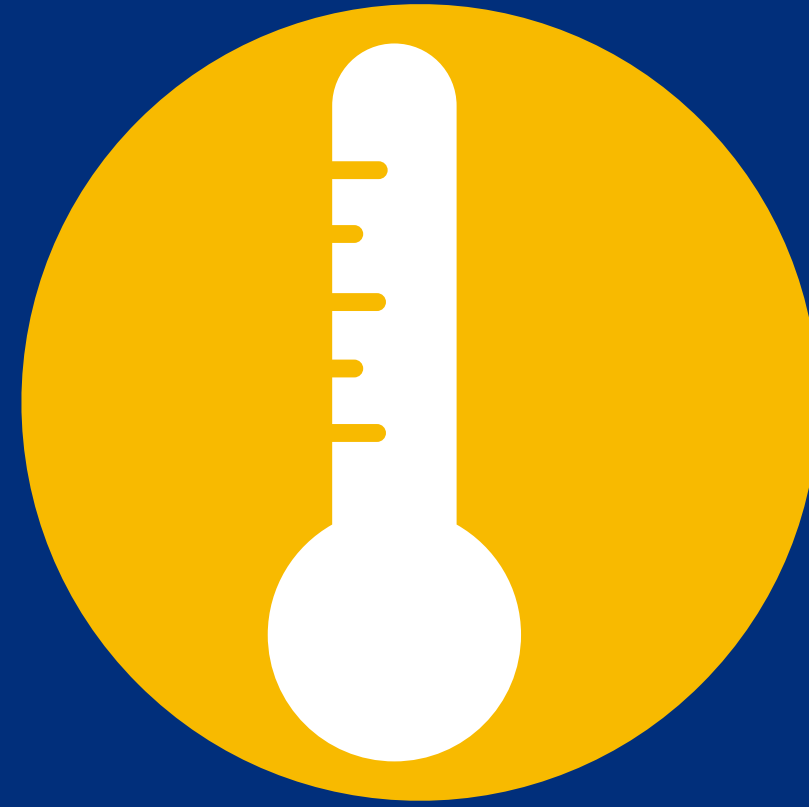
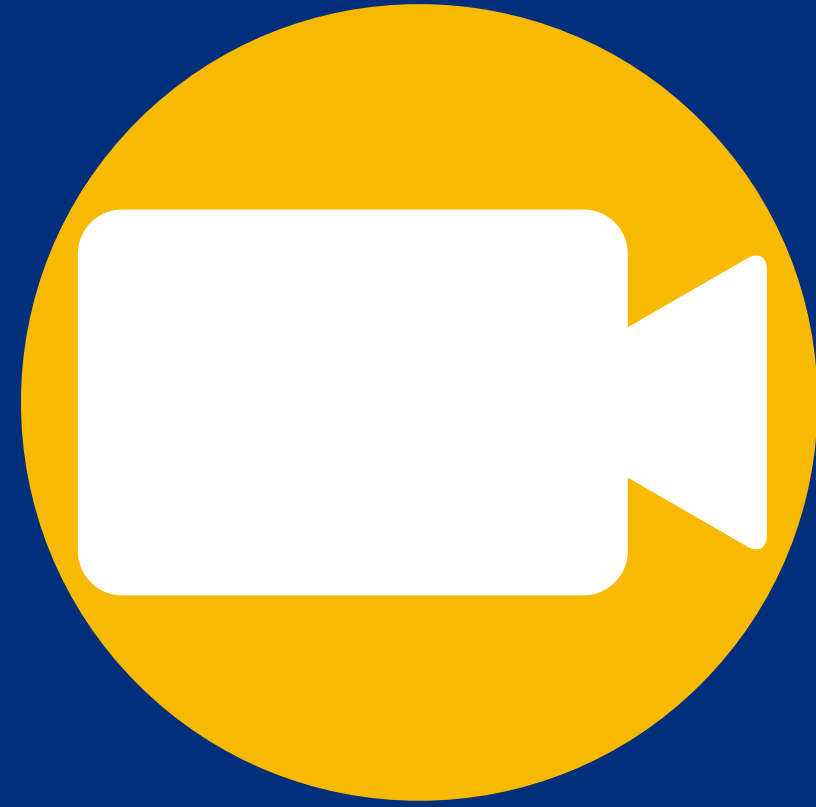


