**Admin – User Stories & Acceptance Criteria**

**1. Manage Users (Nurses and Parents)**

**User Story**:  
*As an Admin, I want to approve or reject nurses and parents, so that I can control who accesses the system.*

**Acceptance Criteria**:

* Admin can view a list of pending users.
* Admin can approve or reject any user request.
* Approved users receive access; rejected users are notified.

**2. Monitor Verification Activities**

**User Story**:  
*As an Admin, I want to monitor the verification activities of nurses, so I can track performance and ensure safety.*

**Acceptance Criteria**:

* Admin can view a log of all verifications, including:
  + Nurse name
  + Time of verification
  + Success/failure status
* If a nurse fails verification 3 times, they are flagged for retraining.

**3. View and Manage Nurse Profiles**

**User Story**:  
*As an Admin, I want to view and manage nurse profiles and their login history, so I can audit their actions.*

**Acceptance Criteria**:

* Admin can search for any nurse.
* Admin can view profile info and login times.
* Admin can deactivate a nurse account.

**4. Manage Baby Records**

**User Story**:  
*As an Admin, I want to search for, view, and delete baby records, so I can maintain accurate and clean data.*

**Acceptance Criteria**:

* Admin can search by baby name, MRN, or QR code.
* Admin can view full baby profile.
* Admin can delete a baby record with a confirmation step.

**5. Internal Messaging**

**User Story**:  
*As an Admin, I want to message parents and nurses, so I can communicate important information.*

**Acceptance Criteria**:

* Admin can send and receive messages to/from nurses and parents.
* Message history is stored and viewable.

**Nurse – User Stories & Acceptance Criteria**

**1. Add and Search for a Baby**

**User Story**:  
*As a Nurse, I want to add and search for baby records, so I can manage and verify milk delivery efficiently.*

**Acceptance Criteria**:

* Nurse can create a baby record with MRN, name, DOB, and biometric data.
* Nurse can search by name, MRN, or QR code.

**2. Add Milk Delivery Info**

**User Story**:  
*As a Nurse, I want to log milk delivery details, so that it is linked accurately to the baby.*

**Acceptance Criteria**:

* Nurse inputs expression date, delivery date, volume.
* Bottle ID number auto generated.
* Data is linked to the baby via MRN and QR.

**3. Perform Milk Verification**

**User Story**:  
*As a Nurse, I want to verify milk before giving it to a baby, so I can ensure it’s matched correctly.*

**Acceptance Criteria**:

* Nurse 1 scans bottle QR.
* System checks baby via:
  + QR band
  + Face photo
  + Retina scan
  + Footprint
* Nurse 2 receives and confirms verification request.
* If no match, second-level check with mother info is triggered.

**4. Handle Verification Failure**

**User Story**:  
*As a Nurse, I want to identify when a mismatch occurs, so I can take corrective action.*

**Acceptance Criteria**:

* If milk doesn't match the baby, system prompts to check mother.
* Nurse can verify mother via ID or fingerprint.
* If successful, a message is logged and QR is updated.

**5. Record Milk Usage**

**User Story**:  
*As a Nurse, I want to log how much milk was used or discarded, so the system can track total milk volume.*

**Acceptance Criteria**:

* Nurse selects the bottle.
* Enters amount used and discarded.
* Totals are updated in the system.

**6. View Parent Info**

**User Story**:  
*As a Nurse, I want to view parent profiles, so I can ensure the correct pairing and perform second-level verification.*

**Acceptance Criteria**:

* Nurse can search for a parent by ID or name.
* Nurse can view their photo and info (name, ID, fingerprint).

**7. Internal Messaging**

**User Story**:  
*As a Nurse, I want to send and receive messages with parents and the admin, so I can clarify issues.*

**Acceptance Criteria**:

* Nurse can message admin and parents.
* Message history is saved.

**Parent – User Stories & Acceptance Criteria**

**1. View Profile and Milk Info**

**User Story**:  
*As a Parent, I want to view my profile and see the amount of milk available, so I can track my baby's feeding status.*

**Acceptance Criteria**:

* Parent can log in and see:
  + Baby’s profile
  + Total bottles available
  + Remaining milk volume

**2. Messaging Capability**

**User Story**:  
*As a Parent, I want to message the nurse or admin, so I can ask questions or follow up on issues.*

**Acceptance Criteria**:

* Parent can send messages to assigned nurse or admin.
* Can view replies and message history.