

SUPRAS (ver 4.2)

Customers write reviews about their experience in general, not with a specific time they valeted their car. A customer may write many or no reviews.

ReviewRating can only be numbered 1 through 5 or NULL, enforced by trigger

Review		
PK,FK1	ReviewID	int
	ReviewText	varchar(max)
	ReviewRating	tinyint
	Flag	char(1)

Valid Flag:  
L- look into  
V- taken care of  
X- not applicable

If ReviewRating = 1, then  
Flag is set to L, enforced  
by trigger

Discount		
PK	DiscountCode	char(1)
	DiscountDescription	varchar(50)
	DiscountPercent	decimal(2,2)

A particular ValetID may have none to many discount codes associated with it. Each discount may be associated with one or more ValetIDs, i.e. many people can use a local coupon from the paper and they will all have the same percent, description and code.

LotParkingSpots		
PK,FK1	LotID	tinyint
PK,FK2	SpotID	tinyint
	SpotNo	tinyint

SpotAmenityLookup		
PK,FK1,FK3	SpotID	tinyint
PK,FK2	SpotAmenityID	tinyint

Customer		
PK	CustomerID	int
	CustomerFirst	varchar(50)
	CustomerLast	varchar(50)
	CustomerAddress	varchar(200)
	CustomerCity	varchar(5)
	CustomerState	char(2)
	CustomerPostalCode	varchar(10)
	CustomerCountry	varchar(20)
	CustomerPhone	varchar(20)
	CusomerEmail	varchar(200)

ValetReview		
PK,FK3	ReviewID	int
FK4	CustomerID	int

If ValetTimeIn or  
ValetTimeOut is in peak  
hours, convenience fee is  
applied, enforced by trigger

SpotNo must not be  
already occupied,  
enforced by trigger

Specific cars get  
upgraded CarCare,  
enforced by trigger

ValetDiscount		
PK,FK1	DiscountCode	char(1)
PK,FK2	ValetID	int

Valid LotType:  
M – Motorcycle  
A – Any Vehicle

Lot		
PK	LotID	tinyint
	LotName	varchar(20)
	LotCapacity	tinyint
	PropertyID	smallint
	LotType	char(1)
	LotPrice	smallmoney

LotID 4 and ValetDays >= 3 gets  
upgraded CarCare, enforced by  
trigger

Cars cannot be put  
into motorcycle lots,  
enforced by trigger

Valet		
PK,FK3	ValetID	int
FK2	CCPackageID	tinyint
FK1	LotID	tinyint
	ValetTimeIn	smalldatetime
	ValetTimeOut	smalldatetime
FK4	CustomerID	int
	CarMake	varchar(25)
	CarModel	varchar(25)
	IsMotorcycle	char(1)
	ValetStatus	char(1)
	SpotID	tinyint

Valid ValetStatus:  
A – Active  
C – Complete  
X - Cancelled

PROPERTY		
PK	PropertyID	smallint
	PropertyName	varchar(50)
	PropertyAddress	varchar(200)
	PropertyCity	varchar(50)
	PropertyState	char(2)
	PropertyPostalCode	varchar(10)
	PropertyCountry	varchar(20)
	PropertyPhone	varchar(20)
	PropertyMgmtFee	decimal(4,2)
	PropertyWebAddress	varchar(100)
FK1	TaxLocationID	smallint

SpotAmenity		
PK	SpotAmenityID	tinyint
	SpotAmenityDescription	varchar(50)

Every CarCarePackage is set up to come with certain amenities. These amenities may be changed at a later date if management cares to do so. The price of each package is calculated by adding up all the amenities in a package. Packages are not customizable, they are set and customers cannot add or omit services, it's all or nothing.

CAR CARE PACKAGES ARE A ONE TIME CHARGE, not daily charge

CarCarePackage		
PK	CCPackageID	tinyint identity
	CCPackageName	varchar(50)

If CCPackageID INSERTED is  
NULL, change to 5 for no  
CCPackageID, enforced by  
trigger

CCPackageAmenity		
PK,FK2	CCPackageID	tinyint
PK,FK3	CAmenityID	tinyint

consists of

CAmenity		
PK,FK1	CAmenityID	tinyint
	CAmenityDescription	varchar(100)
	CAmenityPrice	smallmoney

A ValetID can be thought of as a valet ticket. A customer can valet a car, only one car. The customer will be charged for the lot they are in as well as the CarePackage they choose. The care package information pricing is given to the above the CarCarePackage table.

Each car is given a spot, which is within a lot. The spot can have different amenities within the lot. The lots are found in different locations, hence, is linked with the Property table in TRAMS.

Each spot can be covered or uncovered, as well as have other characteristics. These are the amenities of that spot. Spots with better amenities cost more, and therefore the cost for a particular spot is derived by summing all of the amenities' prices. This gives the lot price BY DAY.