

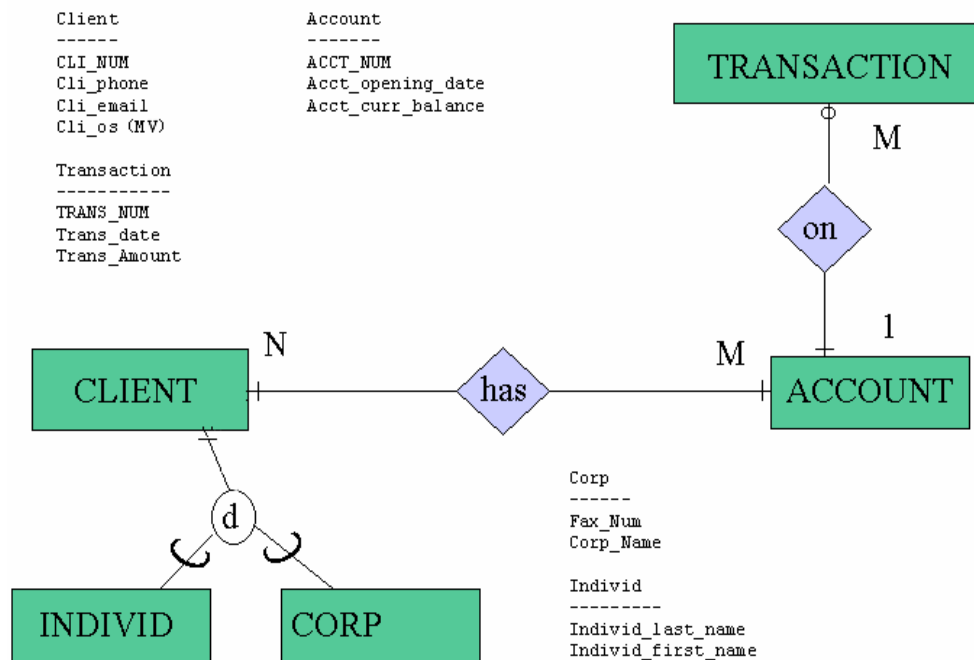
# Supertype-Subtype Modeling Example Problems

Consider the following two *separate* ER models. Convert each model into an appropriate corresponding (partial) design/schema, using the conversion rules discussed in lecture. Your resulting database designs/schemas need to meet the following requirements:

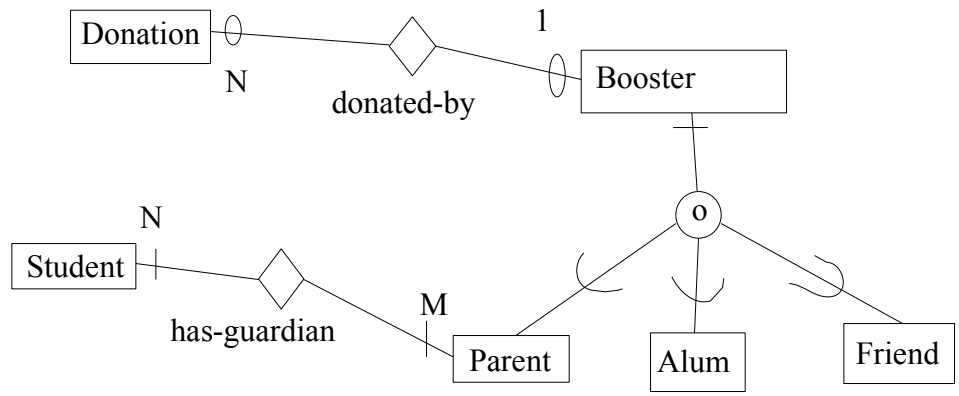
- \* list your resulting tables in the form of SQL create table statements. (Since you are not provided with example data to help in determining appropriate types, any reasonable types that meet class style standards will be accepted.)
- \* make sure, for each table, that you include an explicit primary key clause, of course; and include foreign keys as the model dictates.
- \* do not make ANY inferences/assumptions NOT supported by the given models or stated along with them. (Assume that the models DO reflect the scenarios faithfully.)

In this case, example solutions for these are available on the course Moodle site, under "Selected Solutions". You are strongly advised to try to answer them yourself before consulting those example solutions.

## Model #1



**Model #2**



Donation	Booster	Student	Parent	Alum	Friend
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DON_NUM	BOOSTER_NUM	STU_ID	Vol_hrs	Year_left	Year_joined
Don_date	Booster_lname	Stu_lname	Prefd_phone		
Don_amount	Booster_fname	Stu_fname			
	Booster_email	Stu_grade			
		Stu_gpa			