



Class Diagram and Object Diagram

- Class is a category or group of things that have similar attributes and common behaviors
 - Object is an instance of a class; specific thing that has specific values of the attributes and behavior
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Example of the UML Class Diagram

Washing Machine	<--class name
<u>brandName</u> <u>modelName</u> <u>serialNumber</u> <u>capacity</u>	<--attribute (key attributes are underlined)
{capacity=16 or 18 or 20lbs}	
addClothes() addDetergent() removeClothes() turnOn()	<--operations

Example of the UML Object Diagram

My Washer: Washing Machine	<--name of instance on left, name of the class on the right
Maytag: BrandName Ultima: ModelName a1054: SerialNumber 20lbs: Capacity	
addClothes() addDetergent() removeClothes() turnOn()	