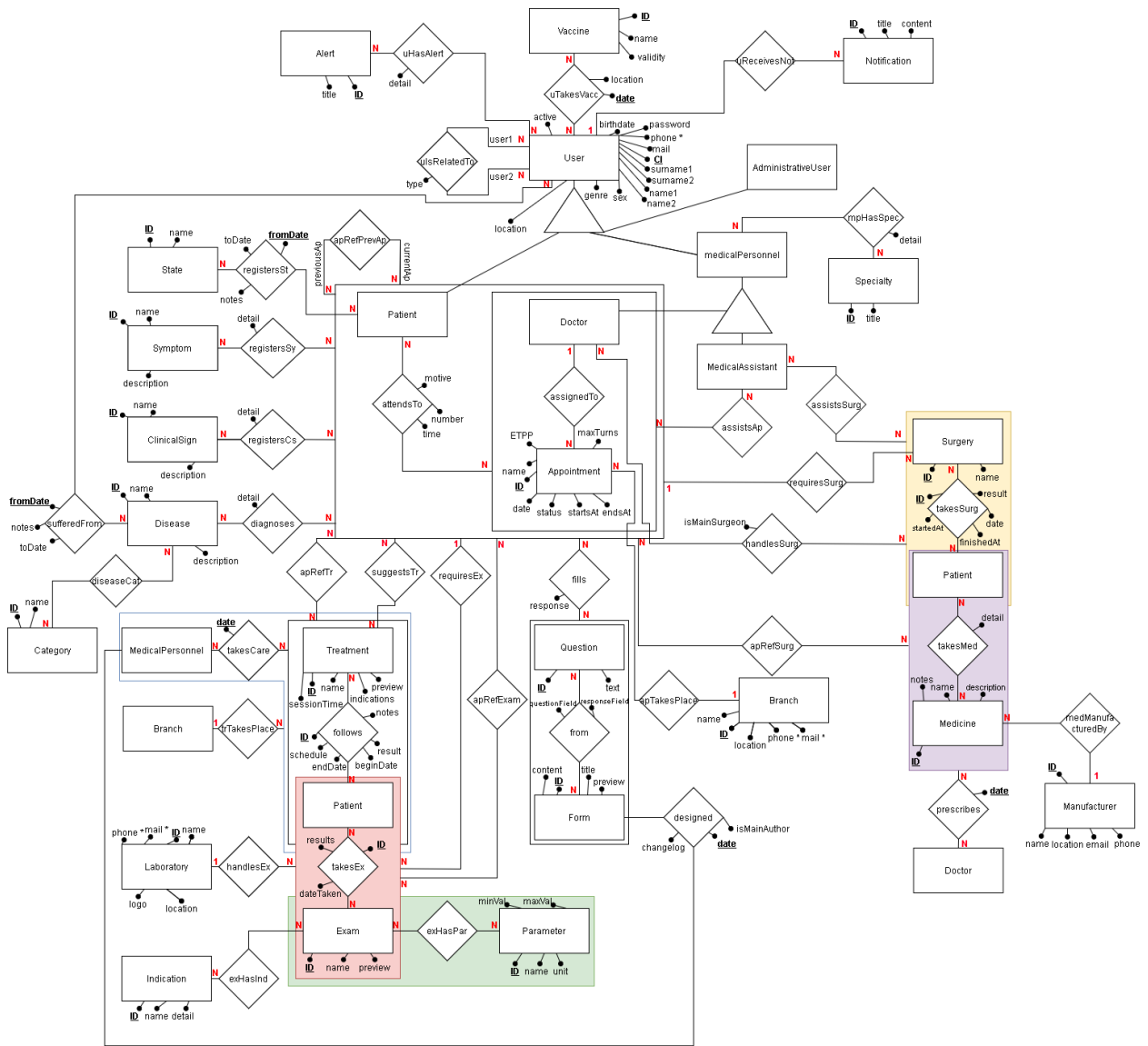


Entity-Relationship Diagram



Normalized Schema

Reference:

- **Blue: Entity**
- **Green: Relationship**

User (CI, password, name1, name2, surname1, surname2, sex, gender, email, phone, location, birthdate, active)

uReceivesNot (IDNot, CIUser)

uHasAlert(IDAlert, CIUser, detail)

uTakesVaccine (IDVacc, CIUser, date)

ulsRelatedTo (CIUser1, CIUser2, typeUser1, typeUser2)

uSufferedFrom (CIUser, IDDisease, fromDate, toDate, notes)

UserPhone (CI, phone)

Patient (CI)

attendsTo (CIPa, IDAp, motive, number, time)

registersSt(CIPa, IDState, fromDate, toDate, notes)

follows (CIPa, IDTreatment, IDFollows, beginDate, endDate, schedule, result)

takesMed (CIPa, IDMed, detail)

takesEx (CIPa, IDExam, IDExTaken, date, results)

takesSurg (CIPa, IDSurg, IDTakenSurg, date, startedAt, finishedAt, result)

MedicalPersonnel (CI)

mpHasSpec (CIMp, IDSpec, detail)

takesCare (CIMP, IDTreatment, IDFollows, CIPa, date)

designed (IDForm, CIMP, isMainAuthor, date, changelog)

Specialty (ID, title)

Doctor (CI)

assignedTo (IDAp, CIDoc)

handlesSurg (IDSurg, IDTakenSurg, CIPatient, CIDoc, isMainSurgeon)

prescribes (IDMed, CIPatient, CIDoc, date)

MedicalAssistant (CI)

assistsAp (IDAp, CIMA)

assistsSurg (IDSurg, IDtakenSurg, CIPatient, CIMA)

Administrative (CI)

Form (ID, title, preview, content)

from (IDQuestion, IDForm, questionField, responseField)

Question (ID, text)

Appointment (ID, name, fecha, state, timeBegins, timeEnds, ETPP, maxTurns)

apTakesPlace (IDAp, IDBranch)

apRefPrevAp (IDCurrAp, IDPrevAp, CIPaPrevAp, CIPaCurrAp)

apRefExam (IDExam, IDTakenExam, CIPaExam, CIPaAp, IDAp)

apRefTr (IDTreatment, IDFollows, CIPaTr, CIPaAp, IDAp)

registersSy (IDAp, CIPaAp, IDSy, detail)

registersCs (IDAp, CIPaAp, IDCs, detail)

diagnoses (IDAp, CIPaAp, IDDis, detail)

fills (IDAp, CIPa, IDForm, IDQuestion, response)

suggestsTr(IDTreatment, CIPaAp, IDAp)

requiresEx (IDExam, IDTakenExam, CIPaExam, CIPaAp, IDAp)

Branch (ID, name, phoneNumber, location)

trTakesPlace (IDTreatment, IDFollows, CIMP, CIPa, date, IDBranch)

Symptom (ID, name, description)

ClinicalSign (ID, name, description)

Disease (ID, name, description)

diseaseCat (IDDisease, IDCat)

Category (ID, name)

Treatment (ID, name, preview, indications, avgSessionTime)

Surgery (ID, name)

Medicine (ID, name, description, notes)

manufacturedBy(IDMed, IDManufacturer)

Manufacturer (ID, name, location, email, phoneNumber, logo)

Vaccine (ID, name, validity)

Exam (ID, name, preview)

exHasPar(IDEx, IDParam)

exHasInd(IDEx, IDInd)

Parameter (ID, name, measureUnit, refMinValue, refMaxValue)

Indication (ID, name, description)

Laboratory (ID, name, phoneNumber, location, email, logo)

handlesEx(IDEx, IDExTaken, CIPa, IDLab)

State (ID, name)

Alert (ID, title)

Notification (ID, title, content)