**REQUIREMENTS DOCUMENT**

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Project Name: Sunny Day Care

**Input Functions—**The system must accept the following inputs:

* Check-In/Check-out Times
* Child/Client Demographics (ie Name, Address, Phone)
* Medical Information of Child
* Child specific restrictions (ie Allergies, Religious Restrictions)
* Incidents and Complaints against a Client/Child/Employee
* Employee credentials for the system
* Input Calendar Events

**Output Functions**—The system must generate the following outputs:

* Client/Child Demographics
* Billable Invoices for each Week/Month/Year
* List of Child Allergies/Medical Restrictions
* List of Clients allowed to pick up a specific Child
* List of Children allowed to be picked up a specific Client
* Report of any Incidents/Complaints with a Child/Client/Employee
* Display Calendar events

**Storage Functions—**The system must maintain the following data:

* MySQL Database
* 3NF Normalization of Tables
* Connect to database with PHP
* The data given in the Input section (Check-In/Out, Demographics, etc.)
* Maintain a running log of Check-In/Out times

**Control Functions—**The system must enforce the following controls:

* Validate the permissions level of the employee when making Client/Child changes
* Validate that each field in the Client/Child entry form is of the appropriate type and pattern (alpha string, integer, email, etc)
* When performing a Check-In/Check-Out: make sure Child is checked-in before checking-out (vice-versa)
* Check for any Incidents/Alerts/Holds on a Client/Child account, such as if the Client has paid the Child’s bill.
* Check if the Client/Child lives within certain cities in the area
* Sanitize entry fields for XSS and SQL Injection attacks.
* Database validation by data type.
* Encrypt/Encode data exchange.