Model 1 Class Diagram

Recall that a UML class diagram summarizes the attributes and methods of a class. In the repair shop example, a Car class might look something like this:

Car
- owner: Customer
- make: String
- model: String
- year: int
+ Car()
+ getOwner(): Customer
+ setOwner(owner: Customer)
+ getMake(): String
+ setMake(make: String)
+ getModel(): String
+ setModel(model: String)
+ getYear(): int
+ setYear(year: int)
+ equals(obj: Object): boolean
+ toString(): String

Questions (15 min)

Start time:

1.	How many are in the diagram above?	
	a) attributes	c) getters
	b) constructors	d) setters
2.	What is the type of the owner attribute? Is it a p	orimitive or reference type?
3.	Explain how this design allows multiple cars to	be owned by the same customer.

4. List three attributes that would be appropriate for the Customer class.

Variable Name	Data Type	Example Value
	I	

	Rewrite the attributes	from the previous question in UML format.
6.	For each attribute, def	ine a get method. Write your answer in UML format.
7.	For each attribute, def	ine a set method. Write your answer in UML format.
8.		implemented in the set methods to ensure that only valid attribute <i>le: The customer's name should contain only letters and spaces.</i>
	Variable Name	Validation Rules
	Based on the attributes	syou defined, how could you determine whether two Customer objects mer?