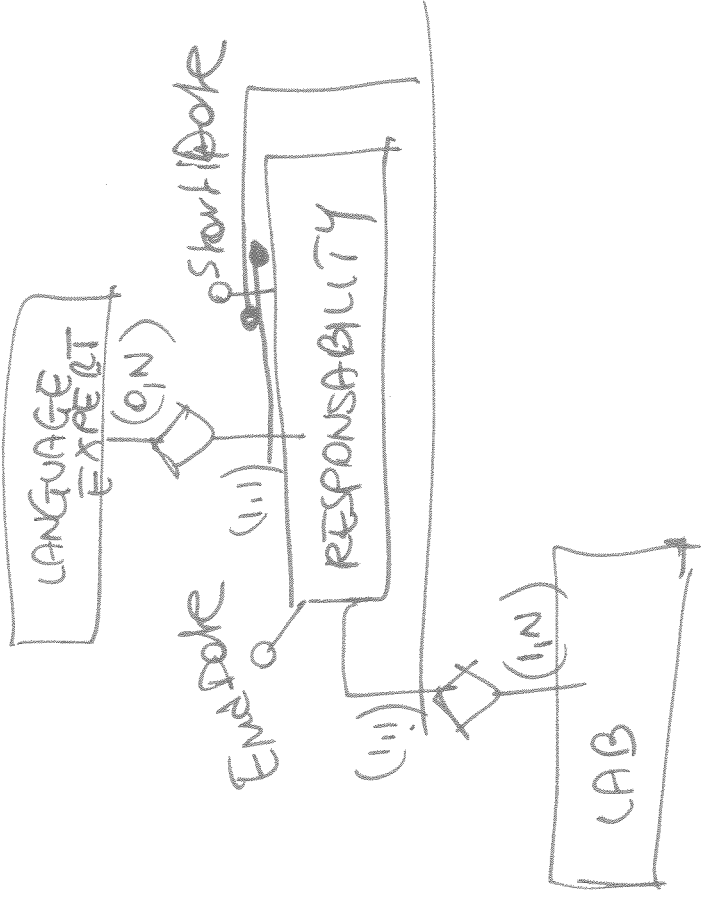
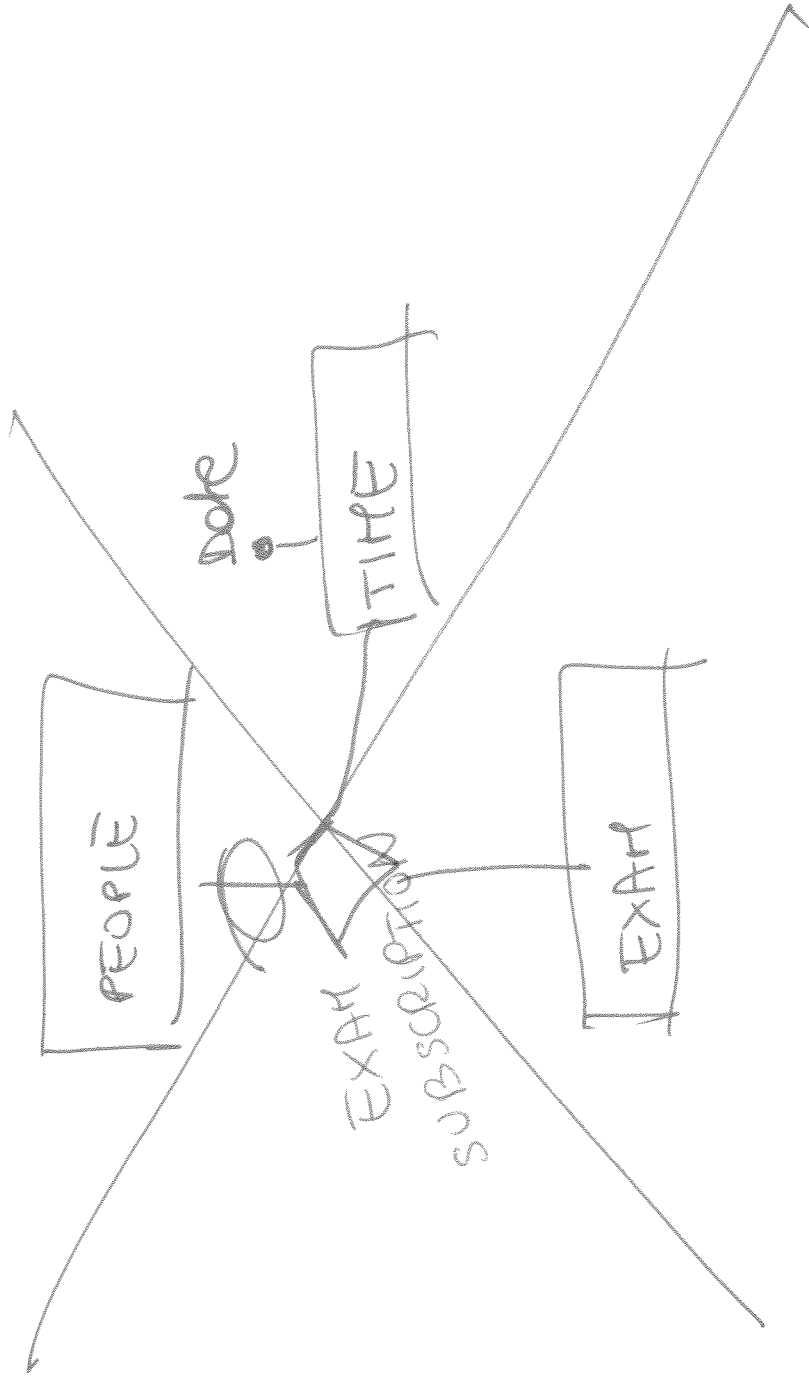
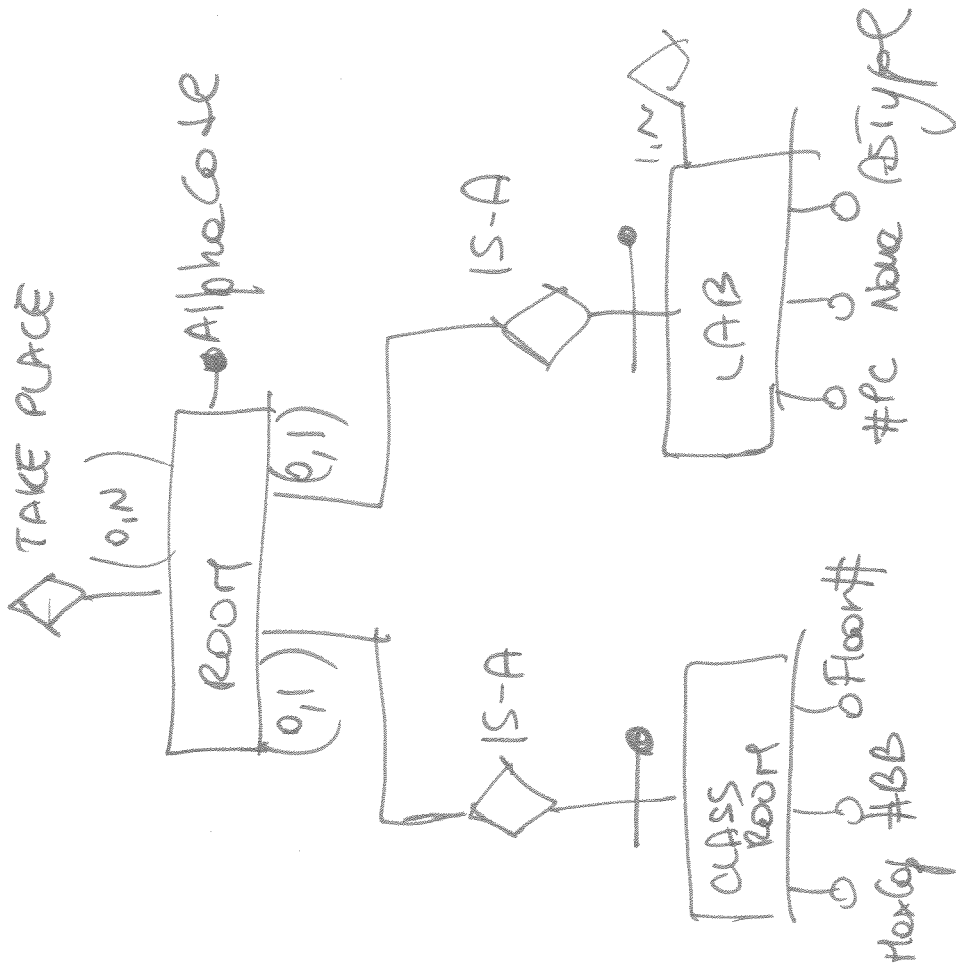


