

Project Selection & Requirements

Mini World Chosen: Daycare Center

Requirement Gathering

To design the Daycare Center system, I started by identifying the participants in a daycare: children, parents, and staff. I realized we needed to track enrollment in specific classrooms and daily attendance. I included allergy information for health/safety and created relationships to link children with parents and classroom assignments. These requirements ensure the system covers administrative tasks and safety procedures.

Entities & Data Needed:

- Child: Name, DOB, Allergies, Parent/Guardian ID

Basic information regarding the Child. Always needed to identify the child and important information regarding them, especially allergies since those can be life threatening

- Parent/Guardian: Name, Contact Info, Address, Relationship to Child

Child's parents, who to give children to when daycare hours are over. Helps ensure that the children are not given to incorrect parents, and who to contact if issues arise regarding the child.

- Staff: Name, Role (Director, teacher, assistant), Schedule, Contact Info

Caretakers for the children and their role in the environment provided, and when they are in the building taking care of the children

- Classroom: ClassroomID, Room Number, Age Group, Assigned Staff

Room where children will be in during the day, split ages and staff meant to manage the children.

- Enrollment: Child ID, Classroom ID, Enrollment Date

Proof of child being registered and supposed to be in daycare

- Attendance: Child ID, Date, Status (Present/Absent)

General attendance taken for record keeping and safety.