|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case** | Edit Appointment | | |
| **Scenario** | Edit existing Appointment | | |
| **Triggering Event** | when the patient or the doctor requests to make changes to an existing appointment. | | |
| **Brief Description** | This use case handles the ability to edit an appointment, accommodating changes in date, time, location, or any other relevant details. | | |
| **Actors** | Nurse | | |
| **Related Use Case** | View All Appointment List | Because if the user wants to edit an appointment, the user must open all the appointment lists. | |
| **Stakeholders** | Patients  Doctors | | |
| **Preconditions** | 1. The patient or the doctor must have an existing appointment in the hospital system, And the appointment has not had any changes. | | |
| **Postconditions** | 1. The appointment is successfully updated with the requested changes. | | |
| **Flow of Activities** | **Actor** | | **System** |
| 1. Nurse view all appointment list  2. Nurse selects an appointment to be updated  3. Nurse input data appointment details to be updated | | 1.1 System display all appointment list  2.1 System validates the selected appointment  2.2 System displays the appointment detail, allowing the nurse to modify specific fields.  3.1 System validates the changes and ensures they meet any constraints or rules.  3.2 System updates the appointment detail  3.3 System pops up a notification because the appointment was successfully updated |
| **Exception Conditions** | 1.1 If there is no appointment list data, display data unavailable message.  2.1 If the appointment status is completed, the system displays an error message.  3.1 If the user provides invalid or incomplete information, the system displays an error message and prompts the nurse to correct the input.  3.1 If the requested changes conflict with other appointments or availability, the system notifies the nurse. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case** | Complete Appointment | | |
| **Scenario** | The doctor marks an appointment as completed. | | |
| **Triggering Event** | The Doctor concludes the appointment and needs to update the appointment detail accordingly. | | |
| **Brief Description** | This use case handles the process of marking an appointment as completed in the hospital system after the necessary medical services have been provided to a patient. | | |
| **Actors** | Doctor | | |
| **Related Use Case** | View Appointment Detail | Because if the doctor wants to complete an appointment, the user must open the appointment detail first. | |
| Create Appointment Result | Because the doctor must input patient’s diagnoses and patient’s symptoms. | |
| **Stakeholders** | Pharmacist | | |
| **Preconditions** | 1. The appointment must exist in the hospital system.  2. The status of an appointment is still in complete. | | |
| **Postconditions** | 1. The appointment is successfully marked as completed in the hospital system.  2. Any relevant follow-up actions, such as billing, create prescription, set appointment result, or scheduling follow-up appointments, can be initiated based on the completed status. | | |
| **Flow of Activities** | **Actor** | | **System** |
| 1. Doctor view own’s appointment list  2. Doctor selects an appointment to Complete  3. Doctor confirms the completion of the appointment  4. Doctor scheduling next follow up appointments with current patient  5. Doctor create prescription for current patient  6. Doctor set appointment result for current patient | | 1.1 System display doctor’s appointment list  2.1 System validates the selected appointment  2.2 System displays the appointment detail  3.1 System validates the completion of appointment and ensures they meet any constraints or rules.  3.2 System updates the appointment status as completed  3.3 System pops up a notification because the completed appointment.  3.4 System prompts the provider to initiate follow-up actions, such as billing, create prescription, set appointment result, or scheduling follow-up appointments  4.1 System validates the schedule and ensures that there are no schedule conflicts between patients  4.2 System input the next schedule appointment  5.1 System input prescription for the current patient  6.1 System input appointment result and set consultation fee to be added for the current patient |
| **Exception Conditions** | 1.1 If there is no appointment list data, display data unavailable message.  3.1 If the appointment status is not in progress, the system displays an error message  4.1 If there are conflicts between appointment schedules, the system displays an error message | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case** | Edit Prescription Detail | | |
| **Scenario** | The doctor wants to change the data on the prescription | | |
| **Triggering Event** | The doctor identifies a need to make changes to a specific prescription detail for a patient. | | |
| **Brief Description** | This use case handles the ability to edit the details of a prescription in the hospital system,  Allowing doctor to update medication-related information as needed for patient care. | | |
| **Actors** | Doctor | | |
| **Related Use Case** | View All Prescription List | Because if the doctor wants to edit a prescription, the doctor must open all the prescription lists. | |
| **Stakeholders** | Pharmacist | | |
