

### User

Name	Data Type	Constraints	Key	Description	Example Value
User ID	int	> 0	PK	Unique identifier for a User	12345
User Name	nvarchar(100)	not null		First and Last Name of a User	Dan Brown
User Date Of Birth	date	not null		Date of Birth of a User	4/23/1992
User Email Address	varchar(50)	not null,Unique		Email Address of a User	<a href="mailto:dan.brown@example.com">dan.brown@example.com</a>
User Phone Num	char(10)	not null		Cell Phone Number of a User	6194456654
User Address	varchar(150)			Mailing Address of a User	9115 Judicial Drive San Diego CA 92122
User Type	varchar(1)	('C','O')		Discriminator for user type, Customer('C') or Owner('O')	O

### User\_Customer

Name	Data Type	Constraints	Key	Description	Example Value
C User ID	int	> 0	PK,FK	Unique identifier for a Customer User	12345
Customer Driver's License Number	nvarchar(10)			ID information of a Customer User(Passport or Driver's License Number)	ABC1234

### User\_Owner

Name	Data Type	Constraints	Key	Description	Example Value
O User ID	int	> 0	PK,FK	Unique identifier for a Owner User	12345
Owner Business Permit Num	nvarchar(10)			License Number for a Owner issued by the government to run the business	1AA235466

### Login

Name	Data Type	Constraints	Key	Description	Example Value
Login Username	varchar(15)	not null	PK	Unique identifier for a User Login;Username created by user to login to the application.	mr_desh123
Login Password	varchar(15)	not null, >=8		Password created by user to login to the application.	<a href="#">mr@desh1</a>

User ID	int	> 0	FK	Unique identifier for a User	12345
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### Grievance

Name	Data Type	Constraints	Key	Description	Example Value
Grievance ID	int	>0	PK	Unique identifier for a Grievance reported by User	12345
Grievance Registered Date	datetime	not null		Date and time the grievance was registered	10/24/2017
Grievance Description	nvarchar(max)	not null		Description of the Grievance	Payment deducted twice.
Grievance Resolution Date	datetime			Date and time the grievance was resolved	Payment refunded.
GrievanceStatus	nvarchar(25)	New','Resolved','In Progress'		Status of the complaint registered	New
User ID	int	> 0	FK	Unique identifier for a User	12345

### RestArea

Name	Data Type	Constraints	Key	Description	Example Value
RestArea ID	int	>0	PK	Unique identifier for the Rest Area.	12345
RestArea Address	varchar(150)	not null		Location of a Rest Area	8148 Genesee Ave San Diego CA 92122
RestArea Photo	varbinary			Pictures of the RestArea	
RestStopUsageFee	decimal(5,2)			Flat Fee set by the RestStop owner for each reservation per 15 mins.	5.00
OUserID	int	> 0	FK	Unique identifier for a Owner User	12345

### Reservation

Name	Data Type	Constraints	Key	Description	Example Value
ReservationID	int	>0	PK	Unique identifier for the Reservation.	12345
Reservation Checkin DateTime	datetime	not null		Date and time of the start of reservation.	10/11/2017 16:00
Reservation Checkout DateTime	datetime	not null		Date and time of the end of reservation.	10/11/2017 17:00
ReservationGuestNum	int(1)	>0 and <=4		Number of Guests that use a reservation.	1
CUserID	int	> 0	FK	Unique identifier for a Customer User	12345
RestArea ID	int	>0	FK	Unique identifier for the Rest Area.	12345

**BusinessVerification**

Name	Data Type	Constraints	Key	Description	Example Value
BusinessVerificationID	int	>0	PK	Unique identifier for the Verified Business.	12345
BusinessVerifiedDate	datetime			Date the status was changed to verified.	Property ownership documents.
BusinessVerificationDoc	varchar(max)			Documents sent by business owner for getting his business verified.	Verified
BusinessVerificationExpiryDate	datetime			Date the status will expire.	10/11/2018 0:00
BusinessVerificationStatus	varchar(50)	('Verified','Not Verified','Pending Verification')		Verification Status of the Business Owner	10/11/2017 0:00
OUserID	int	> 0	FK	Unique identifier for a Owner User	12345
RestArea ID	int	>0	FK	Unique identifier for the Rest Area.	12345

