

```
+-----+
| SmartHouse |
+-----+
| + floors: list |
+-----+
| + register_floor()|
| + register_room() |
| + get_floors() |
| + get_rooms() |
| + get_area() |
+-----+
|
| v
+-----+
| Floor |
+-----+
| + level: int |
| + rooms: list |
+-----+
| + add_room() |
+-----+
|
| v
+-----+
| Room |
+-----+
| + name: str |
| + size: float |
```

| + devices: list |

+-----+

| + add_device() |

+-----+

|

v

+-----+

| Device |

+-----+

| + device_id: int|

| + name: str |

+-----+

|

| |

+-----+ +-----+

| Sensor | | Actuator |

+-----+ +-----+

| + measurements | | + state: any |

+-----+ +-----+