# Project2

## Relational Model:

Midwife(practitioner id, hemail, phone number, name, email)

* Foreign key hemail references Health Institution. Not null.

MainMidwife(pregnancy id, practitioner id)

* Foreign key pregnancy id references Pregnancy.
* Foreign key practitioner id references Midwife.
* Note: participation constraint can’t be enforced.

BackupMidwife(pregnancy id, practitioner id)

* Foreign key pregnancy id references Pregnancy.
* Foreign key practitioner id references Midwife.
* Note: participation constraint can’t be enforced.

Health Institution(**email**, address, phonenum, name, website)

Clinic(email)

* Foreign key email references Health Institution

BirthingCenters(email)

* Foreign key email references Health Insitution (2)

Father (RAMQ id, blood type, phone number, current profession, email, birthday, address, name)

Mother(RAMQ id, blood type, phone number, current profession, email, birthday, address, name)

CoupleMother(RAMQ id, couple id)

* Foreign key RAMQ id references Mother
* Foreign key couple id references Couple
* Note: participation constraint can’t be enforced.

CoupleFather(RAMQ id, couple id)

* Foreign key RAMQ id references Father
* Foreign key couple id references Couple

Couple(couple id, motherRAMQId)

* Foreign key motherRAMQId references Mother

OnlineInfoSessionAttendance(couple id, session id)

* Foreign key couple id references Couple
* Foreign key session id references Online Info Session.

Pregnancy(pregnancy id, couple id, last menstrual period due date, ultrasound due date, bcemail, birthloc, expected due date)

* Foreign key couple id references Couple. Not Null.
* Foreign key bcemail references BirthingCenter.

Online Info Session(session id, midwifePracId, language, date, time)

* Foreign key midwifePracId references Midwife. Not Null.

Appointment(appointment id, midwifePracId, pregnancy id, date, time)

* Foreign key pregnancy id references Pregnancy. Not Null.
* Foreign key midwifePracId references Midwife. Not Null.

Observation notes(note id, appointment id, date, time)

* Foreign key appointment id references Appointment. Not Null.

Medical test(test id, appointment id, forBaby, individualID, prescribed date, sampled date, location, lab date, test result, test type)

* Foreign key appointment id references Appointment. Not Null.

Technician(techid, name, phone number)

TechnicianInCharge(techid, test id)

* Foreign key techid references Technician NOT NULL
* Foreign key test id references Medical Test NOT NULL
* Note: participation constraint can’t be enforced.

Baby(baby id, pregnancy id, gender, blood type, date of birth, name)

* Foreign key pregnancy id references Pregnancy. Not Null.

## Pending Constraints

* Participation constraint for Mainmidwife can’t be enforced.
* Participation constraint for Backupmidwife can’t be enforced.
* Participation constraint for couple mother can’t be enforced.
* Participation constraint for for TechnicianInCharge can’t be enforced.

## SQL Queries

Q5 A)