Class Diagrams

Smartphone

Attribute	Methods
brand: String	turnOn(): void
model: String	turnOff(): void
batteryLevel: int	makeCall(): void
screenBrightness: int	receiveCall(): void
operatingSystem: String	sendMessage(): void
storageCapacity: int	receiveMessage(): void
networkConnection: String	openApp(appName: String): void
numberOfApps: int	closeApp(appName: String): void
	takePicture(): void
	browseInternet(): void
	adjustVolume(level: int): void
	chargeBattery(): void

Laptop

Atribute	Methods
brand: String	turnOn(): void
model: String	turnOff(): void
processorType: String	openApplication(appName: String): void
ramSize: int	closeApplication(appName: String): void
storageCapacity: int	connectToWiFi(): void
batteryLevel: int	chargeBattery(): void
screenResolution: String	adjustBrightness(level: int): void
operatingSystem: String	typeText(text: String): void
	useTrackpad(): void
	playVideo(videoName: String): void
	playMusic(musicName: String): void

Refrigerator

Attribute	Methods
brand: String	turnOn(): void
capacity: int	turnOff(): void
temperatureSetting: int	adjustTemperature(temp: int): void
doorStatus: boolean	openDoor(): void
numberOfShelves: int	closeDoor(): void
lightStatus: boolean	turnLightOn(): void
powerConsumption: double	turnLightOff(): void

	startCooling(): void
	stopCooling(): void
	makeIce(): void
	defrost(): void

Car

Attribute	Methods
make: String	startEngine(): void
model: String	stopEngine(): void
fuelLevel: int	accelerate(amount: int): void
engineStatus: boolean	decelerate(amount: int): void
speed: int	turnLeft(): void
odometerReading: int	turnRight(): void
tirePressure: int	lockDoors(): void
numberOfDoors: int	unlockDoors(): void
color: String	openWindows(): void
	closeWindows(): void
	turnOnHeadlights(): void
	playMusic(trackName: String): void

MicrowaveOven

Attribute	Methods
brand: String	turnOn(): void
powerLevel: int	turnOff(): void
timerSetting: int	setCookingTime(time: int): void
doorStatus: boolean	adjustPowerLevel(level: int): void
capacity: int	openDoor(): void
numberOfPresetModes: int	closeDoor(): void
	startCooking(): void
	stopCooking(): void
	defrost(): void
	reheat(): void