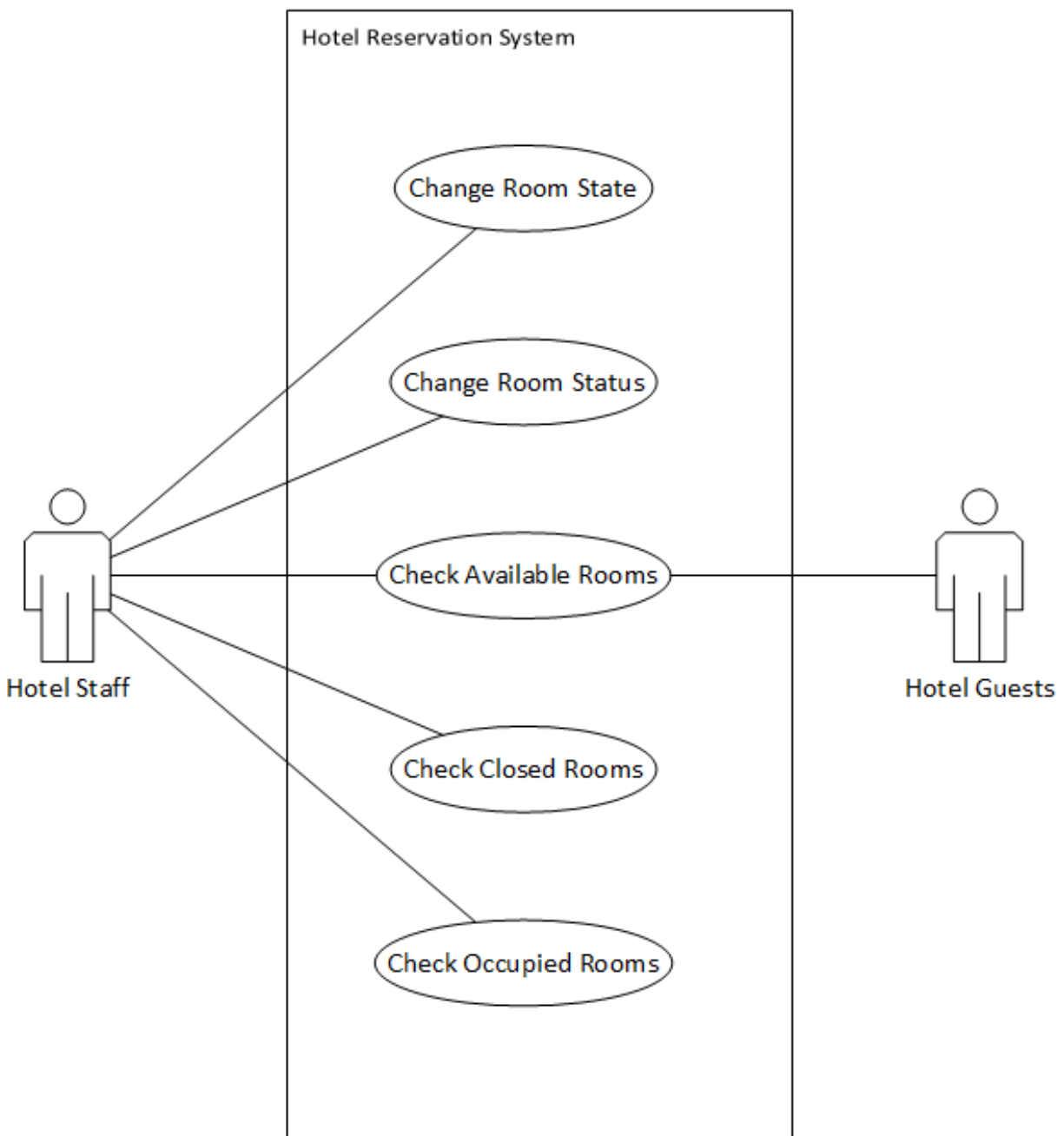


Use Case Diagram:



Use Case Specifications

1) Change Room State

- a. Action: Change room state from Vacant to Occupied, or change room state from Occupied to Vacant if already occupied
- b. Requirements: Room number needing to be changed.
- c. Pre-condition: Hotel must be initialized, user must be logged in as an employee.
- d. Post-Condition: None
- e. Side effects: None.

2) Change Room Status

- a. Action: Change room status from Open to Closed, or change room status from Closed to Open if already occupied
- b. Requirements: Room number needing to be changed.
- c. Pre-condition: Hotel must be initialized, user must be logged in as an employee.
- d. Post-Condition: None
- e. Side effects: None.

3) Check Available Rooms

- a. Action: Prints a list of all Open and Vacant Rooms
- b. Requirements: None.
- c. Pre-condition: Hotel must be initialized.
- d. Post-Condition: None.
- e. Side effects: None.

4) Check Closed Rooms

- a. Action: Prints a list of all Closed Rooms
- b. Requirements: None.
- c. Pre-condition: Hotel must be initialized, user must be logged in as an employee.
- d. Post-Condition: None.
- e. Side effects: None.

5) Check Occupied Rooms

- a. Action: Prints a list of all Rooms listed as Occupied.
- b. Requirements: None.
- c. Pre-condition: Hotel must be initialized, user must be logged in as an employee.
- d. Post-Condition: None.
- e. Side effects: None.