itemid references Item  (item\_id)  reserveid references Reserve  (reserve\_id) |
| Item | Storing referenced item info and item type | item\_id  item\_type | int  nvarchar(50) | item\_id | item\_type references rental\_charge (item\_type) |
| Movie | Stores movie information and quantity | itemid  movie\_name  movie\_producer  actor1  actor2  movie\_image\_url  vhs\_and\_dvd\_quantity  moveie\_id | int  nvarchar(250)  nvarchar(50)  nvarchar(50)  nvarchar(50)  nvarchar(50)  int  int | itemid | itemid references Item (item\_id) |
| VCR | Stores VCR information and quantity | itemid  vcr\_type  vcr\_brand  vcr\_madeby  vcr\_purchase\_date  vcr\_image\_url  vcr\_quantity  vcr\_id | int  nvarchar(50)  nvarchar(50)  nvarchar(50)  datetime  nvarchar(50)  int  int | itemid | itemid references Item (item\_id) |
| videocamera | Stores video camera information and quantity | itemid  cam\_brand  cam\_madeby  cam\_purchase\_date  cam\_image\_url  cam\_quantity  cam\_id | int  nvarchar(50)  nvarchar(50)  datetime  nvarchar(50)  int  int | itemid | itemid references Item (item\_id) |
| rental\_charge | Stores late charge info based on item type | item\_type  item\_check  late\_fee | nvarchar(50)  nvarchar(50)  decimal(4,2) | item\_type | NIL |

Queries

|  |  |
| --- | --- |
| Query 1 | Query 1 Results |
|  |  |
| Query 2 i | Query 2i results |
|  |  |

|  |  |
| --- | --- |
| Query 2 ii | Query 2 ii Results |
|  |  |
| Query 3 | Query 3 Results |
|  |  |

|  |  |
| --- | --- |
| Query 4 | Query 4 Results |
|  |  |
| Query 5 | Query 5 Results |
|  |  |

|  |  |
| --- | --- |
| Query 6 | Query 6 Results |
|  |  |