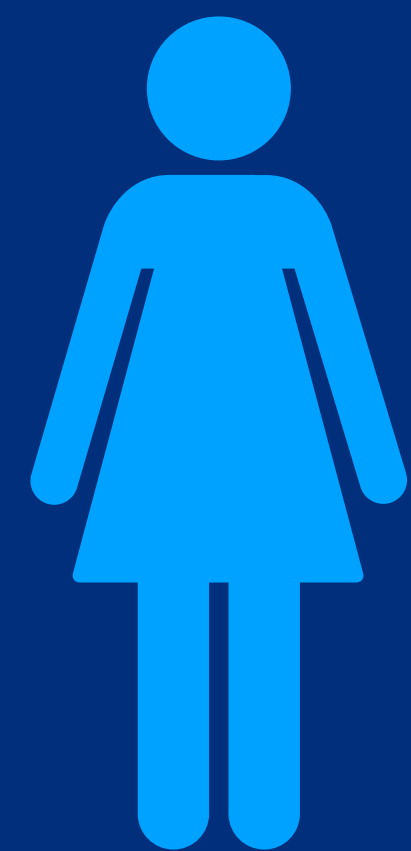
# SmartHouse





## SmartHouse





assert command

Manager



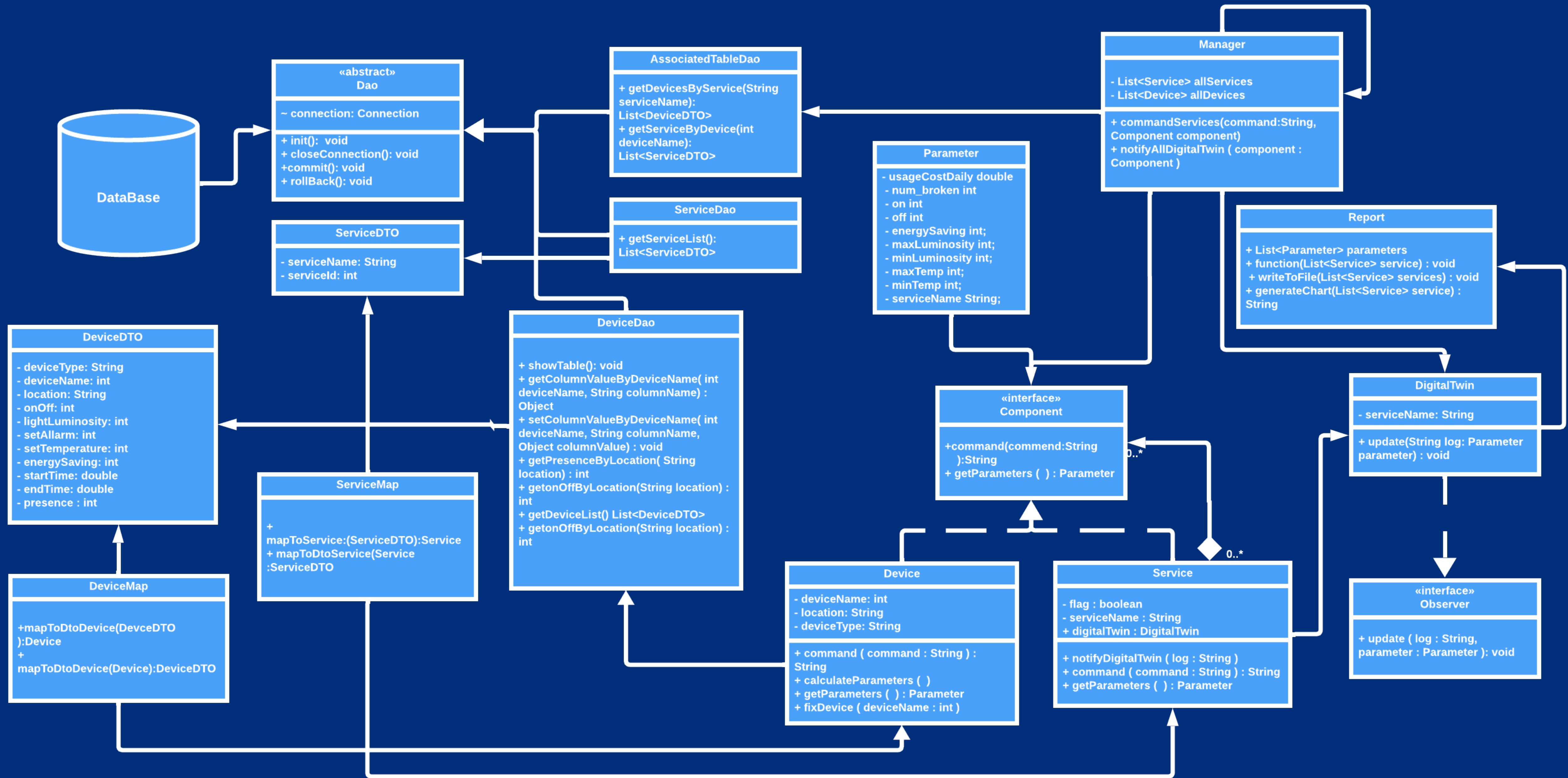
command service

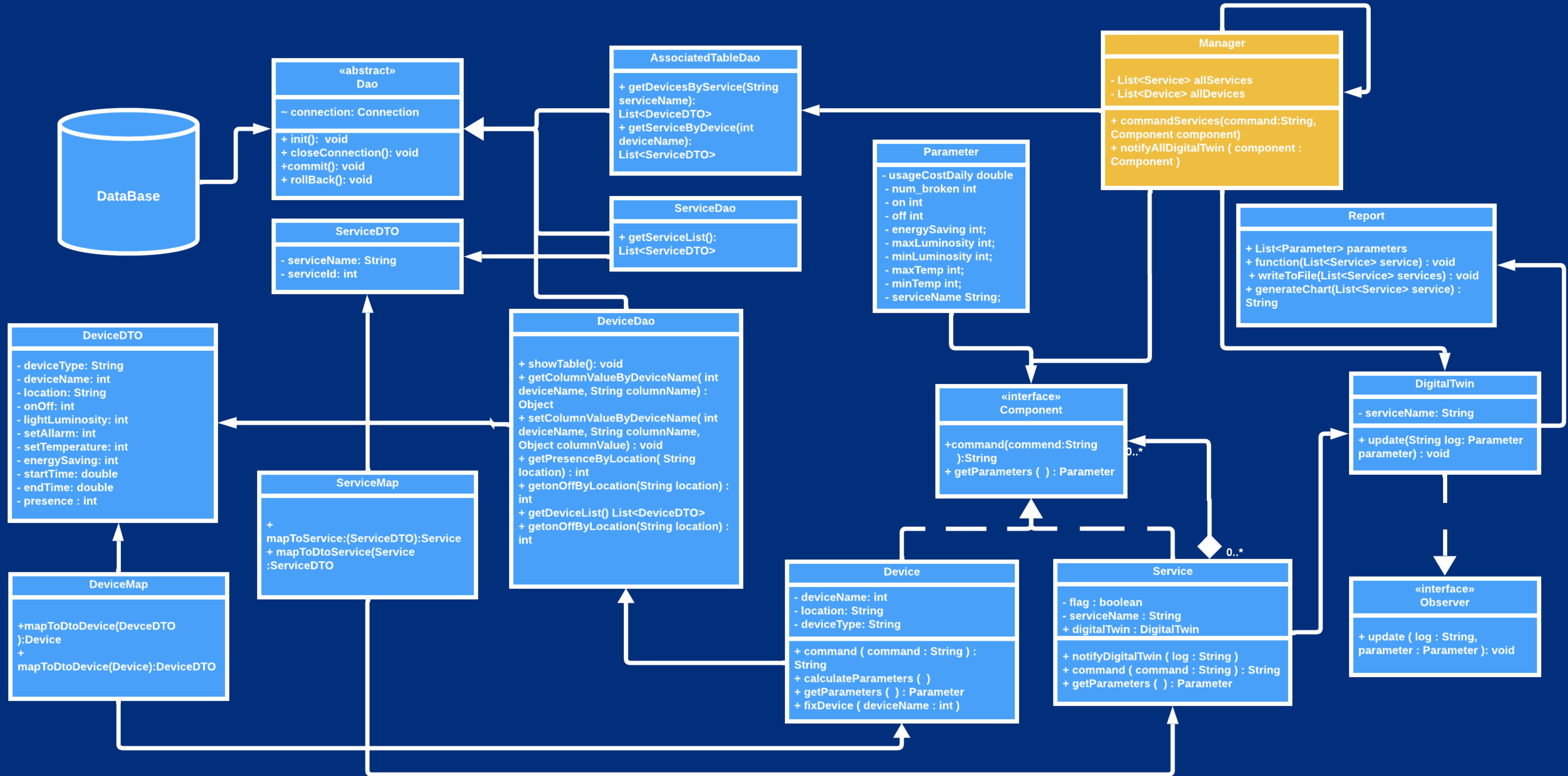
