

MembershipPricing	
id (PK, AutoField)	
name (CharField: 1 Month, 3 Months...)	
duration_days (IntegerField)	
price (DecimalField, 10,2)	
is_active (BooleanField)	
display_order (IntegerField)	
created_at (DateTimeField)	
updated_at (DateTimeField)	
created_by (FK → StaffUser)	

Payment	
id (PK, AutoField)	
transaction_id (UUIDField, UNIQUE)	
member (FK → Member)	
amount (DecimalField, 10,2)	
payment_method (CharField: Cash, GCash...)	
transaction_type (CharField)	
reference_number (CharField, optional)	
remarks (TextField, optional)	
status (CharField: Completed, Pending...)	
payment_date (DateField)	
date_created (DateTimeField)	
previous_end_date (DateField)	
new_end_date (DateField)	
membership_type (FK → MembershipPricing)	
processed_by_admin (FK → StaffUser)	

ActiveMemberSnapshot	
id (PK, AutoField)	
snapshot_date (DateField)	
member (FK → Member)	
subscription_status (CharField)	
end_date (DateField)	
days_until_expiry (IntegerField)	
total_payments (DecimalField, 10,2)	
total_checkins (IntegerField)	
created_at (DateTimeField)	

StaffUser	
id (PK, AutoField)	
email (EmailField, UNIQUE)	
password (CharField, hashed)	
first_name (CharField)	
last_name (CharField)	
role (CharField: OWNER/STAFF)	
profile_picture (ImageField)	
is_active (BooleanField)	
is_deleted (BooleanField)	
deleted_at (DateTimeField)	
date_joined (DateTimeField)	
last_login (DateTimeField)	

DashboardStats	
id (PK, AutoField)	
stat_date (DateField)	
total_members (IntegerField)	
active_members (IntegerField)	
expired_members (IntegerField)	
expiring_soon (IntegerField)	
new_members_month (IntegerField)	
daily_checkins (IntegerField)	
monthly_checkins (IntegerField)	
currently_active (IntegerField)	
daily_revenue (DecimalField, 10,2)	
monthly_revenue (DecimalField, 10,2)	
computed_at (DateTimeField)	

PaymentSummary	
id (PK, AutoField)	
summary_date (DateField)	
total_payments (IntegerField)	
total_amount (DecimalField, 10,2)	
payment_method_breakdown (JSONField)	
transaction_type_breakdown (JSONField)	
computed_at (DateTimeField)	

MembershipConfig	
id (PK, AutoField)	
default_duration_days (IntegerField)	
allow_prorated_pricing (BooleanField)	
renewal_reminder_days (IntegerField)	
grace_period_days (IntegerField)	
updated_at (DateTimeField)	
updated_by (FK → StaffUser)	

Member	
id (PK, AutoField)	
member_id (CharField, UNIQUE, 10 chars)	
full_name (CharField, 100 chars)	
sex (CharField: Male/Female)	
phone_number (CharField, 15 chars)	
email (EmailField, optional)	
address (TextField)	
emergency_contact_name (CharField)	
emergency_phone (CharField)	
photo (ImageField, optional)	
start_date (DateField)	
end_date (DateField)	
date_created (DateTimeField)	
date_updated (DateTimeField)	
is_deleted (BooleanField)	
deleted_at (DateTimeField)	
created_by (FK → StaffUser)	
updated_by (FK → StaffUser)	

GymCheckIn	
id (PK, AutoField)	
member (FK → Member)	
check_in_time (DateTimeField)	
check_out_time (DateTimeField, nullable)	
check_in_date (DateField)	
session_duration_minutes (IntegerField)	
checked_in_by (FK → StaffUser)	
checked_out_by (FK → StaffUser, nullable)	

- Key Constraints:
- Soft Delete: is\_deleted flag preserves history
  - Data Preservation: Payment records never deleted
  - Referential Integrity: CASCADE on related records
  - Check-in Limit: Max 3 per member per day (app logic)
  - UUID Transactions: UUIDv4 for payment IDs

Legend

Core Tables

Configuration Tables

Transaction Tables

Aggregate/Computed Tables

1:N Relationship

Critical Path

- Indexes:
- member\_id (UNIQUE)
  - full\_name (BTREE)
  - phone\_number (BTREE)
  - email (BTREE)
  - start\_date, end\_date (BTREE)

- Indexes:
- transaction\_id (UNIQUE)
  - member\_id (FK, BTREE)
  - payment\_date (BTREE)
  - status (BTREE)
  - payment\_method (BTREE)

- Indexes:
- member\_id (FK, BTREE)
  - check\_in\_date (BTREE)
  - check\_in\_time (BTREE)
  - check\_out\_time (BTREE)