Data Dict

AUTOMOBILE			
Name	Data Type	Constraints	Key
AutomobileVIN	varchar	>0	PK
AutomobileYear	int		
AutomobileMake	varchar		
AutomobileModel	varchar		
CustomerID	numeric	>0	FK
CONSUMPTION			
Name	Data Type	Constraints	Key
RepairID	numeric	>0	PK
PartID	numeric	>0	PK
PartConsumptionDate	date		
PartQuantityConsumer	varchar		
CUCTOMED			
CUSTOMER	Data Trees	Cometure!ust-	V
Name Customer D	Data Type	Constraints	Key
CustomerID	numeric	>0	PK
CustomerName CustomerPhoneNumber	varchar		
CustomerPhoneNumber CustomerAddress	bigint varchar		
CustomerAddress	ValCilal		
EMPLOYEE			
Name	Data Type	Constraints	Key
EmployeeID	numeric	>0	PK
EmployeeName	varchar		
EmployeePhoneNumber	bigint		
EmployeeDateHired	date		
EmployeeType	varchar		
EQUIPMENT			
Name	Data Type	Constraints	-
Name EquipmentID	numeric	Constraints >0	Key PK
Name EquipmentID EquipmentDescription	numeric varchar		-
Name EquipmentID EquipmentDescription EquipmentManufacturer	numeric varchar varchar		Key PK
Name EquipmentID EquipmentDescription	numeric varchar		•
Name EquipmentID EquipmentDescription EquipmentManufacturer EquipmentModel	numeric varchar varchar		•
Name EquipmentID EquipmentDescription EquipmentManufacturer EquipmentModel EQUIPMENT REQUIREMENT	numeric varchar varchar varchar	>0	PK
Name EquipmentID EquipmentDescription EquipmentManufacturer EquipmentModel	numeric varchar varchar		-

п	n	ıt

EquipmentHoursRequired	int		
EQUIPMENT UTILIZED			
Name	Data Type	Constraints	Key
EquipmentID	numeric	>0	PK
RepairID	numeric	>0	PK
CheckinDateTime	datetime		
CheckoutDateTime	datetime		
TEmployeeID	numeric	>0	FK
MANAGER	D.1. T	0	17 -
Name	Data Type	Constraints	Key
MEmployeeID	numeric	>0	PK
RepairID	numeric	>0	PK
PART			
Name	Data Type	Constraints	Key
PartID	numeric	>0	PK
PartDescription	varchar		
PartUnitCost	numeric		
PartQuantityOnHand	int		
[
PART REQUIREMENT			
Mama	Data Type	Constraints	Key
Name			-
RepairEstimateID	numeric	>0	PK
RepairEstimateID PartID	numeric numeric		-
RepairEstimateID	numeric	>0	PK
RepairEstimateID PartID	numeric numeric	>0	PK
RepairEstimateID PartID PartQuantityRequired REPAIR	numeric numeric int	>0 >0	PK PK
RepairEstimateID PartID PartQuantityRequired	numeric numeric	>0	PK
RepairEstimateID PartID PartQuantityRequired REPAIR Name	numeric numeric int Data Type	>0 >0	PK PK Key
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID	numeric numeric int Data Type numeric	>0 >0	PK PK Key
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription	numeric numeric int Data Type numeric varchar	>0 >0	PK PK Key
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate	numeric numeric int Data Type numeric varchar date	>0 >0	PK PK Key
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount	numeric numeric int Data Type numeric varchar date numeric	>0 >0	PK PK Key
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount RepairCompletionDate	numeric numeric int Data Type numeric varchar date numeric date date	>0 >0	PK PK Key
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount RepairCompletionDate RepairTotalAmount	numeric numeric int Data Type numeric varchar date numeric date int	>0 >0 Constraints >0	PK PK PK Key PK
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount RepairCompletionDate RepairTotalAmount CustomerID	numeric numeric int Data Type numeric varchar date numeric date int numeric	>0 >0 Constraints >0	PK PK PK Key PK
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount RepairCompletionDate RepairTotalAmount CustomerID AutomobileVIN RepairEstimateID	numeric numeric int Data Type numeric varchar date numeric date int numeric varchar	>0 >0 >0 Constraints >0 >0 >0	PK PK Key PK
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount RepairCompletionDate RepairTotalAmount CustomerID AutomobileVIN RepairEstimateID	numeric numeric int Data Type numeric varchar date numeric date int numeric varchar	>0 >0 >0 Constraints >0 >0 >0 >0	PK PK Key PK
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairCompletionDate RepairTotalAmount CustomerID AutomobileVIN RepairEstimateID REPAIR ESTIMATE Name	numeric numeric int Data Type numeric varchar date numeric date int numeric varchar numeric	>0 >0 Constraints >0 >0 >0 >0	PK PK Key PK FK FK FK FK
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairDepositAmount RepairCompletionDate RepairTotalAmount CustomerID AutomobileVIN RepairEstimateID REPAIR ESTIMATE Name RepairEstimateID	numeric numeric int Data Type numeric varchar date numeric date int numeric varchar numeric Data Type numeric	>0 >0 >0 Constraints >0 >0 >0 >0	PK PK Key PK
RepairEstimateID PartID PartQuantityRequired REPAIR Name RepairID RepairDescription RepairInitiationDate RepairCompletionDate RepairTotalAmount CustomerID AutomobileVIN RepairEstimateID REPAIR ESTIMATE Name	numeric numeric int Data Type numeric varchar date numeric date int numeric varchar numeric	>0 >0 Constraints >0 >0 >0 >0	PK PK Key PK FK FK FK FK