**Review**

Name	Data Type	Constraints	Key	Description	Example Value
Review ID	int	>0	PK	Unique identifier for a Review given by a Customer	12345
ReviewRating	decimal(2,1)			Rating given by a Customer for the RestArea.	3.5
ReviewDescription	varchar(max)			Review Description by a Customer for the RestArea.	Terrible Service!
ReviewDate	datetime			Date on which the review was given.	11/10/2016
C User ID	int	> 0	FK	Unique identifier for a Customer User	12345
RestArea ID	int	>0	FK	Unique identifier for the Rest Area.	12345

**Facilities**

Name	Data Type	Constraints	Key	Description	Example Value
Facility ID	int	>0	PK	Unique identifier for a Facility in a reststop.	12345
Facility Name	varchar(25)			Name of the Facility	Locker

Facility Description	varchar(max)			Description of the Facility	Locker is available in a standard size.
Facility AvailabilityStatus	varchar(15)	('Available','Not Available')		Availability Status of the Facility in the Rest Area.	Not Available
RestArea ID	int	>0	FK	Unique identifier for the Rest Area.	12345

#### Invoice

Name	Data Type	Constraints	Key	Description	Example Value
Invoice ID	int	>0	PK	Unique identifier for the Invoice	12345
Invoice GeneratedDate	date			Date of invoice generation.	2/6/2017
Invoice TotalAmount	decimal(4,2)	>0,<=999		Total Amount to be billed to the user.	25.3
Reservation ID	int	>0	FK	Unique identifier for the Reservation.	12345

#### Payment

Name	Data Type	Constraints	Key	Description	Example Value
Payment ID	int	>0	PK	Unique identifier for the payment	12345
Payment BillingAddress	varchar(150)			Billing Address of a User	9115 Judicial Drive San Diego CA 92122
PaymentType	varchar(2)	('CC','CH','P')		Discriminator for the Payment Type	CC
Invoice ID	int	>0	FK	Unique identifier for the Invoice	12345
C User ID	int	> 0	FK	Unique identifier for a Customer User	12345

#### Payment\_CreditCard

Name	Data Type	Constraints	Key	Description	Example Value
CCPayment ID	int	>0	PK,FK	Unique identifier for the credit card type payment	12345
PaymentCardName	nvarchar(100)	not null		Name on the Card	Dan Brown
PaymentCardNumber	varchar(16)	not null		Card Number	4352-1234-1234-3434
PaymentCardExpirationMonth	char(2)	not null, >=1,<=12		Card Expiration Month	10
PaymentCardExpirationYear	char(4)	not null,>sysdate		Card Expiration Year	2019
PaymentCardType	nvarchar(15)	('visa','mastercard','discover','amex')		Type of card used to make payment	Visa

PaymentStatus	nvarchar(15)	('Success','Failure')		Status of the credit card payment transaction	Success
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#### Payment\_Cash

Name	Data Type	Constraints	Key	Description	Example Value
CHPaymentID	int	>0	PK,FK	Unique identifier for the cash type payment	12345
PaymentCashCurrency	nvarchar(3)	USD'		Currency in which the cash payment was made	USD
PaymentCashAmountPaid	decimal(4,2)	>0		Total amount paid by the customer in cash	20.00
PaymentCashBalanceReturned	decimal(4,2)			Balance amount returned to the customer	5.00

#### Payment\_PayPal

Name	Data Type	Constraints	Key	Description	Example Value
PPayment ID	int	>0	PK,FK	Unique identifier for the cash type payment	12345
PaymentTransactionID	nvarchar(12)			Transaction ID for the payment	VADE0B248932

#### Receipt

Name	Data Type	Constraints	Key	Description	Example Value
Receipt ID	int	>0	PK	Unique identifier for the cash type payment	12345
ReceiptGeneratedDate	datetime			Date of generation of receipt	4/23/17 0:00
Receipt Requested	nvarchar(3)	('Yes','No')		Request status of customer for the receipt	Yes
Receipt Issue Type	nvarchar(15)	('Email','Print','Text')		user preference of receiving the receipt	Print
Payment ID	int	>0	FK	Unique identifier for the payment	12345
Reservation ID	int	>0	FK	Unique identifier for the Reservation.	12345