Daycare Management System

Welcome!

This is an overview of the database and back-end structure behind my project For this project we've implemented a Daycare Management System, designed for efficient management of staff, parents, child attendance, learning activities, billing and more ...



1 Use SQL statement

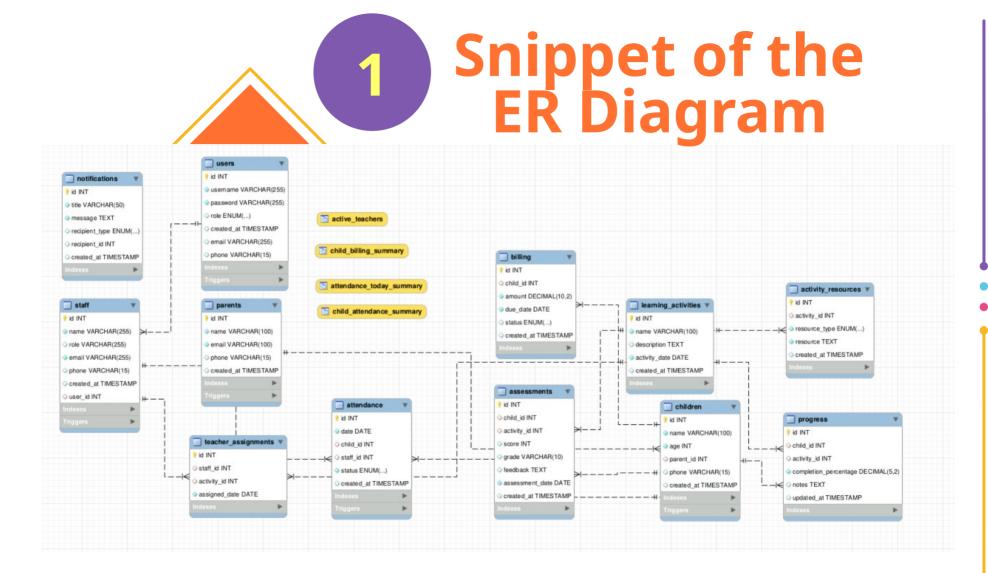
Create table

3 Insert into table

Alter table

4

5 Delete table



3

Isolation level

This database uses MySQL and is using the default isolation level "REPEATABLE READ" to avoid dirty read and prevent non-repeatable reads while maintaining performance

Isolation levels are applied at the transaction level Example of the store procedure

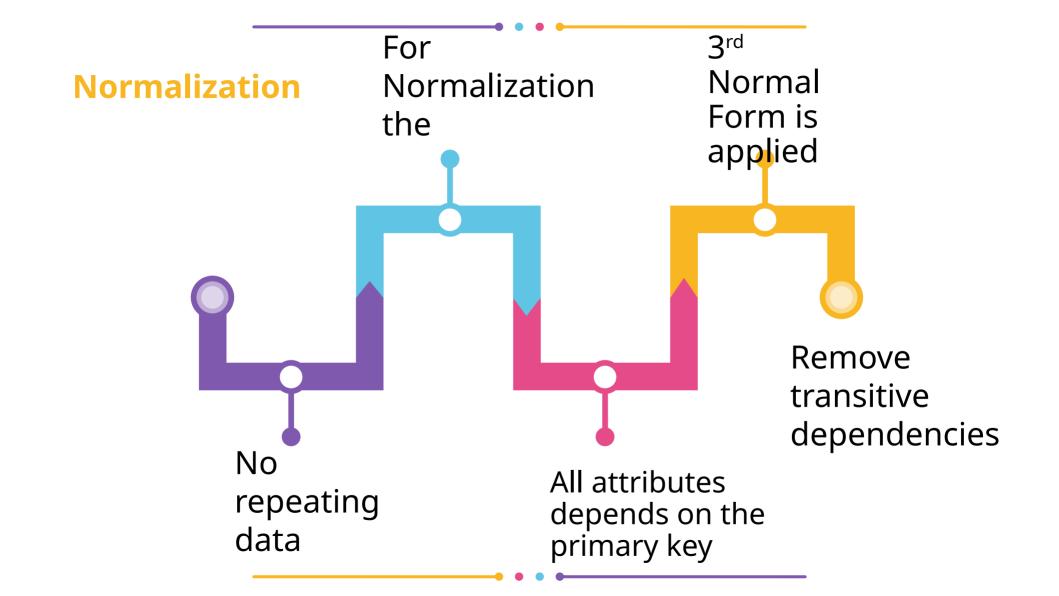
(create_billing_for_attendance)

To ensure that billing is created only once per attendance entry, even if multiple staff are using the system simultaneously.





