

# USE CASES

## 1 Monthly Report Use Cases

Create Monthly Report	
<b>Actors</b>	Nurse, Nurse Supervisor
<b>Preconditions</b>	<ul style="list-style-type: none"><li>• The nurse is logged into the system.</li><li>• The nurse has the necessary permissions to generate the monthly report.</li></ul>
<b>Normal Flow</b>	<ol style="list-style-type: none"><li>1. The nurse logs into the system.</li><li>2. The nurse generates the monthly report.</li><li>3. The nurse modifies and completes the report.</li><li>4. The nurse submits the report.</li><li>5. The system notifies the nurse supervisor that the report is ready for review.</li><li>6. The nurse supervisor reviews the report.</li><li>7. The nurse supervisor approves the report.</li></ol>
<b>Postconditions</b>	<ul style="list-style-type: none"><li>• The report is successfully submitted and approved.</li><li>• The report is stored in the system for future reference.</li></ul>
<b>Alternate Flows and Exceptions</b>	<b>Missing Required Data:</b> If the nurse attempts to create the report without entering all required data, the system displays an error message "Please fill out the required fields before submitting."
<b>Non-functional Requirements</b>	The interface should be user-friendly.

<b>Modifying Monthly Report</b>	
<b>Actors</b>	Nurse
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• The nurse is logged into the system.</li> <li>• A draft report exists for the current month.</li> </ul>
<b>Normal Flow</b>	<ol style="list-style-type: none"> <li>1. The nurse selects an existing monthly report.</li> <li>2. The nurse makes modifications to the report content.</li> <li>3. The nurse saves the changes.</li> <li>4. The nurse submits the modified report.</li> </ol>
<b>Postconditions</b>	The updated report is saved and ready for review by the nurse supervisor.
<b>Alternate Flows and Exceptions</b>	<ul style="list-style-type: none"> <li>• <b>Report Already Submitted:</b> If the report is already submitted, the system prevents modifications and displays message “Form has already been submitted for this month.”</li> <li>• <b>Unauthorized Access:</b> If the nurse attempts to access the report creation feature without the proper role or permissions, the system displays an error: “You do not have permission to access this report.”</li> </ul>
<b>Non-functional Requirements</b>	The interface should clearly tell the user when a new monthly report is ready and if completed.

<b>Approve or Return Report</b>	
<b>Actors</b>	Nurse Supervisor
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• The nurse supervisor is logged into the system.</li> <li>• A monthly report has been submitted by the nurse.</li> </ul>

<b>Normal Flow</b>	<ol style="list-style-type: none"> <li>1. The nurse supervisor reviews the submitted monthly report.</li> <li>2. The nurse supervisor checks the report for completeness and accuracy.</li> <li>3. If satisfactory, the nurse supervisor approves the report.</li> <li>4. If unsatisfactory, the nurse supervisor returns it with comments for revision.</li> </ol>
<b>Postconditions</b>	<ul style="list-style-type: none"> <li>• If approved, the report is marked as finalized in the system.</li> <li>• If returned, the report is sent back to the nurse for modification.</li> </ul>
<b>Alternate Flows and Exceptions</b>	<ul style="list-style-type: none"> <li>• <b>Report Invalid:</b> If the report does not meet the minimum required criteria, the nurse supervisor sends it back for revision.</li> <li>• <b>Report Already Approved:</b> If the nurse supervisor attempts to return a report that has already been approved, the system shows an error.</li> <li>• <b>Unauthorized Access:</b> If the nurse supervisor attempts to access the report without the proper role or permissions, the system displays an error.</li> </ul>
<b>Non-functional Requirements</b>	The system must store versions of the report for history tracking.

## 2 System Management Use Cases

<b>Use Case Name</b>	System Management
<b>Actors</b>	System Administrator (IT)
<b>Preconditions</b>	The system administrator is logged into the system with administrative privileges.

<b>Normal Flow</b>	<ol style="list-style-type: none"> <li>1. The system administrator accesses the "User Management" section.</li> <li>2. The administrator selects an action: create, edit, or delete a user.</li> <li>3. <b>Create User:</b> <ul style="list-style-type: none"> <li>• The administrator enters user details (name, role, email, password).</li> <li>• The administrator selects the role of the user (nurse or nurse supervisor).</li> <li>• The system validates the details and creates the user account.</li> <li>• The system sends a notification to the new user.</li> </ul> </li> <li>4. <b>Edit User:</b> <ul style="list-style-type: none"> <li>• The administrator searches for an existing user.</li> <li>• The administrator selects and modifies user details.</li> <li>• The system saves the changes.</li> </ul> </li> <li>5. <b>Delete User:</b> <ul style="list-style-type: none"> <li>• The administrator selects a user to delete.</li> <li>• The administrator confirms the deletion.</li> <li>• The system removes the user and handles associated data accordingly.</li> </ul> </li> </ol>
<b>Postconditions</b>	<p>The user is successfully created, edited, or deleted, with the system reflecting the changes.</p>
<b>Alternate Flows and Exceptions</b>	<ul style="list-style-type: none"> <li>• <b>Duplicate User:</b> If a user with the same email or username exists, the system shows an error.</li> <li>• <b>Unauthorized Access:</b> If a user without sufficient privileges attempts to manage users, access is denied with an error message.</li> </ul>

<b>Non-functional Requirements</b>	<ul style="list-style-type: none"><li>• User actions (creation, deletion, editing) must be logged for audit purposes.</li><li>• If deleting a user, the system should offer a warning.</li></ul>
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