RepairEstimateCompletionDate	date		
CustomerID	numeric	>0	FK
AutomobileVIN	varchar	>0	FK
EmployeeID	numeric	>0	FK
SKILL			
Name	Data Type	Constraints	Key
SkillID	numeric	>0	PK
SkillName	varchar		
SkillDescription	varchar		
TEmployeeID	numeric	>0	FK
SKILL REQUIREMENT			
RepairEstimateID	numeric	>0	PK
SkillID	numeric	>0	PK
SkillHoursRequired	int		
TECHNICIAN			
Name	Data Type	Constraints	Key
TEmployeeID	numeric	>0	PK
RepairID	numeric	>0	PK
ShiftStartDateTime	datetime		
ShiftEndDateTime	datetime		

ionary

Description	Example Value	
vehicle identification number of car		12345
year automobile was made		2022
make of automobile	Honda	
model of automobile	Accord	
unique identifier for a customer		12345

Description	Example Value	
unique identifier for repair		12345
unique identifier for part		12345
date the part was used		5/22/22
person who consumed part	Barry McKockiner	

Description	Example Value
unique identifier for a customer	12345
name of customer	Wilma Boyardee
phone number of customer	4243336912
address of customer	1161A Benton St

Description	Example Value
unique identifier for employee	12345
name of employee	Barry McKockiner
phone number of employee	31069696969
date employee was hired	5/22/22
type of employee	Manager

Description	Example Value	
unique identifier for equipment		12345
description of equipment	wheel and tire	
manufacturer of equipment	Hitachi Construction	
model of equipment	Volvo CE	

Description	Example Value	
unique identifier for repair estimate		12345
unique identifier for equipment		12345

required	number	of	equipment	hours
required	Hallibel	\circ	Cquipilicit	110413

10 hours

Description	Example Value	
unique identifier for equipment		12345
unique identifier for repair estimate		12345
shifting the starting date time	5/22/22 1:00PM	
shifting the ending date time	5/22/22 2:00PM	
unique identifier for technician employee		12345

Description	Example Value	
unique identifier for manager employee		54691234
unique identifier for repair		12345

Description	Example Value	
unique identifier for part		12345
description of part	wheel and spoke	
unit cost of part		\$1,000
quantity available for part	400 units	

Description	Example Value	
unique identifier for repair estimate		12345
unique identifier for part		12345
quantity of part consumed	10 units	

Description	Example Value	
unique identifier for repair		12345
description of repair	blown gasket	
initiation date of repair	5/22/2022 1:00PM	
deposit amount for repair		\$1,000
completion date for repair	5/23/2022 1:00PM	
total amount of repair		\$6,969
unique identifier for a customer		12345
vehicle identification number of car		12345
associated repair estimate	blown gasket	

Description	Example Value	
unique identifier for repair estimate		12345
description of repair estimate	repair of tire	
amount of repair estimate		\$1,000

completion date of repair estimate	5/22/2022 1:00PM	
unique identifer for a customer		12345
vehicle identification number of car		12345
unique identifier for a repair		12345

Description	Example Value	
unique identifier for skill	12345	
name of the skill	Specialized repair	
description of the skill	repair of spokes and wheels	
unique identifier for technician employee	12345	

unique identifier for repair estimate		12345
unique identifier for skill		12345
required number of skill hours	10 hours	

Description	Example Value	
unique identifier for technician employee		12345
unique identifier for repair		12345
shifting the starting date time	5/22/22 1:00PM	
shifting the ending date time	5/22/22 2:00PM	