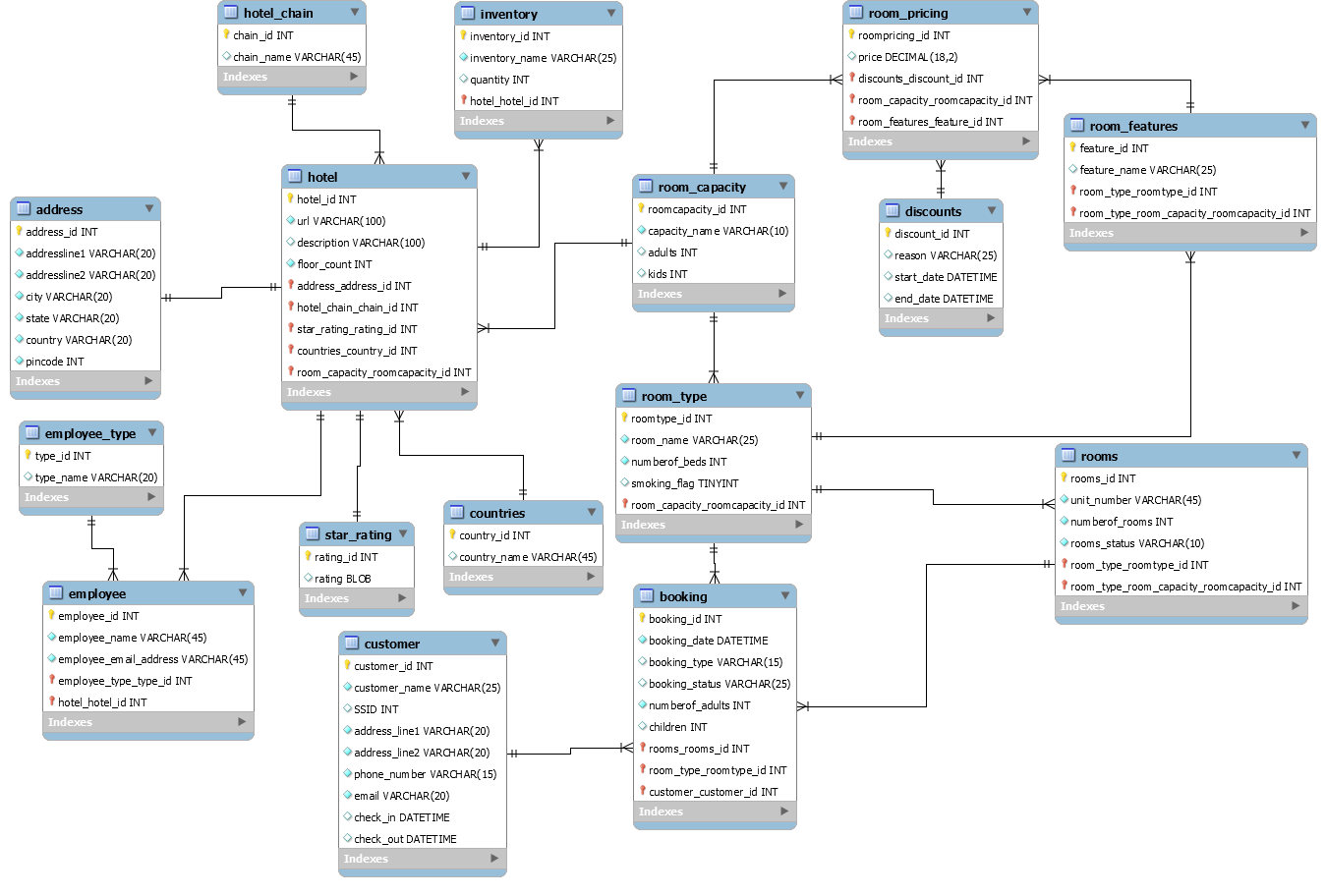
***HOTEL MANAGEMENT SYSTEM***

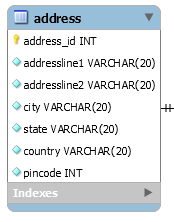


Enhanced Entity–Relationship

* Number of Tables: 16.
* Following are the names of the Tables:
* **countries**
* **room\_features**
* **hotel\_chain**
* **inventory**
* **star\_rating**
* **address**
* **discounts**
* **hotel**
* **room\_capacity**
* **booking**
* **room\_pricing**
* **rooms**
* **employee\_type**
* **customer**
* **room\_type**
* **employee**

