Team meeting minutes

Date : 19 February 2025

Time: 6:00PM – 7:00PM

Platform : Microsoft Teams

**Attendees:**

* Nathan Antha
* Uwaiz Laher
* Kgoputjo Mahlase
* Thabiso Mbasa
* Lehlohonolo Mokoena
* Emihle Sidumo

1.**Opening & Agenda**

The meeting was called to order at 06:00 PM, with all members present. The meeting focused on assigning roles within the group and distributing tasks for the project.

2. **Selection of Roles**

* Thabiso –Team leader & will oversee project management
* Emihle – Secretary & will be responsible for documentation and deployment
* Lehlohonolo – Will handle backend development
* Uwaiz – will focus on frontend development
* Nathan – Will ensure quality assurance
* Kgoputjo – will manage the database

3.**Next meeting**

For the next meeting, all members are expected to :

* Come up with ideas on what the project should be.
* Suggest possible tools and programming languages to use.

4.**Adjournment**

The meeting concluded at 07:00 PM

**User Story for the Nanny App System**

**Actors:**

1. **Parent** – Requests babysitting services, makes payments, and rates nannies.
2. **Nanny** – Provides babysitting services and gets reviewed.
3. **Admin** – Verifies nanny background checks.
4. **Driver** (Optional) – Provides transport for children if needed.

**User Journey:**

**1. Parent Registration & Profile Setup**

* A **Parent** signs up using their email and phone number.
* Adds **children’s details** (name, age, special needs).
* Saves their **home address** and preferred contact method.

**2. Nanny Registration & Background Check**

* A **Nanny** signs up with personal details, contact info, and address.
* Uploads verification documents for a **background check**.
* The **Admin** reviews the application and marks it as **Approved/Rejected**.

**3. Booking a Nanny**

* The **Parent** selects a date, start time, and end time.
* The system shows **available Nannies** based on location and background check status.
* The Parent selects a Nanny and **confirms the booking**.

**4. Payment Processing**

* The Parent makes a **secure in-app payment** via **Card/PayPal/EFT**.
* The system updates **Transaction Status** to **Pending/Completed**.

**5. Nanny Completes the Session**

* The **Nanny arrives** at the scheduled time and starts the session.
* If a **Driver** is needed, one is assigned for pick-up/drop-off.
* After the session ends, the **Parent confirms the completion**.

**6. Rating & Review System**

* The Parent **rates** the Nanny (1-5 stars) and **leaves a review**.
* The review is stored and visible to other users.

**Additional Features:**

✅ **Cancellation & Refunds** – Parents can cancel and request refunds based on policy.  
✅ **Live Notifications** – Updates on session confirmation, nanny arrival, and payments.  
✅ **Chat System** – Parents can message Nannies before booking.  
✅ **Admin Dashboard** – Monitors transactions, background checks, and user reports.

**Explanation of the Nanny App ERD**

This **Entity-Relationship Diagram (ERD)** models a **nanny booking system**, including parents, children, nannies, drivers, sessions, payments, reviews, and background checks. Below is a structured breakdown of the tables and their relationships.

A diagram of a data flow

AI-generated content may be incorrect.

**1. Parent Table**

**Stores details of parents who book nanny services.**

* **Parent\_ID (PK)** – Unique identifier for each parent.
* **Parent\_Name, Parent\_Surname** – Personal details.
* **Contact (FK), Address (FK)** – Links to contact and address details.

**Relationships:**

* One **Parent** can have **multiple Children** (1:M).
* One **Parent** can make multiple **Payments** (1:M).
* One **Parent** can leave multiple **Reviews** for nannies (1:M).

**2. Child Table**

**Stores details of children who will be cared for.**

* **Child\_ID (PK)** – Unique identifier.
* **Child\_Name, Child\_Surname, Child\_Age** – Personal details.
* **Parent\_ID (FK)** – Links the child to a parent.

**Relationships:**

* One **Parent** can have multiple **Children** (1:M).
* A **Child** can attend multiple **Child\_Sitting\_Sessions** (M:M via Child\_Session).

**3. Nanny Table**

**Stores details of registered nannies.**

* **Nanny\_ID (PK)** – Unique identifier.
* **Nanny\_Name, Nanny\_Surname, ID\_Number** – Personal details.
* **Contact\_ID (FK), Address\_ID (FK)** – Links to contact and address tables.

