

Assignment 1 – Speeding Ticket Database Design

Data Dictionary

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User

Key	Name	Type	Size	Default	Description	Sample Data
PK	UserID	INT	11	IDENTIFY	Unique sequential integer.	123456
-	FirstName	NVARCHAR	32	-	User's first name.	Laercio
-	LastName	NVARCHAR	32	-	User's last name.	Silva
-	Photo	IMAGE	-	NULL	User's ID photo.	<i>image.jpg</i>
-	PhoneNumber	SMALLINT	11	-	User's phone number.	17828821234
-	EmailAddress	NVARCHAR	32	-	User's email address.	laercio@gmail.com
-	BirthDate	DATETIME	-	-	User's birth date.	1991-03-09
-	Username	NVARCHAR	32	-	User's username to access.	LaercioSilva
-	Password	NVARCHAR	32	-	User's password to access.	Example@123

Staff

Key	Name	Type	Size	Default	Description	Sample Data
PK	StaffID	INT	11	IDENTIFY	Unique sequential integer.	123456
-	FirstName	NVARCHAR	32	-	Staff's first name.	John
-	LastName	NVARCHAR	32	-	Staff's last name.	Seinfeld
-	Photo	IMAGE	-	NULL	Staff's ID photo.	<i>image.jpg</i>
-	PhoneNumber	SMALLINT	11	-	Staff's phone number.	17828829876
-	EmailAddress	NVARCHAR	32	-	Staff's email address.	john_s@staff.com
-	BirthDate	DATETIME	-	-	Staff's birth date.	1985-11-01

Key	Username	NVARCHAR	32	Default	Staff's username to access.	John Seinfeld
-	Password	NVARCHAR	32	-	Staff's password to access.	Otherexample987!

Hardware

Key	Name	Type	Size	Default	Description	Sample Data
PK	HardwareID	INT	11	IDENTIFY	Unique sequential integer.	123456
-	Description	NVARCHAR	80	-	Hardware description.	Mouse Optical USB
-	Category	NVARCHAR	32	-	Hardware category.	Mouse
-	Brand	NVARCHAR	32	-	Hardware brand.	Razer
-	AcquisitionDate	DATETIME	-	-	Hardware acquisition date.	2018-11-15
-	WarrantyDate	DATETIME	-	-	Hardware warranty date.	2019-11-15
-	SerialCode	NVARCHAR	32	-	Hardware serial code.	MOU58768524A

Category

Key	Name	Type	Size	Default	Description	Sample Data
PK	CategoryID	INT	11	IDENTIFY	Unique sequential integer.	123456
-	Description	NVARCHAR	32	-	Category description.	Software - MS Office
-	SLA	NVARCHAR	32	-	Category SLA.	Medium Priority

Ticket

Key	Name	Type	Size	Default	Description	Sample Data
PK	TicketID	INT	11	IDENTIFY	Unique sequential integer.	123456
-	Description	NVARCHAR	255	-	Ticket description.	Mouse doesn`t work...
-	StartDate	DATETIME	-	-	Ticket start date.	2020-01-26 14:12:20

Key -	Name SLA	Type DATETIME	Size -	Default -	Description Ticket SLA date.	Sample Data 2020-01-28 14:12:20
-	Status	NVARCHAR	32	-	Ticket status.	Closed
-	EndDate	DATETIME	-	NULL	Ticket end date.	2020-01-27 09:47:00
FK	UserID	INT	11	NULL	User ID (from User)	123456
FK	StaffID	INT	11	-	Staff ID (from Staff)	123456
FK	CategoryID	INT	11	-	Category ID (from Category)	123456
FK	HardwareID	INT	11	NULL	Hardware ID (from Hardware)	123456

Comment

Key	Name	Type	Size	Default	Description	Sample Data
PK	CommentID	INT	11	IDENTIFY	Unique sequential integer.	123456
-	Description	NVARCHAR	255	-	Comment description.	I called the user but...
-	Date	DATETIME	-	-	Comment creation date.	2020-01-26 15:10:50
FK	TicketID	INT	11	-	Ticket ID (from Ticket)	123456
FK	UserID	INT	11	NULL	User ID (from User)	123456
FK	StaffID	INT	11	NULL	Staff ID (from Staff)	123456