

Elamo Automobile Repair					
Data Dictionary					
TECHNICIAN'S WORK/TECHNICIAN					
Name	Data Type	Constraints	Key	Description	Example Value
RepairID	numeric	NOT NULL	PK	unique identifier of repair technician will work on	0002
TempoyeeID	numeric	NOT NULL	PK	unique identifier for technician employee	0004
technicianstartdateandtime	date			Date technician started position	2018-03-27
technicianenddateandtime	date			Date technician ended position	2018-03-29
EQUIPMENT UTILIZED					
Name	Data Type	Constraints	Key	Description	Example Value
EquipmentID	numeric	NOT NULL	PK	Unique identifier for equipment utilized in repair	006
RepairID	numeric	NOT NULL	PK	Unique identifier for repair equipment is being used in	0001
checkindateandtime	date			Date equipment will be checked-out for repair purposes	2015-10-29
checkoutdateandtime	date			Date equipment will be returned from repair purposes	2015-10-28
temployeeID	numeric		FK	Associated technician using equipment for repair	0004
EQUIPMENT ESTIMATE / EQUIPMENT REQUIREMENT					
Name	Data Type	Constraints	Key	Description	Example Value
repaiestimateid	numeric	NOT NULL	PK	Unique identifier for repair estimate that uses equipment	0007
equipmentid	numeric	NOT NULL	PK	Unique identifier of estimated equipment	001
equipmenthoursrequired	integer			Estimated amount of hours required for use of equipment	9
SKILL ESTIMATE/SKILL REQUIREMENT					
Name	Data Type	Constraints	Key	Description	Example Value
repaiestimateid	numeric	NOT NULL	PK	Unique Identifier for repair estimate that needs skills	0001
skillid	numeric	NOT NULL	PK	Unique identifier of estimated skills needed for repair	0001
skillhoursrequired	integer			Estimated number of hours required of skill	4
PARTS ESTIMATE / PART REQUIREMENT					
Name	Data Type	Constraints	Key	Description	Example Value
repaiestimateid	numeric	NOT NULL	PK	Unique identifier for repair estimate	001
partid	numeric	NOT NULL	PK	Unique identifier for part estimated to beused	0001

partquantityrequired	integer			The amount of parts estimated to be needed	1
PARTS UTILIZED / CONSUMPTION					
Name	Data Type	Constraints	Key	Description	Example Value
repairid	numeric	NOT NULL	PK	Unique identifier for repair being worked on	0001
partid	numeric	NOT NULL	PK	Unique identifier for part being used	0004
partconsumptiondate	date			The date part was used in repair	2022-03-22
partquantityconsumer	varchar			The consumer of a given part	Marc
REPAIR					
Name	Data Type	Constraints	Key	Description	Example Value
repairid	numeric	NOT NULL	PK	Unique identifier for repair	0001
repairdescription	varchar			Description of the repair	change tires
repairinitiationdate	date			The date repair begins	2015-10-28
repairdepositamount	numeric			The financial amount of deposit for repair	500
repaircompletiondate	date			The estimated completion date for repair	2015-11-02
repairtotalamount	int			The total financial cost for repair	850
automobilevin	varchar		FK	Associated vehicle that is estimated to be repaired	ZUY1VRJHQG6NAU9JY
repairestimateid	numeric		FK	Associated repair estimate that is being worked on	0003
customerid	numeric		FK	Associated customer who is estimated to be served	06
REPAIR ESTIMATE					
Name	Data Type	Constraints	Key	Description	Example Value
repairestimateid	numeric	NOT NULL	PK	Unique identifier for repair estimate	0001
repairestimatedescription	varchar			Description of the repair estimate	change tires
repairestimateamount	numeric			The estimated cost for repair	500
repairestimatecompletiondate	date			The estimated completion date for repair	2022-05-17
employeeid	numeric		FK	Associated employee estimated to supervise repair	0005
customerid	numeric		FK	Associated customer who is estimated to be served	01
automobilevin	varchar		FK	Associated vehicle that is estimated to be repaired	Y9I2SGWCFA743AREX
AUTOMOBILE					
Name	Data Type	Constraints	Key	Description	Example Value
Automobilevin	varchar	NOT NULL	PK	Unique Identifier for vehicle	Y9I2SGWCFA743AREX

automobileyear	int			Year vehicle was manufactured	2008
automobilemake	varchar			Make of vehicle	Honda
automobilemodel	varchar			Model of vehicle	Civic
Customerid	numeric		FK	Customer associated with vehicle	01
CUSTOMER					
Name	Data Type	Constraints	Key	Description	Example Value
customerid	numeric	NOT NULL	PK	Unique Identifier for customer	01
customername	varchar			Name of Customer	Bruce Wayne
customerphonenumber	BIGINT			Phone number of customer	8082738593
customeraddress	VARCHAR			Address of customer	20406 Shadow Oak Ct
MANAGER					
Name	Data Type	Constraints	Key	Description	Example Value
memployeeid	numeric	NOT NULL	PK	Unique identifier for manager	0001
repairid	numeric	NOT NULL	PK	Repair identifier associated with manager	0003
EMPLOYEE					
Name	Data Type	Constraints	Key	Description	Example Value
employeeid	numeric	NOT NULL	PK	Unique Identifier for employee	0001
employeename	varchar			Name of Employee	Paul Dejong
employeephonenumber	bigint			Employee's phone number	6558840019
employeedateofhire	date			Employee's date of hire	2010-10-19
employeeetype	varchar			Classification of employee	technician
PART					
Name	Data Type	Constraints	Key	Description	Example Value
Partid	numeric	NOT NULL	PK	Unique identifier for part	0001
partdescription	varchar			Description of part	tire
partunitcost	numeric			The cost per unit of part	100
partquantityonhand	integer			The amount of a part on hand	3
SKILL					

Name	Data Type	Constraints	Key	Description	Example Value
Skillid	numeric	NOT NULL	PK	Unique skill identifier	0001
skillname	varchar			Name of skill	strength
skilldescription	varchar			Description of skill	can lift over 200 pounds
temployeeid	numeric		FK	Technician associated with skill	
EQUIPMENT					
Name	Data Type	Constraints	Key	Description	Example Value
EquipmentID	numeric	NOT NULL	PK	Unique identifier of equipment	001
Equipmentdescription	varchar			Description of equipment	wrench
Equipmentmanufacturer	varchar			Manufacturer of equipment	yamaha
Equipmentmodel	varchar			Model of Equipment	h2-451