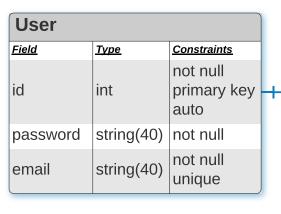
## Vehicle Records Database Design

Paul Banta MSSA CAD, ISTA 420 May, 2020

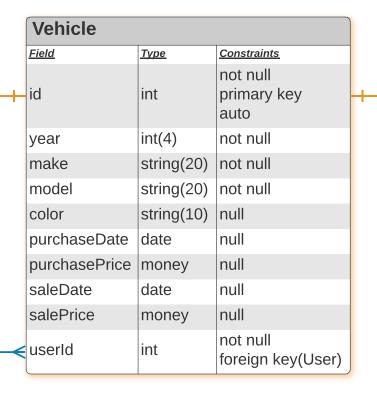


**Owns** 

Has

Has

<b>MaintenanceRepair</b>				
<u>Field</u>	<u>Type</u>	<u>Constraints</u>		
id	int	not null primary key auto		
date	date	not null		
description	string(1000)	not null		
mechanic	string(40)	not null		
mechanicPhone	phone	null		
odometer	int	null		
totalCost	money	not null		
type	choice	not null "Maintenance", "Repair"		
warrantyMiles	int	null		
warrantyMonths	int	null		
vehicleId	int	not null foreign key(Vehicle)		



Fillup				
<u>Field</u>	<u>Type</u>	<u>Constraints</u>		
id	int	not null primary key auto		
date	date	not null		
gallons	number(n.3)	not null		
odometer	int	not null		
totalCost	money	not null		
tripOdometer	number(n.1)	not null		
vehicleId	int	not null foreign key(Vehicle)		

Insurance				
<u>Field</u>	<u>Type</u>	<u>Constraints</u>		
id	int	not null primary key auto		
company	string(40)	not null		
beginDate	date	not null		
endDate	date	not null		
totalCost	money	not null		
vehicleId	int	not null foreign key(Vehicle)		

Has

Has

Registration				
<u>Field</u>	<u>Type</u>	<u>Constraints</u>		
id	int	not null primary key auto		
date	date	not null		
expires	date	not null		
totalCost	money	not null		
vehicleId	int	not null foreign key(Vehicle)		