**Relationships:**

* A **Nanny** can have **one Background Check** (1:1).
* A **Nanny** can receive **multiple Reviews** (1:M).
* A **Nanny** can be assigned to **multiple Child Sitting Sessions** (1:M).

**4. Driver Table**

**Stores details of drivers who may transport children.**

* **Driver\_ID (PK)** – Unique identifier.
* **Driver\_Name, Driver\_Surname** – Personal details.
* **Contact\_ID (FK), Address\_ID (FK)** – Links to contact and address tables.

**Relationships:**

* A **Driver** can be assigned to multiple **Child Sitting Sessions** (1:M).

**5. Child\_Sitting\_Session Table**

**Stores babysitting sessions, linking nannies, drivers, and schedules.**

* **Child\_Sitting\_Session\_ID (PK)** – Unique session identifier.
* **Date, Start\_Time, End\_Time, Confirmed** – Session details.
* **Nanny\_ID (FK), Driver\_ID (FK)** – Assigns a nanny and optionally a driver.

**Relationships:**

* A **Nanny** can have multiple **Child Sitting Sessions** (1:M).
* A **Driver** can be assigned to multiple **Child Sitting Sessions** (1:M).
* A **Session** can involve multiple **Children** (M:M via Child\_Session).
* A **Session** can have one **Payment** (1:1).

**6. Child\_Session Table (Junction Table)**

**Handles the many-to-many relationship between Child and Child\_Sitting\_Session.**

* **Child\_Session\_ID (PK)** – Unique record identifier.
* **Child\_ID (FK)** – Links to Child.
* **Child\_Sitting\_Session\_ID (FK)** – Links to Child\_Sitting\_Session.

**Relationships:**

* A **Child** can attend multiple **Sessions** (M:M).
* A **Session** can have multiple **Children** (M:M).

**7. Payment Table**

**Tracks payments for nanny sessions.**

* **Payment\_ID (PK)** – Unique payment identifier.
* **Amount, Time\_Stamp** – Payment details.
* **Parent\_ID (FK)** – Links to the parent making the payment.
* **Child\_Sitting\_Session\_ID (FK)** – Links payment to a specific session.

**Relationships:**

* One **Parent** can make multiple **Payments** (1:M).
* Each **Child Sitting Session** has **one Payment** (1:1).

**8. Background\_Check Table**

**Tracks nanny verification status.**

* **Check\_ID (PK)** – Unique background check identifier.
* **Nanny\_ID (FK)** – Links to the Nanny.
* **Status** (Pending, Approved, Rejected).
* **Check\_Date** – When the verification was conducted.
* **Verified\_By (Admin/User ID)** – Who approved/rejected the check.

**Relationships:**

* Each **Nanny** has **one Background Check** (1:1).

**9. Review\_Nanny Table**

**Stores parent reviews of nannies.**

* **Review\_ID (PK)** – Unique review identifier.
* **Nanny\_ID (FK), Parent\_ID (FK)** – Links review to nanny and parent.
* **Rating (1-5), Comment, Review\_Date** – Review details.

**Relationships:**

* A **Parent** can leave multiple **Reviews** (1:M).
* A **Nanny** can have multiple **Reviews** (1:M).

**10. Address Table**

**Stores addresses of parents, nannies, and drivers.**

* **Address\_ID (PK)** – Unique address identifier.
* **House\_No, Street\_Name, City, Province, Postal\_Code** – Address details.

**Relationships:**

* Used by **Parent, Nanny, and Driver** (1:1).

**11. Contact Table**

**Stores phone and email details.**

* **Contact\_ID (PK)** – Unique contact identifier.
* **Phone\_Number\_1, Phone\_Number\_2, Email** – Contact details.

**Relationships:**

* Used by **Parent, Nanny, and Driver** (1:1).

**Summary of Key Features:**

✅ **Parents book verified nannies for babysitting sessions.**  
✅ **Payments are securely processed for each session.**  
✅ **Background checks ensure only approved nannies are available.**  
✅ **Parents can rate and review nannies for quality assurance.**  
✅ **Sessions can involve multiple children, assigned through a junction table.**  
✅ **Drivers may be assigned for child transportation.**