|  |  |  |
| --- | --- | --- |
| TABLE NAME | PRIMARY KEY | FOREIGN KEY(S) |
| countries | country\_id | --- |
| room\_features | feature\_id | --- |
| hotel\_chain | chain\_id | --- |
| inventory | inventory\_id | hotel\_hotelid |
| star\_rating | rating\_id | --- |
| address | address\_id | --- |
| discounts | discount\_id | --- |
| hotel | hotel\_id | country\_countryid, room\_capacity\_roomcapacity\_id, address\_address\_id, star\_rating\_rating\_id, hotel\_chain\_chain\_id |
| room\_capacity | roomcapacity\_id | --- |
| booking | booking\_id | customer\_customer\_id, rooms\_rooms\_id,  room\_type\_roomtype\_id |
| room\_pricing | roompricing\_id | discounts\_discount\_id, room\_capacity\_roomcapacity\_id, room\_features\_feature\_id |
| rooms | room\_id | Room\_type\_roomtype\_id, room\_type\_room\_capacity\_roomcapacity\_id |
| employee\_type | type\_id | --- |
| customer | customer\_id | --- |
| room\_type | roomtype\_id | room\_capacity\_roomcapacity\_id |
| employee | employee\_id | employee\_type\_type\_id, hotel\_hotel\_id |

**Each table attributes explanation:**

****

**Address:** Used to store address details

**Address\_ID:** used to represent unique hotel address

**AddressLine1:** used to store address line1

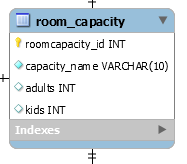
**AddressLine2:** used to store address line2

**City:** used to store city

**State:** used to store state

**Country:** used to store country

**PinCode:** used to store pin code details



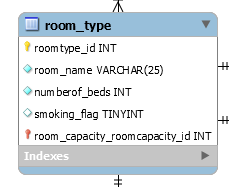
**Room\_Capacity Table:** It is used to store room capacity details

**RoomCapacity\_ID:** Used to store unique of room capacity information

**Capacity\_Name:** Used to store total capacity details

**Adults:** Used to store number of adults in room

**Kids:** Used to store number of kids in room



**Room\_Type:** It is used to store room category details

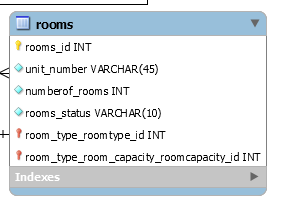
**RoomType\_ID:** It is unique representation of room type

**Room\_Name:** Used to store room name

**NumberOf\_Beds:** Used to store total beds in rooms

**Smoking\_Flag:** Used to store smoking allow in that room or not

**Room\_capacity\_roomcapacity\_ID:** used to represent capacity details. It is related with RoomCapacity table.

****

**Rooms:** Used to store rooms information

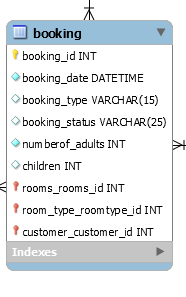
**Rooms\_Id:** Used to represent unique id of room

**Unit\_Number:** Used to store room door number

**NumberOf\_Rooms:** Used to store total rooms inside room

**Room\_Status:** Used to store room status like booked or not

**Room\_type\_roomtype\_ID:** Used to represent room type. It is related with RoomType.



**Booking:** Used to store hotel booking information

**Booking\_ID:** used to represent unique booking

**Customer\_customer\_ID:** used to store booked customer details. It is related with Customer table

**Booking\_Date:** used to store booking start date

**Booking\_Type:** used to store booking end date

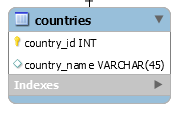
**Booking\_Status:** used to store booking status

**Rooms\_rooms\_Id:** used to represent booked room. It is related with Room table

**Room\_Type\_roomtype\_ID:** used to represent booked room type. It is related with RoomType table

**NUmberOf\_Adults:** used to store total adults in booking

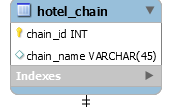
**Children:** used to store total kids in booking.