Alternative Model



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LOGICAL SCHEMA

ROOT (AlphaCode)

CLASS-ROOM (AlphaCodeCR, MaxCap, #BB, Floor#)

LAB (AlphaCodeL, #PC, Name, AStype)

LANGUAGE-COURSE (CCode, StartDate, Level, CourseName, Price)

LESSON (LCode, CCode, StartDate, Date, StartingTime, EndingTime, MinPart, Max#Part, AlphaCode) (✓) (1)

LANGUAGE-EXPERT (SSN, Name, surname, email, Phone#)

IS-ASSIGNED-TO (CCode, StartDate, SSN)

QUALIFICATION (QualName)

OBTAIN (SSN, QualName, Date, Mark, Institute)

PEOPLE (PNumber, Name, Address, Phone#, e-mail*)

IS-ENROLLED (PNumber, CCode, StartDate)

ATTENDED (PNumber, CCode, StartDate, LCode) (✗) (2)

EXAM (ECode, CertificateType, Institution)

EXAM-SUBSCRIPTION (PNumber, Date, ECode)

RESPONSIBILITY (SSN, StartDate, AlphaCodeL, EndDate) (✓) (3)

~~TIME (StartDate)~~

REFERENTIAL INTEGRITY CONSTRAINTS

FOREIGN
KEY
DEFINITION

1) FOREIGN KEY (AlphaCode)
REFERENCES ROOM (AlphaCode)

(*)

2) FOREIGN KEY (PNumber)
REFERENCES PEOPLE (PNumber)

FOREIGN KEY (CCode, startDate, LCode)
REFERENCES LESSON (CCode, startDate, LCode)

3) FOREIGN KEY (SSN)
REFERENCES LANGUAGE-EXPERT (SSN)

FOREIGN KEY (AlphaCodeL)
REFERENCES LAB (AlphaCodeL)

(*) FOREIGN KEY (CCode, startDate)
REFERENCES LANGUAGE-COURSE (CCode, startDate)