

## 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		

### CUSTOMER

Name	Data Type	Constraints	Key
CustomerID	numeric	>0	PK
CustomerName	varchar		
CustomerPhoneNumber	bigint		
CustomerAddress	varchar		

### EMPLOYEE

Name	Data Type	Constraints	Key
EmployeeID	numeric	>0	PK
EmployeeName	varchar		
EmployeePhoneNumber	bigint		
EmployeeDateHired	date		
EmployeeType	varchar		

### EQUIPMENT

Name	Data Type	Constraints	Key
EquipmentID	numeric	>0	PK
EquipmentDescription	varchar		
EquipmentManufacturer	varchar		
EquipmentModel	varchar		

### EQUIPMENT REQUIREMENT

Name	Data Type	Constraints	Key
RepairEstimateID	numeric	>0	PK
EquipmentID	numeric	>0	PK

EquipmentHoursRequired	int
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EQUIPMENT UTILIZED			
Name	Data Type	Constraints	Key
EquipmentID	numeric	>0	PK
RepairID	numeric	>0	PK
CheckinDateTime	datetime		
CheckoutDateTime	datetime		
TEmployeeID	numeric	>0	FK

MANAGER			
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			
Name	Data Type	Constraints	Key
RepairEstimateID	numeric	>0	PK
PartID	numeric	>0	PK
PartQuantityRequired	int		

REPAIR			
Name	Data Type	Constraints	Key
RepairID	numeric	>0	PK
RepairDescription	varchar		
RepairInitiationDate	date		
RepairDepositAmount	numeric		
RepairCompletionDate	date		
RepairTotalAmount	int		
CustomerID	numeric	>0	FK
AutomobileVIN	varchar	>0	FK
RepairEstimateID	numeric	>0	FK

REPAIR ESTIMATE			
Name	Data Type	Constraints	Key
RepairEstimateID	numeric	>0	PK
RepairEstimateDescription	varchar		
RepairEstimateAmount	numeric		

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		

## ictionary

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	10 hours
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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 identifier 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	