

Step 2: Inputs & Outputs

Inputs

- **Projector status** (Boolean: True/False)
- **Room capacity** (Integer: number of seats)
- **Topic** (String: what the class is about)
- **Student names** (Strings: added to or removed from a set)
- **Temperature readings** (Floats: added to a list)

Outputs

- **Current room status** (projector on/off, topic, capacity)
- **Attendance count** (number of students vs. room capacity)
- **Temperature stats** (min, max, average temperature)
- **Alerts and warnings:**
 - 'ROOM FULL' if the number of students exceeds capacity
 - Temperature warning if reading is below 16°C or above 28°C
 - 'Reminder: Turn on the projector' if topic is set but projector is off when exiting