****

**Countries Table**: It is used to store countries information

**Country\_ID:** It is unique representation of country

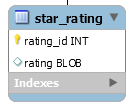
**Country\_Name:** It is used to store country name

****

**HotelChain Table:** It is used to store hotel chain information

**Chain\_ID:** It is used to store hotel chain unique id

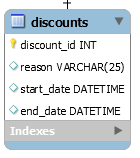
**Chain\_Name:** It is used to store Hotel Chain Name

****

**Start\_Rating Table:** It is used to store rating information

**Rating\_ID:** It is unique representation of rating id

**Rating:** It is used to store rating image



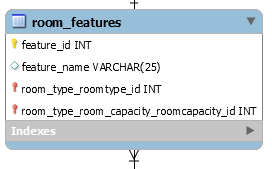
**Discounts Table:** It is used to store Discount information

**Discount\_ID: It** is unique representation of discounts

**Reason:** Used to store discount reason information

**Start\_Date:** It is used to store discount start date

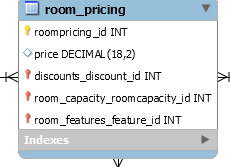
**End\_Date:** It is used to store discount end date



**Room\_Features:** Used to store hotel rooms facility details

**Feature\_ID:** Used to representation unique id of feature

**Feature\_Name:** used to store facility name, description.



**Room\_Pricing:** It is used to store room prices details

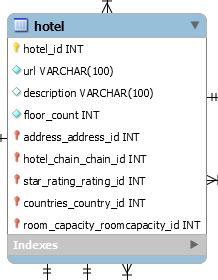
**RoomPrice\_ID:** Used to unique representation of room price

**Price:** used to store room price

**Discount\_discount\_Id:** used to represent discount of that room. It is related with discount table

**Room\_capacity\_roomcapacity\_ID:** used to represent capacity details. It is related with RoomCapacity table

**Room\_features\_feature\_id:** Used to represent features details. It is related with Features table

****

**hotel:** used to store hotel information

**hotel\_id:** used to represent unique hotel

**countries\_country\_id:** used to represent hotel located in country. It is related with country table

**hotel\_chain\_chain\_id:** used to store hotel chain details. It is related with HotelChain table

**URL:** used to store hotel url

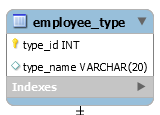
**description:** used to store more hotel details

**floor\_count:** used to store total floors in hotel

**star\_rating\_rating\_id:** used to represent ration of hotel. It is related with Rating table

**room\_capacity\_roomcapcity\_ID:** used to represent room capacity in hotel. It is related with RoomCapacity table

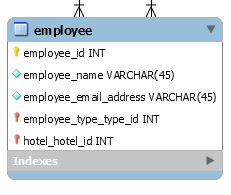
**address\_address\_ID:** It used to represent hotel address. It is related with Address table

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**Employee\_Type:** Used to store hotel employees details

**Type\_ID:** used to represent unique employee type id

**Type\_Name:** used to store employee category

****

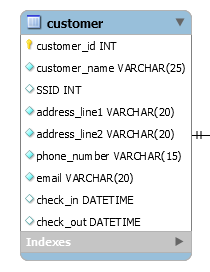
**Employee:** Used to store employees details

**Employee\_ID:** used to represent unique employee id

**Hotel\_hotel\_ID:** used to store employee working in hotel. It is related with Hotel table

**Employee\_Name:** used to store employee name

**Employee\_type\_Type\_ID:** used to represent employee type. It is related with EmployeeType table



**Customer:** Used to store customer details

**Customer\_ID:** used to represent unique customer id

**Customer\_Name:** used to store customer name

**SSID:** used to store customer unique id in hotel

**Address\_Line1:** used to store customer address line1

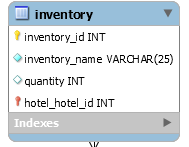
**Address\_Line2:** used to store customer address line2

**Phone\_Number:** used to store customer phone number

**Email:** used to store customer email

**Check\_In:** used to store customer check in date

**Check\_Out:** used to store customer check out date



**Inventory:** used to store hotel inventory details

**Inventory\_ID:** used to represent unique of inventory

**Inventory\_Name:** used to store inventory name

**Hotel\_hotel\_ID:** used to reperesnt inventory of hotel. It is related with Hotel table

**Quantity:** used to store total inventory of hotel**.**