

# NORMALIZATION

## 1. Account

1NF: All atomic attributes

2NF: PK is single-column; all fields depend on PK

3NF: No transitive dependencies

## 2. Goal

1NF: All atomic

2NF: PK is goal\_id; no partial dependencies

3NF: All non-key fields depend only on PK

## 3. HealthMetric

1NF: Atomic

2NF: Single-column PK

3NF: No transitive dependencies

## 4. Room

1NF: Atomic

2NF: PK = room\_id

3NF: title → unique, no transitive dependencies

## 5. Booking

1NF: All values atomic

2NF: PK is booking\_id

3NF: All non-key attributes depend ONLY on booking\_id

## 6. Registration

1NF: Atomic

2NF: PK = registration\_id

3NF: No transitive dependencies

Note: UNIQUE(account\_id, booking\_id) enforces M–N join