**Use Case Elaboration Form**

|  |  |
| --- | --- |
| **Use Case ID** | 1 |
| **Use Case** | View Total Profit |
| **Elaboration Phase** | Managers can view total profits, which will have a breakdown of (Profit = Total Income – Total Refunds – Total Employee paycheck) |
| **Actors** | Managers |
| **Description** | 1. Manager navigates to the system’s website. 2. Manager is prompted to login or create an account 3. Manager is given access to correct permission within the system 4. Manager is able to review total profits |
| **Priority** | Must have |
| **Non-Functional Requirements** | Manager data will be encrypted.  The system will be compatible with all smart devices. |
| **Assumptions** | All the data for (Profit = Total Income – Total Refunds – Total Employee paycheck) will be available |
| **Alternate Course** | All the data for (Profit = Total Income – Total Refunds – Total Employee pay check) will be manually inputted |

|  |  |
| --- | --- |
| **Use Case ID** | 2 |
| **Use Case** | Generate Paycheck |
| **Elaboration Phase** | Managers will be able to view a list of employees for specific dates, with hours worked and pay rates |
| **Actors** | Manager |
| **Description** | 1. Manager selects the required dates for a paycheck, and the Employee 2. The system will show hours work for selected dates 3. The system will show paycheck for selected dates 4. The system will generate a paycheck for the employee |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | The manager will select the correct dates and filters. |
| **Alternate Course** | Manager – can manually enter paycheck requirements to generate a paycheck |

|  |  |
| --- | --- |
| **Use Case ID** | 3 |
| **Use Case** | Add Room |
| **Elaboration Phase** | Manager/Receptionist can add selected rooms to the availability roster |
| **Actors** | Manager, Receptionist |
| **Description** | 1. Manager/Receptionist can select rooms that are not in the Use Case Check Room Availability 2. Manager/Receptionist can add rooms to Use Case Check Room Availability. |
| **Priority** | Must Have |
| **Non-Functional Requirements** | The system will only allow a room to be in two states: Available or Unavailable. |
| **Assumptions** | The rooms added are ready and available to be reserved. |
| **Alternate Course** | Manager/Receptionist can manually track which rooms are available and unavailable |

|  |  |
| --- | --- |
| **Use Case ID** | 4 |
| **Use Case** | Remove Room |
| **Elaboration Phase** | Manager/Receptionist can remove any room in the Use Case Check Room Availability |
| **Actors** | Manager/Receptionist |
| **Description** | 1. Manager/Receptionist selects rooms 2. System removes room from Use Case Check Room Availability |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Rooms removed are no longer available to be reserved |
| **Alternate Course** | Manager/Receptionist can manually track which rooms are available and unavailable |

|  |  |
| --- | --- |
| **Use Case ID** | 5 |
| **Use Case** | Generate Bill |
| **Elaboration Phase** | Manager/Receptionist can generate customer bill |
| **Actors** | Manager/Receptionist |
| **Description** | 1. Manager/Receptionist selects customer 2. System pulls up charges for that customer 3. System generates itemized bill |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Customer is checked in, checked out, and has paid for the room at booking |
| **Alternate Course** | Manager/Receptionist can manually generate bill based on customers length of stay |

|  |  |
| --- | --- |
| **Use Case ID** | 6 |
| **Use Case** | Refund Payment |
| **Elaboration Phase** | Manager/Receptionist can refund customers payment |
| **Actors** | Manager/Receptionist |
| **Description** | 1. Manager/Receptionist selects customer 2. Manager/Receptionist selects Refund Payment 3. System refunds payment to customer |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Customer has already paid |
| **Alternate Course** | Manager/Receptionist can manually refund customer |

|  |  |
| --- | --- |
| **Use Case ID** | 7 |
| **Use Case** | User Login/Logout |
| **Elaboration Phase** | Manager - can login to the system as an employee and have employee permission within the system  Receptionist – can login to the system as an employee and have employee permission within the system  Customer – can login to the system as a user and have user permission within the system |
| **Actors** | Manager/Receptionist/Customer |
| **Description** | 1. Manager/Receptionist/Customer navigates to the system’s website. 2. Manager/Receptionist/Customer is prompted to login or create an account 3. Manager/Receptionist /Customer is given access to correct permission within the system |
| **Priority** | Must Have |
| **Non-Functional Requirements** | Manager/Receptionist/Customer data will be encrypted.  The system will be compatible with all smart devices. |
| **Assumptions** | Manager/Receptionist/Customer will either create an account to login or already have one |
| **Alternate Course** | Manager/Receptionist/Customer forgot username or password – can reset username or password at Login screen. |