command device



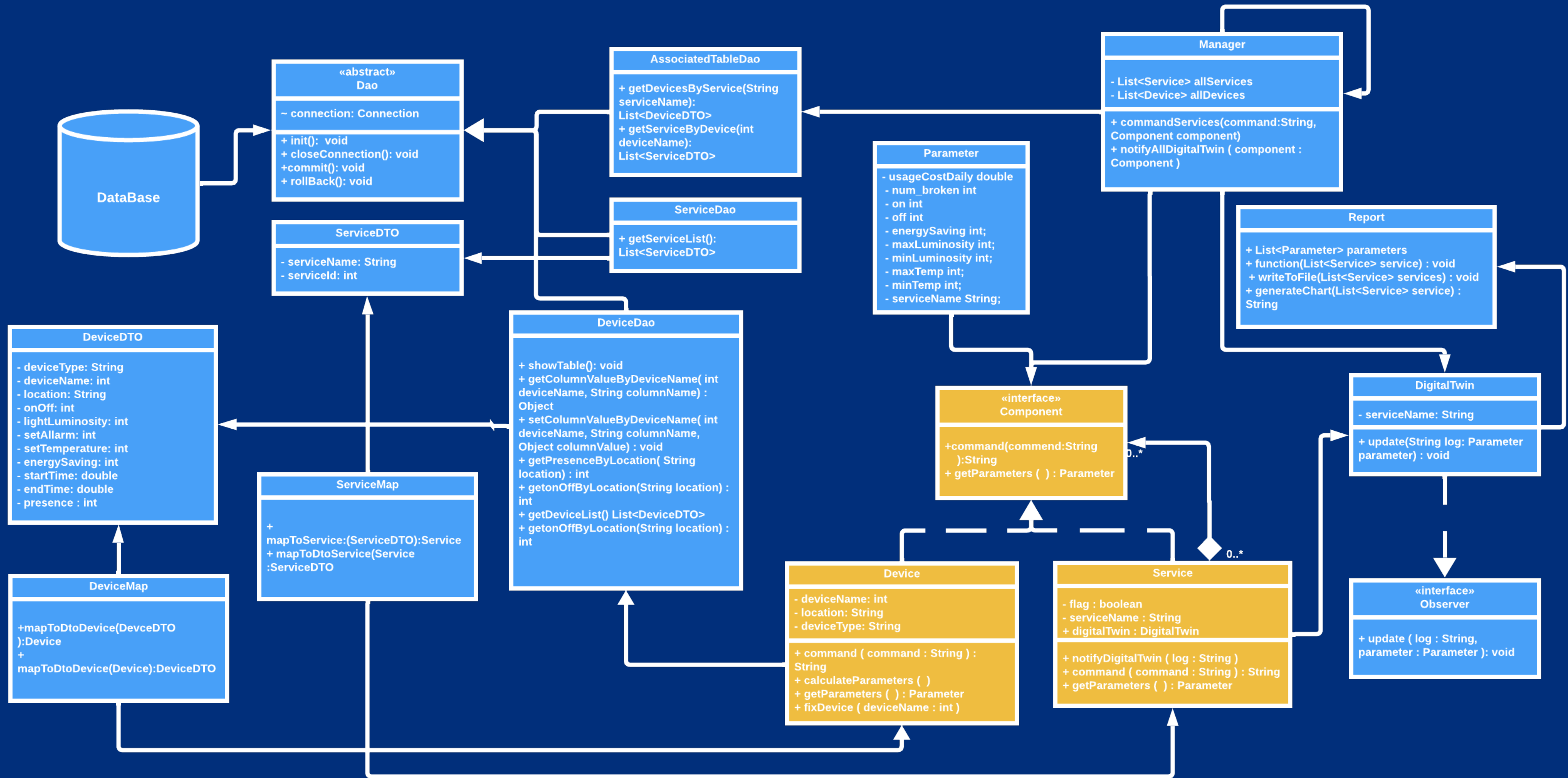
obtain report

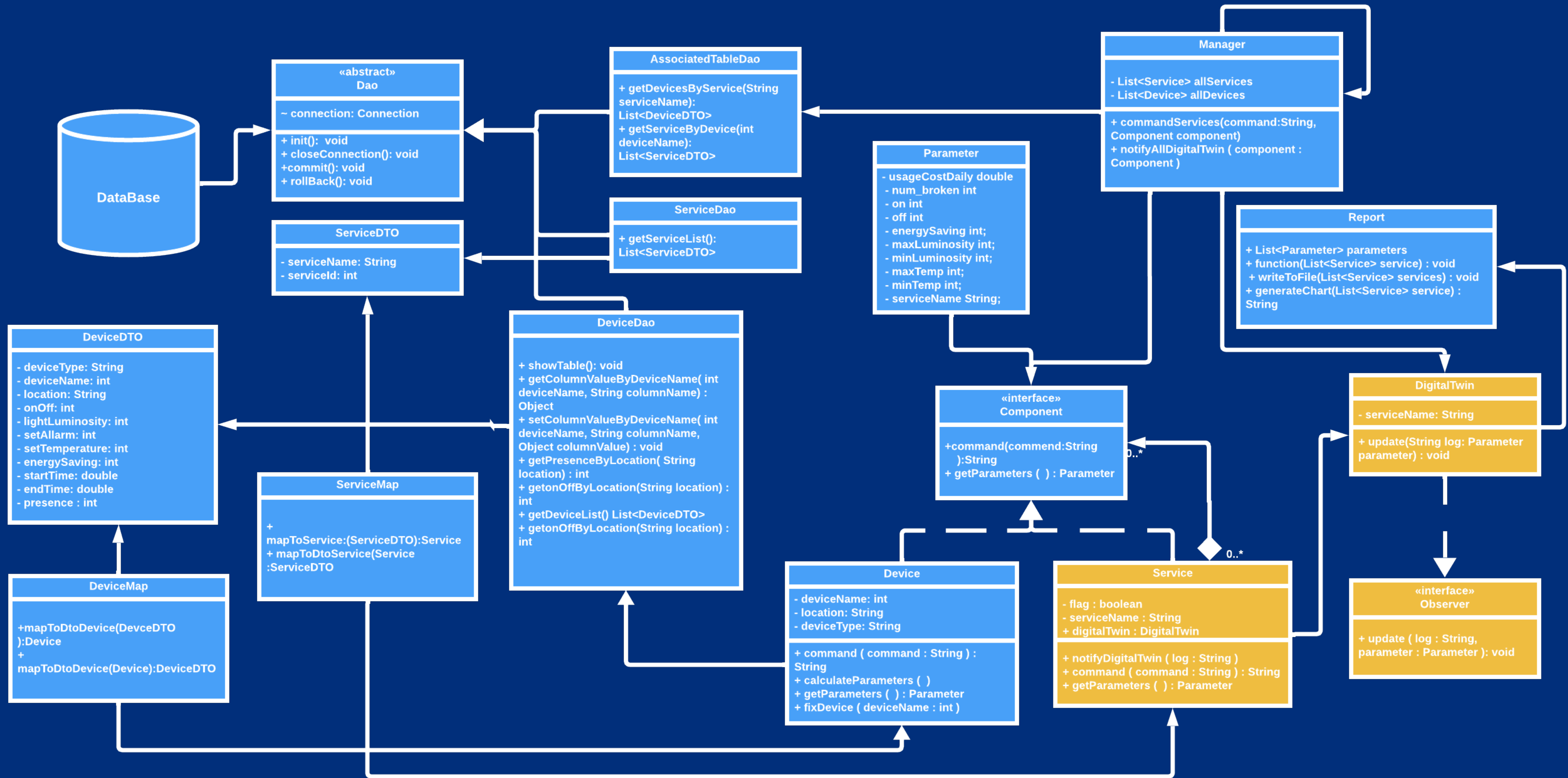


