CPSC 463 - Section 1 - Project 2 - Hotel

Team Members:
Calvin Nguyen
Loc Nguyen
Juheng Mo
Austin Hoang

Capability 1: (Loc)
Use Case Name: Display room types
Primary Actor: Customer Service and Room Staff
Stakeholders and Interests:
- Customer Service: Search for empty room and mark room for cleaning/maint
- Room Staff: check for rooms that need services

Preconditions: Hotel software is opened
Success Guarantee: Display rooms with their status
Main Success Scenario:
1. Hotel Customer Service click on show room status
2. System display room status on screen
3. Hotel Customer Service change room status based on room condition
4. When Hotel Staff click on room that is available, a window from Capability 6 shall appear to let Hotel Staff check in the customer
5. Hotel Staff shall input customer information to check customer in
6. The room status shall change to Unavailable/Occupied once customer is checked in

Extensions:
1. If the room status is Unavailable/Occupied, Hotel staff can check out customer by selecting Occupied the second time
2. A capability 6 window shall appear to let the hotel staff check out customer
3. Once customer is checkout, the room status will change to Unavailable/Dirty
1. If the room status is Unavailable/Dirty or Unavailable/Maintenance, a pop up window will ask the user to make it available or do nothing until its available

Capability 2: (Loc)
Use Case Name: Search for available rooms
Primary Actor: Hotel Front Desk
Stakeholders and Interests:
- Front Desk Staff: Search for empty room for guest staying at the hotel

Preconditions: Hotel software is opened
Success Guarantee: Hotel rooms display guest name and available room for next 7 days
Main Success Scenario:
1. Front Desk Staff click on show available room
2. A window Shall appear with customer's first name display if checked in up to 7 days
3. If the room is available, hotel guest can checking if the date is today
4. A window from capability 6 shall appear to let the hotel staff check customer in
5. If the room is available, hotel guest can make reservation for future date
6. A window shall appear from capability 3 to let the staff make reservation for guest.
7. Screen display all available rooms and rooms with guest name staying for that day
8. System update when Front Desk Staff change to empty status.

Extensions:

Capability 3: (Austin)
Use Case Name: Reserving rooms and showing reserved rooms
Primary Actor: Hotel Front Desk
Stakeholders and Interests:
- Front Desk Staff: Reserve rooms for guests and fill out their information such as names, dates and room types. Check availability of certain room types. Can also see a reservation list with the same information plus rates and total charge. Can add and delete reservations as well as check-in.

Preconditions: Hotel software is opened
Success Guarantee: "Add Reservation" button: Will be successful when all fields are entered
"Delete Reservation" Button: Will be successful when user clicks on reservation and then hits button
"Check-In" Button: Will be successful if user hits button and changes any field
Main Success Scenario:
1. Staff clicks on reservations option.
2. If staff clicks add reservation button: Fill in all fields
3. If staff wants to delete: Click on reservation and then hit delete reservation button
4. If staff wants to check in reservation: click on reservation and then click check in

Extensions:
Capability 4: (Austin)
Use Case Name: Housekeeping screen showing dirty rooms
Primary Actor: Hotel Front Desk
Stakeholders and Interests:
- Front Desk Staff: Control which needs to be cleaned in each hotel room. Set status to either "available" or "unavailable"
Preconditions: Hotel software is opened
Success Guarantee:

-A list of rooms that are dirty will show up with information such as housekeeper name, numbers, types, status, bathrooms, towels, bedsheets, vacuums, dusting, and electronics of each room.
-Each button will check off its respective option (bathrooms, towels, etc)
Main Success Scenario:
1. Staff opens housekeeping screen
2. Staff clicks on any of the rooms and the button they wish to check off. If need to check of all, should click "check off all"
3. If need to be made unavailable, should click "unavailable"
Extensions:

Capability 5: (Juheng)
Use Case Name: Guest profile
Primary Actor: Hotel Front Desk Staff
Stakeholders and Interests:
- Front Desk Staff: Look up information of a guest or to use the guest profile for quick room reservation.
Preconditions: Capability 6 is opened successfully or Capability 7 is opened successfully
Success Guarantee: The guest profile screen opened with the correct information about the guest
Main Success Scenario:
1. User selects the guest and clicks the view guest button
2. System displays the guest profile
3. User shall be able to edit the information
4. User clicks save to save the information

Capability 6: (Juheng)
Use Case Name: Current Stay Screen
Primary Actor: Hotel Front Desk Staff
Stakeholders and Interests:
- Front Desk Staff: Look up the guest's current stay information
Preconditions:
- Capability 1 is opened successfully or Capability 2 is opened successfully or Capability 3 is opened successfully
Success Guarantee: The current stay screen opened successfully
Main Success Scenario:
1. User clicks on the the room number
2. If the room is available
   a. System display the current stay screen with only the room number, room type, and room fee
   b. User shall be able to fill out the information required to check in
   c. Current Stay Screen closes after user checks in successfully
3. If the room is unavailable/dirty

a. System display the current stay screen with the correct information about the current stay
b. User shall be able to edit the information
c. Current Stay Screen closes after user saves the information successfully

Capability 7: (Calvin)

Use Case Name: Search for a Guest
Primary Actor: Hotel Front Desk Staff
Stakeholders and Interests:
- Front Desk Staff: Wants to look up information of a guest staying at the hotel

Preconditions: Hotel software is opened
Success Guarantee: A list of guests that matched the inputted search keyword is displayed
Main Success Scenario:
1. User clicks on the 'Search for Guest' button in the main menu.
2. System display 'Search for Guest' window
3. User enters the search keyword into the text field.
4. User selects the type of information to search by (First Name, Last Name, …)
5. User presses the 'Submit' button.
6. System display a list of guests that matched the criteria.

Extensions:

a*. View guest information
1. User selects a guest from the displayed list.
2. User clicks the "View Guest" button
3. System displays Guest Profile screen.

Capability 8: (Calvin)

Use Case Name: Report of Daily Revenue
Primary Actor: Hotel Manager
Stakeholders and Interests:
- Front Manager: Check the daily report of the day's earnings

Preconditions: Hotel software is opened
Success Guarantee: A list of the day's activities is displayed with the total revenue on at the bottom of the screen.
Main Success Scenario:
1. User clicks on the 'Daily Report' button in the main menu.
2. System displays 'Daily Report' window
3. User selects a specific date to view daily report for
4. User clicks 'Submit' button
5. System displays Total Dollars Paid on that day
6. System displays a list of guests with matched Check-In Date

Extensions:
 None