



# RIPHAH INTERNATIONAL UNIVERSITY

## Project Artifacat#2

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Course: Software Construction and development



### **View Daily Assigned Patients & Schedule:**

<b>Use case section</b>	<b>Details</b>	
Use Case No	4.1	
Use case name	View Daily Assigned Patients & Schedule	
Actor	Nurse	
Type	Primary	
Description	Nurse views the list of patients assigned for the day along with their schedule.	
Preconditions	Nurse must be logged in.	
Postconditions	Assigned patients and schedule are displayed.	
Main Success Flow	<b>Actor Action:</b> 1. Nurse selects “Assigned Patients & Schedule”.  <b>System Response</b> 2. System retrieves assigned patients. 3. System displays the list and schedule.	
Alternative Flow	A1.1 If no patients assigned, system shows “No patients assigned for today.”	

### **View Duty Location**

<b>Use case section</b>	<b>Details</b>	
Use Case No	4.2	
Use case name	View Duty Location	
Actor	Nurse	
Type	Primary	
Description	Nurse views their assigned duty location (ward/room/department).	
Preconditions	Nurse must be logged in.	
Postconditions	Duty location is displayed.	
Main Success Flow	<b>Actor Action</b> 1. Nurse selects “Duty Location”.  <b>System Response</b> 2. System fetches assigned location. 3. System displays the duty location.	
Alternative Flow	A1.1 If no location assigned, system shows “No duty location assigned.”	

## View Shift Timing:

Use case section	Details	
Use Case No	4.3	
Use case name	View Shift Timing	
Actor	Nurse	
Type	Primary	
Description	Nurse views start and end time of their shift.	
Preconditions	Nurse must be logged in.	
Postconditions	Shift timing is displayed.	
Main Success Flow	<b>Actor Action</b> 1. Nurse selects “Shift Timing”.	<b>System Response</b> 2. System retrieves shift duration. 3. System displays shift start–end time.
Alternative Flow	A1.1 If shift info missing, system shows “Shift information unavailable.”	

## Record & Update Patient Vitals:

Use case section	Details	
Use Case No	4.4	
Use case name	Record & Update Patient Vitals	
Actor	Nurse	
Type	Primary	
Description	Nurse records and updates patient vitals: BP, temperature, pulse.	
Preconditions	Nurse must have access to patient records.	
Postconditions	Updated vitals saved successfully.	
Main Success Flow	<b>Actor Action</b> 1. Nurse selects a patient.  3. Nurse enters vitals.	<b>System Response</b> 2. System opens patient record.  4. System validates the vitals.
Alternative Flow	A1.1 If vitals invalid, system shows “Enter valid vitals.”	

## Mark Triage Level:

Use case section	Details	
Use Case No	4.5	
Use case name	Mark Triage Level	
Actor	Nurse	
Type	Primary	
Description	Nurse selects a triage level for an emergency patient.	
Preconditions	Patient must be listed as emergency.	
Postconditions	Triage level updated.	
Main Success Flow	<b>Actor Action</b> 1. Nurse opens emergency patient record.  3. Nurse selects Critical/Serious/Stable.	<b>System Response</b>  2. System shows triage options.  4. System updates triage status.
Alternative Flow	A1.1 If no option selected, system shows “Please select a triage level.”	

## Update Patient Progress Notes

Use case section	Details	
Use Case No	4.6	
Use case name	Update Patient Progress Notes	
Actor	Nurse	
Type	Primary	
Description	Nurse updates the patient's daily progress notes.	
Preconditions	Nurse must access patient record.	
Postconditions	Notes updated successfully.	
Main Success Flow	<b>Actor Action</b> 1. Nurse selects a patient.  3. Nurse writes/updates notes.	<b>System Response</b>  2. System loads notes section.  4. System saves the notes.
Alternative Flow	A1.1 If notes empty, system shows “Notes cannot be blank.”	

## Send Emergency Doctor Alert

Use case section	Details	
Use Case No	4.7	
Use case name	Send Emergency Doctor Alert	
Actor	Nurse	
Type	Primary	
Description	Nurse sends an alert to the doctor during emergency conditions.	
Preconditions	Nurse must be logged in and assigned to patient.	
Postconditions	Doctor receives alert.	
Main Success Flow	<b>Actor Action</b> 1. Nurse selects “Emergency Alert”.  3. Nurse confirms sending.	<b>System Response</b>  2. System prepares the alert.  4. System sends alert. 5. System shows “Alert sent successfully.”
Alternative Flow	A1.1 If alert fails, system shows “Alert sending failed, try again.”	