

Childcare Management System

Objective: manage the data to day operations of a childcare facility.

The system will be developed a multi-browser compatible cloud-based web-application. You are allowed to chose your own technology stack and your own design.

The system will have the following user roles:

- **System Administrator**
 - Complete view of the system
 - The admin can create and provide access to new school facilities which are looking to utilize this software application
- **Facility Administrator**
 - This will represent the facility admin which is essentially the front office and manage the entire application for their staff and the parents enrolling their children
 - The functionality of the facility admin is defined below
 - Manage enrollments of children
 - Enroll a child
 - Child: 1st name, last name, DOB, allergies; Parent: names, phone number, address, and consent form for enrolling their child
 - Withdraw a child
 - Put a child in a waiting list if there is no spot available
 - Manage Staff
 - Hire a staff
 - 1st name, last name, DOB, address, phone number, hourly salary
 - Terminate a staff
 - Assign a staff to a classroom
 - Manage your classroom enrollments
 - Every classroom will have an assigned capacity
 - Infant: 8
 - Toddler: 12
 - Twaddler: 16
 - 3 Years Old: 18
 - 4 Years Old: 20
 - Manage Daily Attendance
 - Daily Sign-in and Sign-out at the time of drop offs and pick ups
 - Manage the Accounting Ledger
 - Each classroom has a assigned tuition fee
 - Infant: \$300/wk
 - Toddler: \$275/wk
 - Twadler: \$250/wk
 - 3 Years Old: \$225/wk
 - 4 Years Old: \$200/wk
 - Tuitions are automatically Charged every week at the beginning of the week

- Collect payment every week
 - Show the ledger for each child
- Teacher Assignment rules:
 - For infant classroom: assign 1 teacher for a group of up to 4 children. That means if there are 3 children enrolled then there must be 1 teacher present. However, if there are more than 4 children present (5-8) then there must be 2 teachers in order to maintain the right ratios.
 - Toddler Ration is up to 6 children per teacher
 - Twadller ratio is up to 8 children per teacher
 - 3 years ratio is up to 9 children per teacher
 - 4 years ratio is up to 10 children per teacher
- Reports
 - daily attendance organized per classroom
 - daily absence organized as per classroom
 - total money earned during a week by all enrollments
 - total money billed during the week
- Facility as an entity in the system
 - Name of the facility
 - Address
 - Phone number
 - Admin information
 - Name, email, contact
 - License number of the facility
- **Attendance tracker system**
 - Select the day and time
 - Teachers and children can check in and out
- **Teachers**
 - Teachers can be invited to register with the system (with their email address)
 - They can view their weekly attendance
 - View the salary they earned during a week
 - You can view the hours worked by teacher during a week
 - When a teacher comes to the facility, they signin and when they leave, they signout
- **Parents**
 - When parents come to register their children, invite them to create their account using their email address
 - Parents can login into the system and do the following:
 - Make a payment
 - view their child ledger
 - view the child related enrollment information
 - Modify the enrollment information (anything other than the Date of birth of the child)
 - Request for withdrawal of their child

- view the child attendance
 - Weekly attendance
 - Monthly attendance

Requirement definition:

- Week: is a period defined Monday through Friday.