

Homework #7: Transposing - Supertypes, Subtypes

Due Date: Thursday November 17, 2022

Must convert this word document to PDF

Note: submissions must be made to the appropriate dropbox in PDF format. This homework is required to be typed, not handwritten.

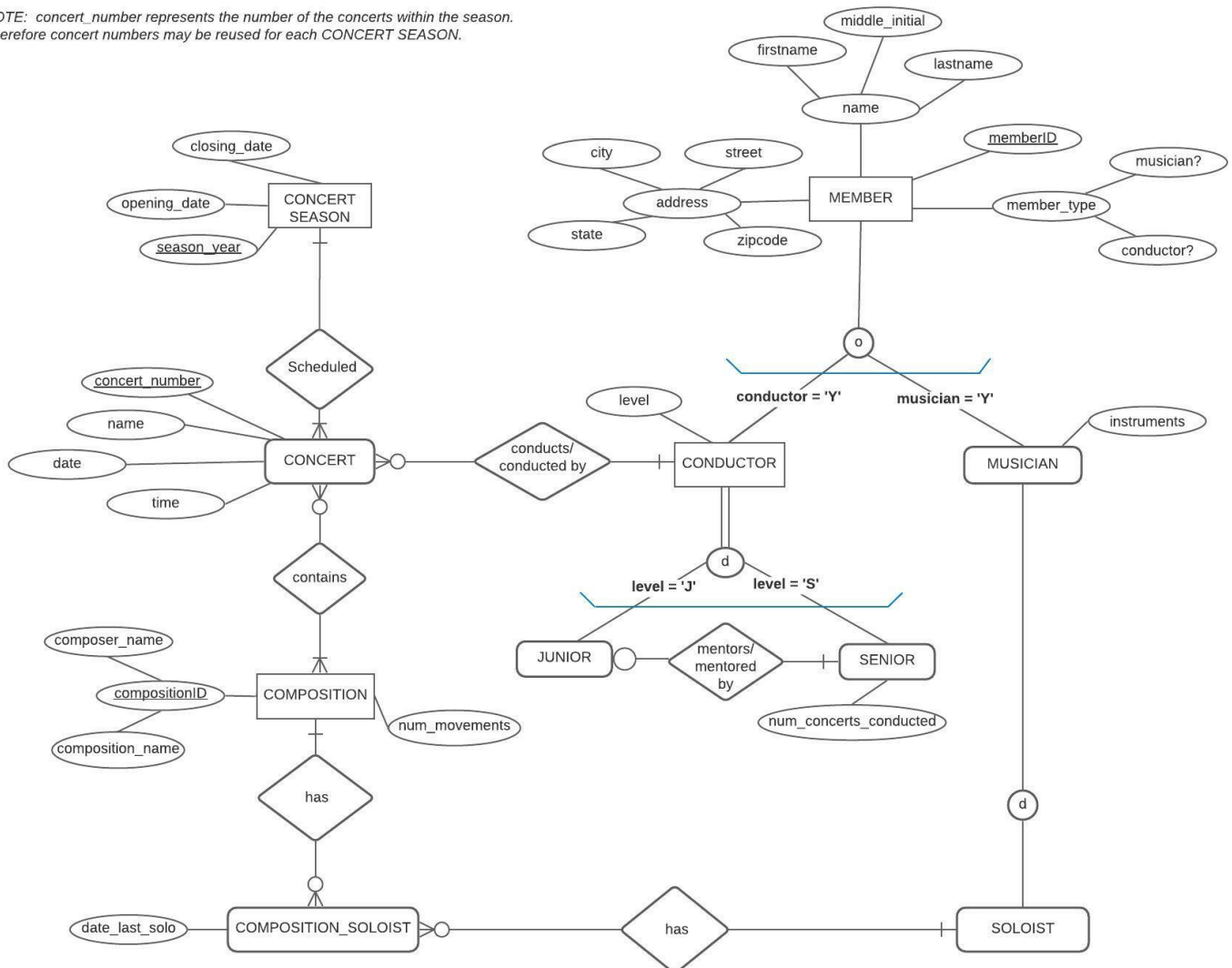
PART 1: Transposing an E-R Diagram (55 pts)

Transpose the E-R Diagram for RITPO into relations. Use the relational notation: RELNAME(KeyAttr, Attr1, Attr2, FK). *Italicize* or dash underline your foreign keys. Be sure to include a reference statement for each foreign key that follows the format :

CURRENT_TABLE(fkattribute(s)) must exist in ORIGINAL_TABLE(pkattribute(s))

Create & submit a PDF file called **yourname_HW7.pdf** to include all of the resulting relations. **SEE NEW CHART passed out in class.**

NOTE: concert_number represents the number of the concerts within the season.
Therefore concert numbers may be reused for each CONCERT SEASON.



Member(**MemberID**, firstName, middleName, street, city, zipcode, conductor, musician)

Conductor(**memberID**, level)

Conductor(memberID) M.E.I. Member(memberID)

Musician(**memberID**, instruments)

Instruments(**MemberID**, Instrument)

Instruments(MemberID) M.E.I. Musician(MemberID)

Musician(MemberID) M.E.I. Member(memberID)

Senior(**memberID**, num_concert_conducted)

Senior(memberID) M.E.I. Conductor(MemberID)

Junior(**memberID**, mentor_member_ID)

Junior(memberID) M.E.I. Conductor(MemberID)

Junior(mentor_member_ID) M.E.I. Senior(memberID)

Soloist(**memberID**, instrument)

Soloist(memberID) M.E.I. Musician(memberID)

Soloist(instrument) M.E.I. instruments(Instrument)

ConcertSeason(**SeasonYear**, openDate, closeDate)

Concert(**ConcertNumber**, *seasonYear*, name, date, time, *conductor_memberID*)

Concert(SeasonYear) M.E.I. ConcertSeason(SeasonYear)

Concert(conductor_memberID) M.E.I. Conductor(memberID)

Composition(**CompositionID**, **season_year**, composer_name, composition_name, num_movments)

Composition(seasonYear) M.E.I. concert(seasonYear)

Compoition_soloist(**seasonYear**, **memberID**, date_last_solo)

Compoition_soloist(seasonYear) M.E.I. composition(seasonYear)

Compoition_soloist(memberID) M.E.I. Soloist(memberID)