

Feasibility Study

The Group

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The Client

Single site child development center (daycare center) looking for a digital system to organize and sync day-to-day routines to move away from their pen and paper system.

Project Description

Benefits

Some benefits of our system vs. pen and paper system currently in use:

- Always in sync between the staff.
- Improves communication between teachers and parents.
 - Sickness
 - Special Needs
 - Classroom Changes
 - Issues / Praise throughout the day
 - etc
- Improve the record keeping - more accountability.
- Streamlines sign in / out process.
- Medication / routine reminders for teachers.

A Preliminary Requirements Analysis

Main features for each different type of views:

- **On-Site Public Client**
 - RFID reader to quickly pull up child information
 - Sign children in / out
 - View child current classroom
 - Update notes for child
 - Ability to sync information to the database
- **Teacher Client**
 - Runs on small tablets or phones
 - Ability to move children to another class

- Supports notifications for specific events
 - Medication times
 - Signed out
 - Messages / Notes from parents
- Ability to send messages to parents about specific kids
- Ability to send messages to all parents for classroom events
- Accountability checks: Visual checklist for every child in the class
- **Administrative Client**
 - Web client
 - Different account types for particular areas of the system
 - View of all information
 - Time scheduling
 - Staff management
 - Add new staff user accounts
 - Change their permissions
 - Child / Parent registration
 - Picture of parent and their children
 - Get information of the parent to create their account and link the child account to the parent
 - Assign an RFID key fob for login purposes
 - Manage [simulated] payment information for parents
- **Parent Client**
 - Phone app or web based (Some features require compatible hardware)
 - View child current classroom
 - Notification for child classroom changes
 - Add notes or timed reminders for medication, etc.
 - View teacher's notes on children
 - View teacher's notes on classroom activities
 - Reminders for updating information or annual registration
 - Add / change payment methods
- **Database**
 - Child, parent, teacher, and staff information
 - Payment, contact, other official information for parents and children
 - Medical needs, etc for children
 - Login information and permissions for all types of accounts
 - Child, parent, and default teacher links (know which children go with which parents and teachers)

Technical Requirements - Feasibility

Scope

Risk Analysis

Conclusion