Software Requirements Specification (SRS)
for Baby Day Care Center

1. Introduction

Purpose: The purpose of this document is to provide a detailed description of the software requirements for a baby day care center database system.

Scope: This system will manage information related to children, parents, staff, activities, doctors, medical records, emergency contacts and payments.

2. System Description

System Overview: The system will facilitate the day-to-day operations of the day care center, including managing enrollments, storing medical records, and scheduling activities.

3. Functional Requirements

3.1 Registration and Management of Children

Description: Allow registration of new children and manage their profiles.

Detailed Requirements:
- Capture child's first name, last name, date of birth, gender, allergies, emergency contacts, and parent information,medical information.
- Each child must have at least one parent associated.
- Support addition, modification, and deletion of child records.

3.2 Parent Management

Description: Manage information related to parents or guardians of the children.

Detailed Requirements:
- Store parent's name, phone number, email address, home address, and relationship to child.
- Allow addition, modification, and deletion of parent records.
- Support linking multiple children to the same parent.

3.3 Staff Management

Description: Manage staff details.

Detailed Requirements:
- Capture staff member's name, position, date of hire, phone number, email address, address.
- Support addition, modification, and deletion of staff records.

3.4 Activity Management

Description: Schedule and manage activities for children at the day care center.

Detailed Requirements:
- Create activities with names, descriptions, suitable age groups, schedules, and assigned staff members.
- Allow addition, modification, and deletion of activities.

4. Non-Functional Requirements

4.1 Security Requirements

Ensure data privacy and security through role-based access controls.
Encrypt sensitive information such as medical records.

4.2 Performance Requirements

The system should handle simultaneous access from multiple users without significant performance degradation.
Response times for common operations (e.g., registration, payments) should be fast (within seconds).

4.3 Reliability Requirements

Implement regular database backups to prevent data loss.
Ensure high availability of the system to support uninterrupted operations.

4.4 Scalability Requirements

Design the database and system architecture to handle a growing number of children, parents, staff, and activities over time.

4.5 Usability Requirements

Provide a user-friendly interface for easy navigation and data entry.
Ensure that staff with varying levels of technical proficiency can use the system effectively.

5. Other Requirements
5.1 Reporting
Implement reporting functionalities to generate insights on enrollment statistics, staff performance.

This SRS outlines the essential features, functionalities, and performance expectations for the baby day care center database system. It serves as a blueprint for development and implementation, ensuring that the final software meets the needs of the day care center effectively.