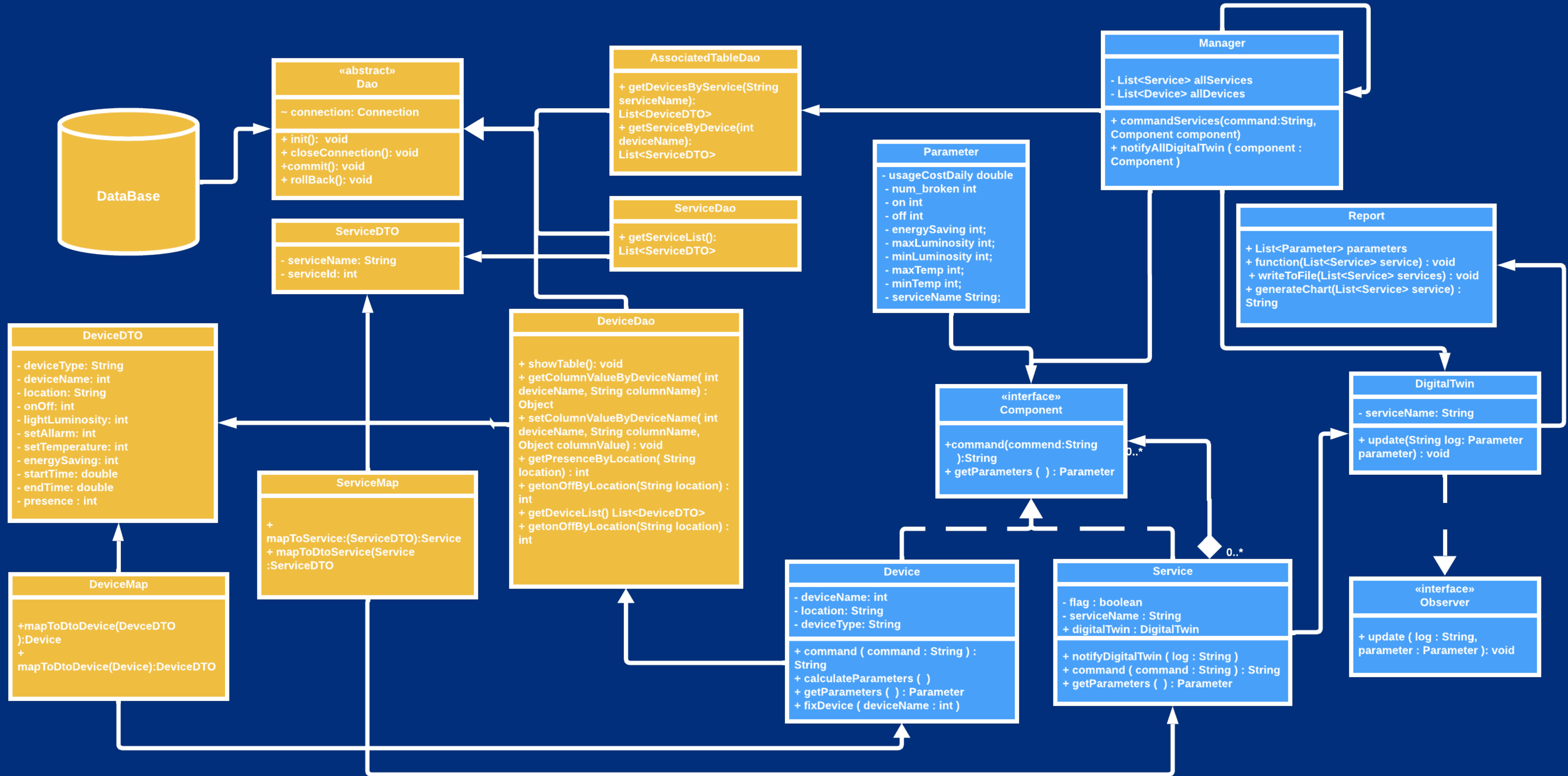






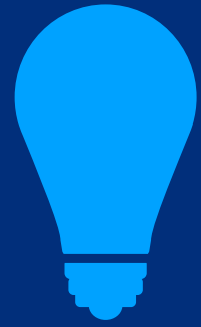




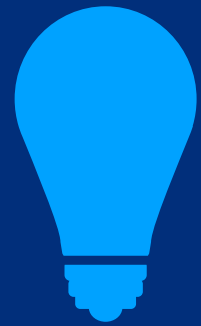




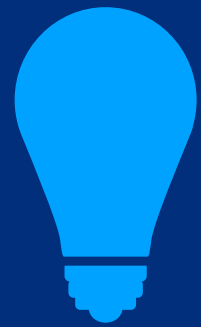
## Implemented Technologies:



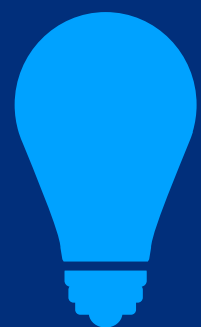
**Maven: easier libraries importation**



**sqlite: storage devices ' information**

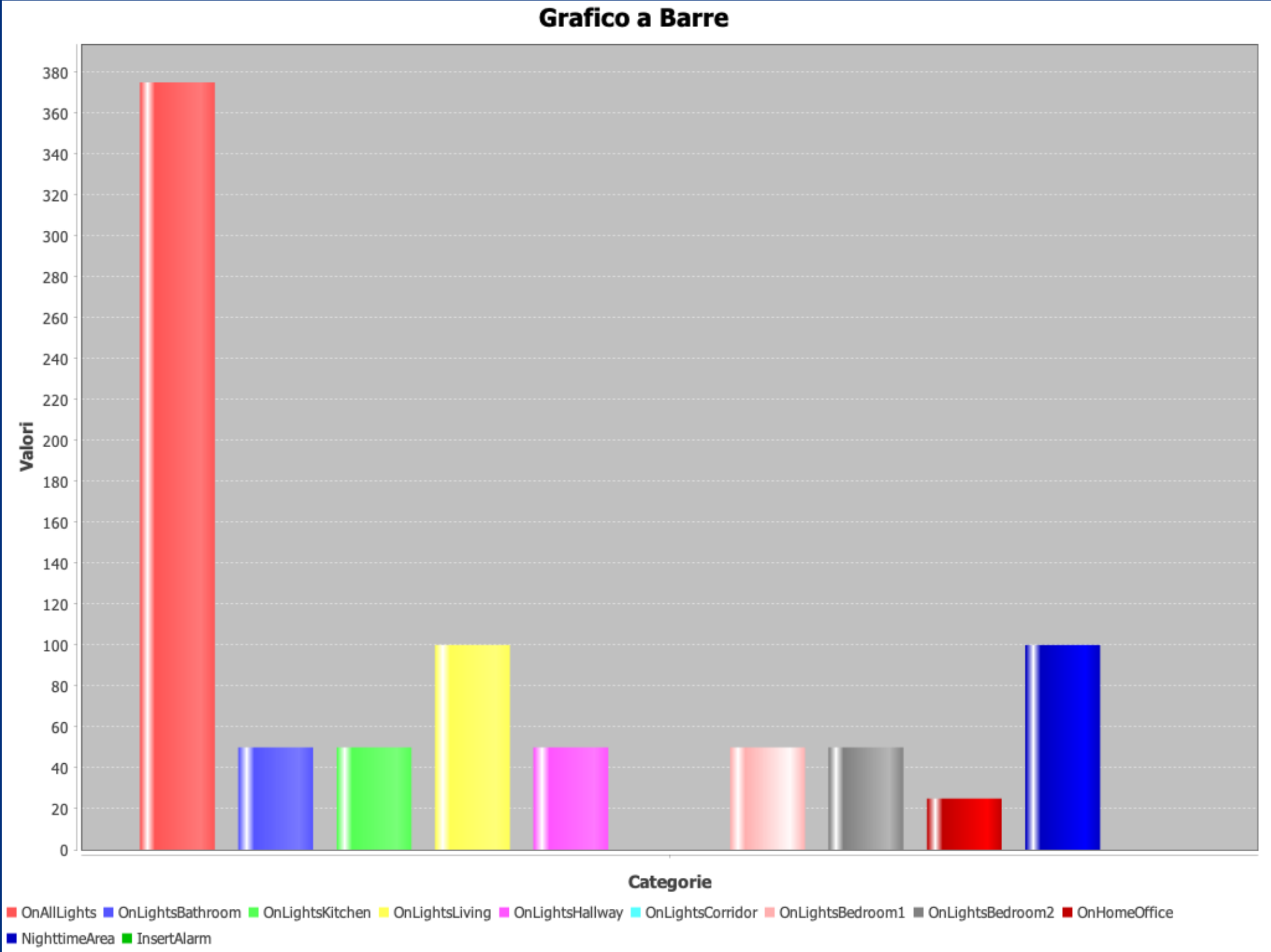


**JUnit : testing framework**



**Honorable mentions: log4J, lambda functions, lombok and jfreechart**

# Results:



```
Service: OnHomeOffice, Device: 16 numTimeBrokenDevice: 0
Service: OnHomeOffice, Device: 17 numTimeBrokenDevice: 0
Service: NighttimeArea, Device: 11 numTimeBrokenDevice: 1
Service: NighttimeArea, Device: 12 numTimeBrokenDevice: 0
Service: NighttimeArea, Device: 13 numTimeBrokenDevice: 0
Service: NighttimeArea, Device: 14 numTimeBrokenDevice: 0
Service: NighttimeArea, Device: 15 numTimeBrokenDevice: 0
Service: InsertAlarm, Device: 23 numTimeBrokenDevice: 0
Service: InsertAlarm, Device: 24 numTimeBrokenDevice: 0
Service: InsertAlarm, Device: 25 numTimeBrokenDevice: 0
Service: InsertAlarm, Device: 26 numTimeBrokenDevice: 0
Service: InsertAlarm, Device: 27 numTimeBrokenDevice: 0
Service: OnAllLights, Device: 1 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 2 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 3 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 4 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 5 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 6 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 7 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 8 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 9 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 10 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 11 numTimegetDeviceOn: 0
Service: OnAllLights, Device: 12 numTimegetDeviceOn: 2
Service: OnAllLights, Device: 13 numTimegetDeviceOn: 2
Service: OnAllLights, Device: 14 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 15 numTimegetDeviceOn: 1
Service: OnAllLights, Device: 16 numTimegetDeviceOn: 0
Service: OnAllLights, Device: 17 numTimegetDeviceOn: 1
Service: OnLightsBathroom, Device: 1 numTimegetDeviceOn: 1
Service: OnLightsBathroom, Device: 3 numTimegetDeviceOn: 1
Service: OnLightsKitchen, Device: 2 numTimegetDeviceOn: 1
Service: OnLightsKitchen, Device: 4 numTimegetDeviceOn: 1
Service: OnLightsLiving, Device: 5 numTimegetDeviceOn: 1
```