**Capability 1 by Frank Mirando**

**Use Case:** Display rooms and their status

**Pre-Conditions:** Viewer can click enter 1 and all the rooms with type and status will display as buttons

**Success Guarantee:** Viewer can view all rooms with their room numbers, room type and if they are available or not.

**Main Success Scenario:**

1. Viewer enters 1 as input in main menu
2. Viewer can now see all the rooms in the hotel displayed as clickable buttons

**Extensions:**

2a. Viewer can click on a room button to send reservation information to capability 6 to show guest information for their current stay

**Capability 2 by Frank Mirando**

**Use Case:** Display list of rooms and names of guests who are staying in each one for the next 7 days.

**Pre-Conditions:** Must be connected to the database holding information about rooms and reservations. Guests must have a check in date and expected check out date.

**Success Guarantee:** The viewer can see the first and last names of guests who are staying in each room for the next 7 days.

**Main Success Scenario:**

1. Viewer can enter 2 in the console to display schedule
2. All rooms will display on the left side as rows and the next 7 dates will display on the top as columns
3. First and last names of guests will be displayed according to what rooms they are staying in and what days they are staying in there.

**Extensions:**

2a. If no guests are checked in a room for a specific date, then that cell will remain blank.

**Capability 3 by Jeremy Viray**

**Use Case:** Current Reservations

**Pre-Conditions:** Database must include a list of current reservations. Each reservation must have a guest and a room assigned to it. There must be a room price, and a customer balance.

**Success Guarantee:** System displays all current reservations

**Main Success Scenario:**

1. System calls on cap3(), sending in reservation information.
2. System displays column labels of guest information categories.
3. System displays guest information in proper columns.

**Extensions:**

3a. If no current reservations, the system displays blank columns

**Capability 4 by Jeremy Viray**

**Use Case:** Housekeeping Information

**Pre-Conditions:** Database must include a list of rooms. Each room will have values to illustrate key aspects in regards to cleaning (bed sheets, dusting, towels etc.). Each room must have a housekeeper assigned to it.

**Success Guarantee:** System displays list of rooms and their cleaning status

**Main Success Scenario:**

1. System calls on cap(4), sending housekeeping information
2. System displays column labels
3. System updates each column with appropriate information

**Extensions:**

*No Extensions Available*

**Capability 5 by Benjamin Baesu**

**Use Case:** Guest Profile Screen

**Pre-Conditions:** Guest information must be stored in the database and must be filled out completely.

**Success Guarantee:** System prints out all proper information of any given guest.

**Main Success Scenario:**

1. System calls on cap5(), sending in guest information.
2. System displays column labels of guest information categories.
3. System displays guest information in proper columns.
4. 1. User requests to view ID photo of guest.
   2. System responds with an photo display of guest’s ID.
5. 1. User calls on system to quit out of ID view.
   2. System responds by closing ID view.
6. 1. User calls on system to quit out of cap5.
   2. System returns out of cap5.

**Extensions:**

4.b.ii - If no ID can be found, system responds with blank ID photo

**Capability 6 by Benjamin Baesu**

**Use Case:** Current Stay Screen

**Pre-Conditions:** Database must include a list of reservations. Each reservation must have a guest and a room assigned to it. Each room must have a rate. Each reservation should have a check-in date and time, as well as a check-out date and time.

**Success Guarantee:** System prints out current reservation information that is called on by the user.

**Main Success Scenario:**

1. System calls on cap6(), sending in reservation information.
2. System displays column labels of guest, room, and reservation information.
3. System displays reservation information for the appropriate reservation.
4. 1. User calls on the system to quit out of reservation view window.
   2. System returns out of cap6.

**Extensions:**

*No extensions available*

**Capability 7 by Tristan Bui**

**Use Case: Search for guests**

**Pre-Conditions:** Must have guests registered in HotelX database with First Name, Last Name, Room Number, Phone Number, Street Address, Check In Date, and Check Out Date.

**Success End Conditions:** System returns information about guest searched by HotelX employee

**Failed End Protection:** System returns error or no information, Employee unable to search for specific guest

**Trigger:** HotelX employee needs information on guest

**Main Success Scenario**

1. HotelX employee accesses system to look up a HotelX guest

2. HotelX employee gives input for system to search for guest by specifying if using guest’s First Name, Last Name, Room Number, Phone Number, Street Address, Check In Date, or Check Out Date.

3. System -- Connects search input from HotelX employee with data within HotelX Guest Database

4. System – Correctly matches search input from HotelX employee with HotelX guest database

5. System – Returns results from match between HotelX employee search input and HotelX guest database

6. HotelX employee visually sees result of guest info on system screen

Extensions:

2a. HotelX employee inputs a value to search for and selects specification filter

2a1. System connects search input with database, matching input to value in database

2a2. System returns back error message – returns “x is not found within the system”

2a3. HotelX employee reinputs a value to search for

2b. HotelX employee enters multiple values to search for

2b1. System returns back error message – returns “Please enter one value to search for”

**Capability 8 by Tristan Bui**

**Use Case:** Viewing Daily Report Screen

**Pre-Conditions:** Must be connected to HotelX database – For information to be displayed: Must have rooms rented

**Success End Conditions:** System returns report on the day’s activity, showing list of rooms rented out for the day including the Room Number, Guest Name, Date in, Date Out (if checked out), Amount Paid, and Total Dollars for total rooms within that day.

**Failed End Protection:** System returns no information on daily activities, employee unable to access the daily report screen.

**Trigger:** HotelX employee at the end of the night wants to view a report based off of that day’s activities. HotelX employee wants to view rooms rented that day, including information of guest of that room, room number, check-in/out date, and amount paid.

**Main Success Scenario**

1. HotelX employee pulls up report on the day’s activity

2. System -- Displays report on the day’s activity

3. System – Report displayed on screen shows list of rooms rented out for the day

4. Report – Report shows rooms including Room Number, Guest Name, Date In, Date out, Amount Paid, and Total Dollars paid for rooms within that day

5. HotelX employee is able to visually see the info on rooms rented for the day including its additional info on system screen

Extensions:

2a. HotelX employee pulls up report on the day’s activity

2a1. System displays the wrong day

2b. Hotel employee attempts to pull up report on the day’s activity

2b1. System displays “No reservations today”

3a. System displays rooms rented out for the day

3b. System displays wrong information for guests occupying said rooms