## Sequence diagram depicting the communication between the tasks

| Main | ledLogic | checkIfAtFloor() |
|------|----------|------------------|

Init state → (Main to ledLogic)

Set target floor → (Main to ledLogic)

Check floor → (Main to checkIfAtFloor())

At target floor ← Return true / false (checkIfAtFloor to Main / ledLogic)

Open door → (Main to ledLogic)

Wait for user input → (Main to checkIfAtFloor())

Move to target floor → (Main to ledLogic)

Open door → (Main to ledLogic)
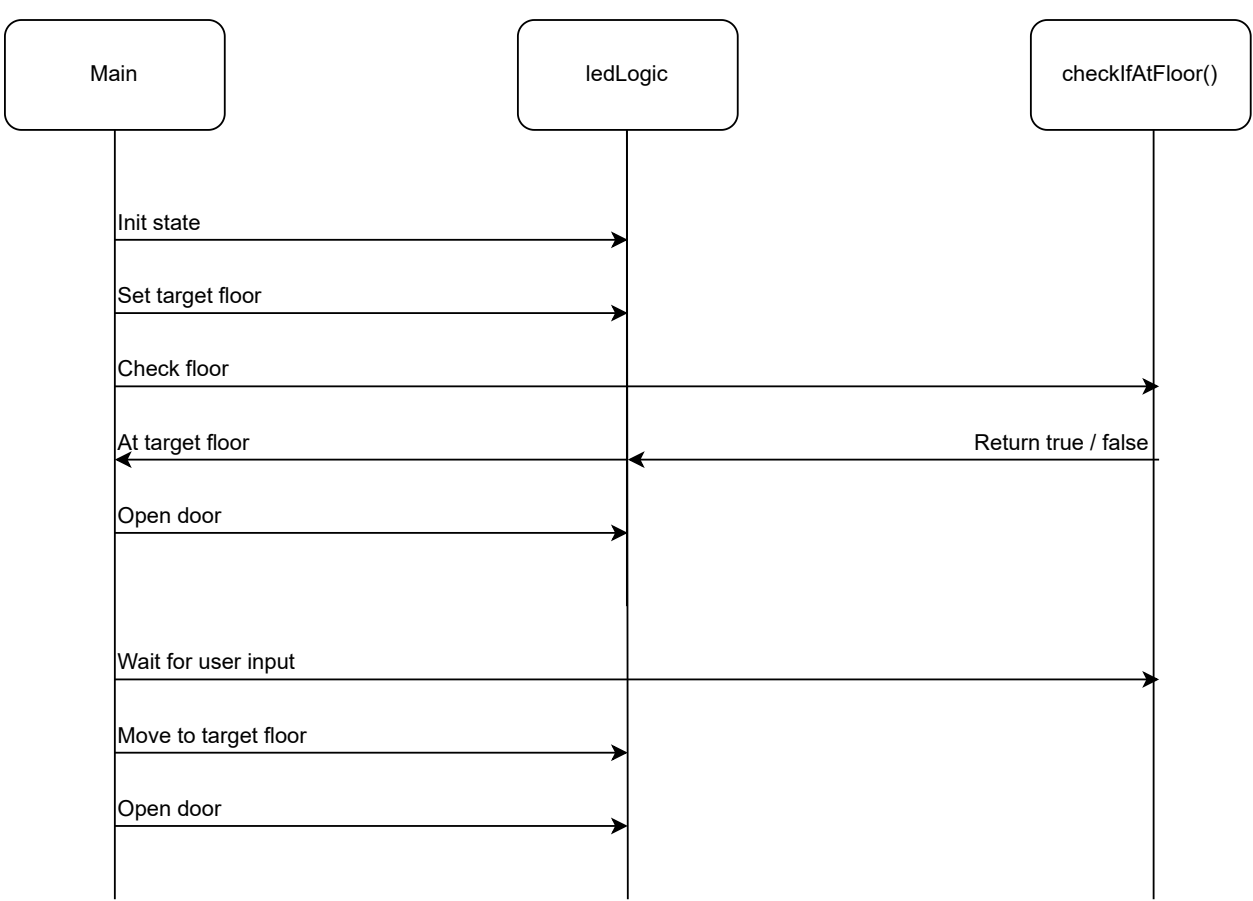
## Sequence diagram showing the calling of the function by the task

| Main | checkIfAtFloor |
|------|----------------|

Init state

wait for user input     Set case 2 →

Check current- and target floor →

Set case 5 ← targetfloor == currentfloor

Set case 3 ← targetfloor < currentfloor

Set case 4 ← targetfloor > currentfloor

Case 3 move down     Set case 2 →

Case 4 move up     Set case 2 →

Wait for inside
Case 5 open door     user input →

User presses button     Case 2 →