

Relational Schema

Step 1: Entities

ADDRESS(AddressID, [pk] StreetNumber, StreetName, Suburb, Postcode)
CLIENT(ClientID, [pk] Name)
STAFFMEMBER(StaffID, [pk] Name, Sex, Age)
QUALIFICATION(QualificationName, [pk] Details)
DIAGNOSIS(DiagnosisCode, [pk] Description)
PRACTITIONER(PractitionerID, [pk] Name)
FUNDINGBODY(FunderID, [pk] Details)
SERVICE(ServiceCode, [pk] Details)
MOBILITYTEST(TestID, [pk] Details)
MOBILITYTESTINGFACILITY(FacilityCode, [pk] Details)
MOBILITYTESTRESULT(TestResultID, [pk] Details)

Step 2: Many-to-Many Relationships

MEETS(StaffID [fk1], ClientID [fk2], [pk])
AFFECTS(DiagnosisCode [fk1], ClientID [fk2], [pk])

Step 3: One-to-Many Relationships

CLIENT(ClientID, [pk] Name, AddressID [fk1], TestID [fk2])
STAFFMEMBER(StaffID, [pk] Name, Sex, Age, QualificationName [fk1], Manager [fk2])
DIAGNOSIS(DiagnosisCode, [pk] Description, PractitionerID [fk])
SERVICE(ServiceCode, [pk] Details, DiagnosisCode [fk1], FunderID [fk2], StaffID [fk3])
MOBILITYTEST(TestID, [pk] Details, FacilityCode [fk])
MOBILITYTESTRESULT(TestResultID, [pk] Details, FacilityCode [fk])

Step 4: Final Relational Schema

ADDRESS(AddressID, [pk] StreetNumber, StreetName, Suburb, Postcode)

QUALIFICATION(QualificationName, [pk] Details)

PRACTITIONER(PractitionerID, [pk] Name)

FUNDINGBODY(FunderID, [pk] Details)

MOBILITYTESTINGFACILITY(FacilityCode, [pk] Details)

MOBILITYTEST(TestID, [pk] Details, FacilityCode [fk])

MOBILITYTESTRESULT(TestResultID, [pk] Details, FacilityCode [fk])

CLIENT(ClientID, [pk] Name, AddressID [fk1], TestID [fk2])

STAFFMEMBER(StaffID, [pk] Name, Sex, Age, QualificationName [fk1], Manager [fk2])

DIAGNOSIS(DiagnosisCode, [pk] Description, PractitionerID [fk])

SERVICE(ServiceCode, [pk] Details, DiagnosisCode [fk1], FunderID [fk2], StaffID [fk3])

MEETS(StaffID [fk1], ClientID [fk2], [pk])

AFFECTS(DiagnosisCode [fk1], ClientID [fk2], [pk])

AddressID
StreetNumber
StreetName
Suburb
Postcode

ClientID
Name

DiagnosisCode
Description

FunderID
Details

TestID
Details



ADDRESS



QUALIFICATION

QualificationName
Details

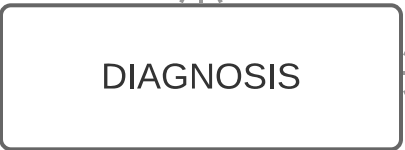


CLIENT



STAFFMEMBER

StaffID
Name
Sex
Age



DIAGNOSIS



PRACTITIONER

PractitionerID
Name



FUNDINGBODY



SERVICE

ServiceCode
Details



MOBILITYTEST



MOBILITYTESTINGFACILTY

FacilityCode
Details



MOBILITYTESTRESULT

TestResultID
Details

