

USE CASES

1 Monthly Report Use Cases

Create Monthly Report	
Actors	Nurse, Nurse Supervisor
Preconditions	<ul style="list-style-type: none">• The nurse is logged into the system.• The nurse has the necessary permissions to generate the monthly report.
Normal Flow	<ol style="list-style-type: none">1. The nurse logs into the system.2. The nurse generates the monthly report.3. The nurse modifies and completes the report.4. The nurse submits the report.5. The system notifies the nurse supervisor that the report is ready for review.6. The nurse supervisor reviews the report.7. The nurse supervisor approves the report.
Postconditions	<ul style="list-style-type: none">• The report is successfully submitted and approved.• The report is stored in the system for future reference.
Alternate Flows and Exceptions	Missing Required Data: 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."
Non-functional Requirements	The interface should be user-friendly.

Modifying Monthly Report	
Actors	Nurse
Preconditions	<ul style="list-style-type: none"> • The nurse is logged into the system. • A draft report exists for the current month.
Normal Flow	<ol style="list-style-type: none"> 1. The nurse selects an existing monthly report. 2. The nurse makes modifications to the report content. 3. The nurse saves the changes. 4. The nurse submits the modified report.
Postconditions	The updated report is saved and ready for review by the nurse supervisor.
Alternate Flows and Exceptions	<ul style="list-style-type: none"> • Report Already Submitted: If the report is already submitted, the system prevents modifications and displays message “Form has already been submitted for this month.” • Unauthorized Access: 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.”
Non-functional Requirements	The interface should clearly tell the user when a new monthly report is ready and if completed.

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

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

Use Case Name	Automated Report Processing
Actors	System (Automated Processes)
Preconditions	The system is running and has access to relevant data sources.

Normal Flow	<ol style="list-style-type: none"> 1. The system collects contraceptive data from inventory records. 2. The system calculates current inventory levels based on stock updates. 3. The system generates a financial summary report, including revenue and expenses. 4. The system identifies restocking needs by comparing inventory levels with predefined thresholds. 5. The system compiles the processed data into a structured report. 6. The system sends notifications to relevant stakeholders if restocking is required.
Postconditions	The report is successfully generated and relevant stakeholders are informed about inventory and financial summaries.
Alternate Flows and Exceptions	<ul style="list-style-type: none"> • Data Unavailable: If inventory or financial data is missing, the system logs an error and alerts administrators. • Low Inventory: If inventory levels fall below the threshold, the system triggers an urgent restocking request.
Non-functional Requirements	<ul style="list-style-type: none"> • The system should log all automated actions for auditing purposes.