

Use case: Manage Patient Admissions
ID: UC001
Actors: Receptionist, Administrative Personnel
Preconditions: <ul style="list-style-type: none"> - Hospital staff has access to the Hospital Management System. - Patient information is available in the system. - The hospital has the necessary medical and billing infrastructure.
Flow of events: <ol style="list-style-type: none"> 1. The Front Desk Staff or Administrative Personnel logs into the Hospital Management System. 2. The staff selects the "Admissions" function in the system. 3. The system prompts the staff to enter patient information, including personal and insurance details. 4. The staff enters the patient information. 5. The system validates the entered information. 6. If the validation is successful, the system generates a unique patient ID. 7. The system generates an admission record for the patient. 8. The staff assigns a room to the patient and updates the patient's status as "Admitted" in the system. 9. The system updates the patient's record with the assigned room and updates the availability of beds. 10. The system notifies the relevant departments about the new admission. 11. The staff provides the patient with necessary forms and instructions.

Alternative flow:

- If the validation of patient information fails in step 5, the system displays an error message and prompts the staff to correct the information.
- If there are no available beds in step 8, the system displays a notification to the staff, indicating the unavailability of beds. The staff may choose to either assign an alternative room or reschedule the admission.

Postconditions:

- The patient's admission information is recorded in the system.
- The patient is assigned a unique patient ID.
- The availability of beds is updated in the system.
- The relevant departments are notified of the new admission.

Use case: Schedule Patient Appointments**ID:** UC002**Actors:** Front Desk Staff, Administrative Personnel**Preconditions:**

- Hospital staff has access to the Hospital Management System.
- Patient information is available in the system.
- The hospital has the necessary medical and billing infrastructure.

Flow of events:

1. The Receptionist or Administrative Personnel logs into the Hospital Management System.
2. The staff selects the "Appointments" function in the system.
3. The system displays the available doctors and their schedules.
4. The staff selects the desired doctor and appointment date.
5. The system checks the availability of the selected doctor for the chosen date and time.
6. If the time slot is available, the system schedules the appointment.
7. The system generates a confirmation message with the appointment details.
8. The staff informs the patient about the scheduled appointment.

Alternative flow:

- If the selected doctor is not available for the chosen date and time in step 5, the system displays a notification to the staff, indicating the unavailability. The staff may choose to either suggest an alternative doctor or select a different appointment date and time.

Postconditions:

- The appointment is scheduled and recorded in the system.
- The patient is notified about the scheduled appointment.