| **Preconditions** | 1. The appointment status of a patient must be complete.  2. The status of the prescription process is incomplete, so it can still be edited. And the data from the prescription has not been modified. | | |
| **Postconditions** | 1. The prescription details are successfully updated in the hospital system with the requested changes. | | |
| **Flow of Activities** | **Actor** | | **System** |
| 1. Doctor view all prescription list  2. Doctor selects a prescription to be updated  3. Doctor input data prescription details to be updated | | 1.1 System display all prescription list  2.1 System validates the selected prescription  2.2 System displays the prescription detail, allowing the doctor to modify specific fields.  3.1 System validates the changes and ensures they meet any constraints or rules.  3.2 System updates the prescription detail  3.3 System pops up a notification because the updated prescription. |
| **Exception Conditions** | 1.1 If there is no prescription list data, display data unavailable message.  3.1 If the prescription status is not queue, the system displays an error message.  3.1 If the user provides invalid or incomplete information, the system displays an error message and prompts the user to correct the input. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case** | Add non-routine job | | |
| **Scenario** | An administration staff add a non-routine job or task. | | |
| **Triggering Event** | The administration staff identifies a need to add a non-routine job or task to the hospital system. | | |
| **Brief Description** | This use case handles the process of adding a non-routine job or task to the hospital system,  Enabling administration staff to document and track special requests or unique services that fall outside the regular workflow. | | |
| **Actors** | Administration Staff | | |
| **Related Use Case** | View Staff List | Because if the administration staff wants to add non-routine job, the administration staff must open all the staff lists. | |
| **Stakeholders** | Staff | | |
| **Preconditions** | 1. Relevant information about the non-routine job or task, such as the job detail or scheduling, should be available. | | |
| **Postconditions** | 1. The non-routine job or task is successfully added to staff job. | | |
| **Flow of Activities** | **Actor** | | **System** |
| 1. Administration Staff view all Staff List  2. Administration Staff selects staff to add non routine job  3. Administration Staff input data non-routine job to assign | | 1.1 System display staff list  2.1 System validates the selected staff  2.2 System displays the staff detail  3.1 System validates the entered shift information, checking for completeness and correctness.  3.2 System adds the non-routine job or task  3.3 System creates a notification about the new non-routine job  3.4 System pops up a notification because the new non-routine job |
| **Exception Conditions** | 1.1 If there is no Staff list data, display data unavailable message.  3.1 If the user provides invalid or incomplete information, the system displays an error message and prompts the nurse to correct the input.  3.1 If the staff has exceeded their shift and if there is already another job in that shift | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case** | Assign Patient To Another Room or Bed | | |
| **Scenario** | The Administration Staff or Nurse assign a patient to another room or bed. | | |
| **Triggering Event** | The Administration Staff or Nurse identifies a need to assign a patient to another room or bed within the hospital. | | |
| **Brief Description** | This use case handles the process of assigning a patient to another room or bed within the hospital system. | | |
| **Actors** | Administration Staff, Nurse | | |
| **Related Use Case** | View Registered Patients | because we want to check whether the patient has been registered and will update the patient data. | |
| View All Room | Because if the administration staff or nurse wants to assign patient to room or bed, the administration staff or nurse must open all the room lists. | |
| **Stakeholders** | Staff | | |
| **Preconditions** | 1. The patient must already be registered by Administration Staff.  2. The patient has not been assigned to any bed.  3. The new rooms or beds are available. | | |
| **Postconditions** | 1. The patient is successfully assigned to another room or bed within the hospital.  2. The new room or bed assignment is updated in the hospital system and reflected in the patient record, as well as all classes associated with the patient bed or room.  Assign job to nurse. | | |
| **Flow of Activities** | **Actor** | | **System** |
| 1. Administration Staff or Nurse view all room list  2. Administration staff or Nurse selects the bed to assign the patient  3. Administration Staff or Nurse input patient data to be assigned | | 1.1 System display all room list  2.1 System validates the selected bed  2.2 System provides a form for assigning a new room or bed for the patient  3.1 System validates the entered form information, checking for completeness and correctness.  3.2 System assigns new room or bed for selected patient.  3.3 System pops up a notification because the new assigned room or bed |
| **Exception Conditions** | 1.1 If there is no room list data, display data unavailable message.  3.1 if the selected room or bed has already been taken by another patient at that time, the system displays an error message. | | |