|  |  |  |
| --- | --- | --- |
| Use Case | Move Patient to Another Bed | |
| Scenario | Move patient to another bed based on request or needs | |
| Triggering Event | The patient need to be assigned to another room | |
| Brief Description | Nurse or Administrator staff will assign patient to another bed by choosing another available bed in the same or in other room | |
| Actors | Nurse, Administrator Staff | |
| Related Use Case | Need to ‘View room List’ before move patient to another bed | |
| Stakeholders | Nurse | |
| Preconditions | - Patient must have been assigned to a bed  - Nurse doesn’t have job to help patient move to another bed | |
| Postconditions | - Patient will move to newly assigned bed  - Nurse will have job to help patient move to another bed | |
| Flow of Activities | Actor | System |
| 1. User open all room and bed list  2. User select a bed  3. User click move patient button  4. User click available bed  5. User confirm the action of the task | 1.1 System display all rooms and beds list  2.1 System display the detail of the patient staying in that bed  2.2 System display move patient button if the bed is occupied  3.1 System display all the rooms and beds list  4.1 System validate that the chosen bed has not been assigned yet  4.2 System shows a validation pop up messages  5.1 System update the detail of the current bed and change the status to ‘unusable’  5.2 System update the detail of the newly selected bed and change the status to ‘filled with patient’  5.3 System calculate the workload of all nurse  5.4 System assign new task for nurse with the least amount of task to help patient move to another bed  5.5 System send notification to the assigned nurse |
| Exception Conditions | 2.1 If the selected bed is not assigned to patient, prompt user to reselect  4.1 If the new bed chosen status is ‘filled with patient’ or ‘unusable’, prompt user to reselect  5.3 If there is no nurse available to help patient move to another bed, show an error message | |

|  |  |  |
| --- | --- | --- |
| Use Case | Create Certificate Request | |
| Scenario | Create a new certificate request for birth or death occurrence in the hospital | |
| Triggering Event | There’s a new birth or death occurrence in the hospital | |
| Brief Description | Either nurse or administrator staff will fill up a certificate request for birth or death occurrence that needs to be approved by the last doctor that handle the patient | |
| Actors | Nurse and Administrator Staff | |
| Related Use Case | Need to ‘View certificate list’ to create certificate request | |
| Stakeholders | Doctor | |
| Preconditions | - Patient should not have the requested certificate yet  - The doctor that last handle the patient have not receive the certificate approval request | |
| Postconditions | - Patient will have the request for the requested certificate  - The doctor that last handle the patient will receive the certificate approval request | |
| Flow of Activities | Actor | System |
| 1. User open all certificate list  2. User select add new certificate button  3. User fills the certificate request form | 1.1 System displays all certificates available  2.1 System display create new certificate form  3.1 System validate the patient has been registered to the system  3.2 System validate the patient must not have the same certificate request before  3.2 System save the request and change the status of the request as ‘waiting for approval’ |
| Exception Conditions | * 1. If the patient hasn’t been registered by the system, prompt the user to input another data   2. If the patient has already have the same type of certificate request before | |

|  |  |  |
| --- | --- | --- |
| Use Case | End Patient Usage of Bed | |
| Scenario | Update occupied bed status to unoccupied | |
| Triggering Event | A patient has finished or no longer need to occupied the bed | |
| Brief Description | Administrator staff select the “end usage” option from the occupied bed detail and system will display the bill of those patient | |
| Actors | Administrator Staff | |
| Related Use Case | Need to “View bed’s patient detail” to end the usage of bed | |
| Stakeholders | Cleaning Service Staff | |
| Preconditions | - Selected bed’s status must be occupied  - Cleaning service staff doesn’t have job for cleaning up bed | |
| Postconditions | - Selected bed’s status will be available  - Cleaning service staff will have job for cleaning up bed | |
| Flow of Activities | Actor | System |
| 1. User open all room and bed list  2. User select a bed  3. User select “end usage” button  4. User input the reason of termination | 1.1 System display all rooms and beds list  2.1 System display the detail of patient  3.1 System display bed termination form  4.1 System validate the reason of termination  4.2 System saves the termination form  4.3 System update the status of the bed  4.4 System search for available cleaning service staff  4.5 System assign new job for cleaning service staff  4.6 System display all the patient bill |
| Exception Conditions | * 1. Bed is occupied   4.2 Reason for termination is empty/invalid  4.4 There is no available cleaning service staff | |

|  |  |  |
| --- | --- | --- |
| Use Case | Approve New Staff Registration | |
| Scenario | Approve and assign a shift for the newly registered staff | |
| Triggering Event | An unregistered staff registered to become a staff in the application | |
| Brief Description | Administrator staff must approve and assign a staff for the newly registered staff by selecting an available shift for them | |
| Actors | Administrator Staff | |
| Related Use Case | Need to “View unapproved registration list” before approving the registration | |
| Stakeholders | Unregistered Staff | |
| Preconditions | - Unregistered staff doesn’t have shift assigned to them  - The status of the registration is unauthorized | |
| Postconditions | - Unregistered staff will have shift assigned to them  - The status of the registration will be authorized | |
| Flow of Activities | Actor | System |
| 1. User open list of unapproved registration  2. User select “approve” button of one of the request  3. User assign the shift for the request | 1.1 System display all the unapproved registration    2.1 System display the detail of the request  3.1 System validate the inputted data  3.2 System update the status of the registration to “authorized”  3.3 System save the registration data to staff collection  3.3 System show success prompt to the user |
| Exception Conditions | * 1. Email used to register is not valid   3.2 If the slot for the selected shift is not available, prompt user to select another shift | |

|  |  |  |
| --- | --- | --- |
| Use Case | Update Patient Bill Status | |
| Scenario | Update the patient payment status from unpaid to paid | |
| Triggering Event | The patient paid the necessary amount for the bill | |
| Brief Description | Administrator staff update the status of the bill after the patient pays them | |
| Actors | Administrator Staff | |
| Related Use Case | Need to “View patient detail” before able to update the patient bill status | |
| Stakeholders | None | |
| Preconditions | - The bill status is “unpaid” | |
| Postconditions | - The bill status will be updated as ‘”paid” | |
| Flow of Activities | Actor | System |
| 1. User open patient list display  2. User select a patient  3. User select “bill” button  3. User select one of the patient bill  4. User update the status of the bill as paid | 1.1 System display all patient  2.1 System display the detail of that patient  3.2 System display the list of bill of that patient  3.1 System display the detail of the bill  3.2 Validate the status of the bill  4.1 System validate the payment  4.2 System update the status of the bill |
| Exception Conditions | 3.2 Bill has been paid | |