|  |  |
| --- | --- |
| **Use Case ID** | 8 |
| **Use Case** | Check Room Availability |
| **Elaboration Phase** | Manager/Receptionist/Customer will be able to view a list of vacant rooms for specific dates. |
| **Actors** | Manager/Receptionist/Customer |
| **Description** | 1. Manager/Receptionist/Customer select required dates for stay and other filter items (bed type, suit, smoking, etc..) 2. The system will show all vacant rooms available for selected dates 3. Manager/Receptionist/Customer can select a room and view room amenities |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Manager/Receptionist/Customer will select the correct dates and filters. |
| **Alternate Course** | Customer – an error occurs when the system tries to load the list of vacant rooms. The Manager/receptionist can manually tell customers which rooms are vacant. |

|  |  |
| --- | --- |
| **Use Case ID** | 9 |
| **Use Case** | Book Room |
| **Elaboration Phase** | Manager/Receptionist/Customer can reserve selected rooms for selected dates. |
| **Actors** | Manager/Receptionist/Customer |
| **Description** | 1. Manager/Receptionist/Customer reserve room from Use Case Check Room Availability. 2. Customer pays from Use Case Make payment. 3. System sends a confirmation message with payment info, rooms selected, and dates reserved. |
| **Priority** | Must Have |
| **Non-Functional Requirements** | The system will only allow one booking per room for each night (first come, first served).  Customer’s payment data is encrypted. |
| **Assumptions** | The booked room is available to be reserved. |
| **Alternate Course** | The Manager/Receptionist can reserve another room of equal quality or give an upgraded room. |

|  |  |
| --- | --- |
| **Use Case ID** | 10 |
| **Use Case** | Cancel Room |
| **Elaboration Phase** | Manager/Receptionist/Customer can unreserve any previously reserved rooms. |
| **Actors** | Manager/Receptionist/Customer |
| **Description** | 1. Manager/Receptionist/Customer select booked rooms 2. Manager/Receptionist/Customer cancels reservations 3. System makes room available again 4. System issues refund per policy |
| **Priority** | Must Have |
| **Non-Functional Requirements** | Customer’s refund data will be encrypted |
| **Assumptions** | The customer already has a reservation. |
| **Alternate Course** | System error – the canceled room isn’t added to the available rooms list. The Manager/Receptionist can manually add the room back to available room list. |

|  |  |
| --- | --- |
| **Use Case ID** | 11 |
| **Use Case** | Check-In |
| **Elaboration Phase** | Manager/Receptionist/Customer can check-in for start of stay |
| **Actors** | Manager/Receptionist/Customer |
| **Description** | 1. Manager/Receptionist/Customer login to system 2. Manager/Receptionist/Customer select reservation 3. Manager/Receptionist/Customer select check-in 4. System log them as starting there stay |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Customer has a reservation |
| **Alternate Course** | Manager/Receptionist can manually check the customer in |

|  |  |
| --- | --- |
| **Use Case ID** | 12 |
| **Use Case** | Check-Out |
| **Elaboration Phase** | Manager/Receptionist/Customer can check-out for end of stay |
| **Actors** | Manager/Receptionist/Customer |
| **Description** | 1. Manager/Receptionist/Customer login to system 2. Manager/Receptionist/Customer select reservation 3. Manager/Receptionist/Customer select check-out 4. System log them as ending there stay 5. Generates Bill using the Use Case Generates Bill |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Customer has check-in |
| **Alternate Course** | Manager/Receptionist can manually check the customer out |

|  |  |
| --- | --- |
| **Use Case ID** | 13 |
| **Use Case** | Make Payment |
| **Elaboration Phase** | Customers can make a payment for the reservation they have selected. |
| **Actors** | Customer |
| **Description** | 1. Customer logs in to the system 2. Customer selects dates, and room type based on availability 3. Customer confirms details of stay 4. Customer inputs payment info into the system 5. System will reserve customer’s room 6. System will send a confirmation email with details of the stay and payment received |
| **Priority** | Must Have |
| **Non-Functional Requirements** |  |
| **Assumptions** | Rooms that are reserved are no longer available to be booked |
| **Alternate Course** | Manager/Receptionist can manually reserve room and accept payment info over the phone |