Logical relationships with foreign keys



Database made of 12 tables each with the CRUD functionality



Users

- Contains the users separated by role.
- Admin and Staff

Parent

Contains parents information



Children

Contains child information



Attendance

 Keep track of children's attendance

View

These allow staff to retrieve meaningful data without complex queries.

create_billing_for_attendance

- to get list of active staff.

create_billing_for_attendance

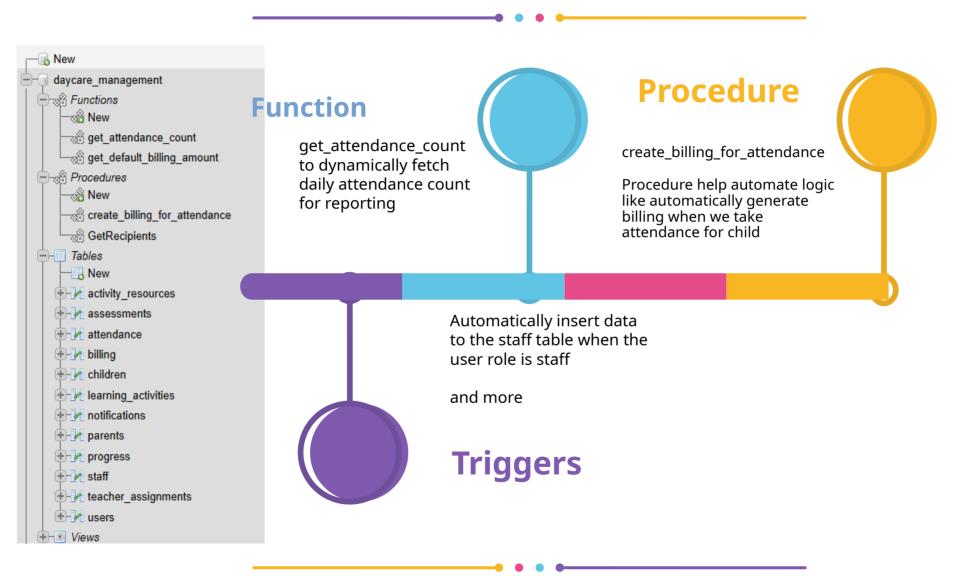
- for staff to view number of child present.

create_billing_for_attendance

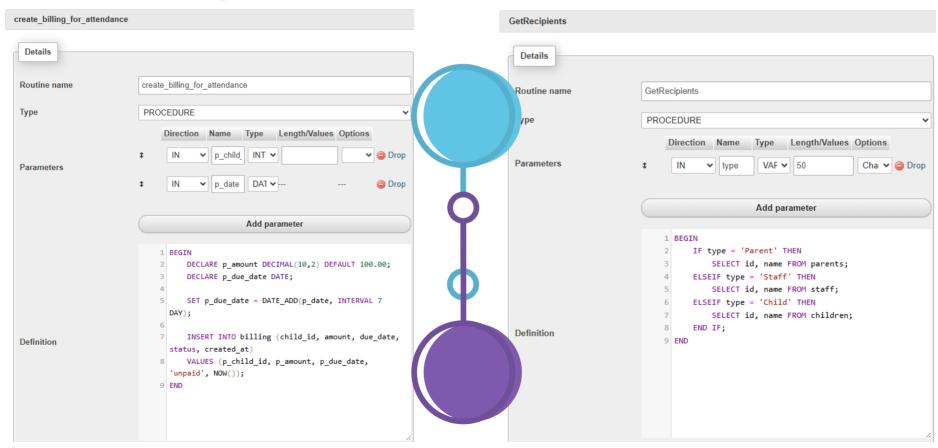
- for staff to view attendance summary

create_billing_for_attendance

- Shows the total amount billed and payment status.



Example Procedure Screenshot



Thank you

Next - Live Application Demo