

### Step 3: Algorithm (Plan the Logic)

1. Display menu

2. Ask for user selection:

- Toggle projector → change on/off
- Set topic → update topic string
- Add student → update attendance set; show warning if over capacity
- Remove student → delete from attendance
- Add temperature → add to list; show warning if out of 16–28°C range
- Show report → print room info, attendance stats, temp stats; show reminder if projector is off but topic is set
- Exit → end program

3. Use functions to handle each option

4. Repeat until user chooses Exit