1. Presentation Layer Conceptual ER diagram

Dish_type: {dessert, entrée, drink, appetizer}
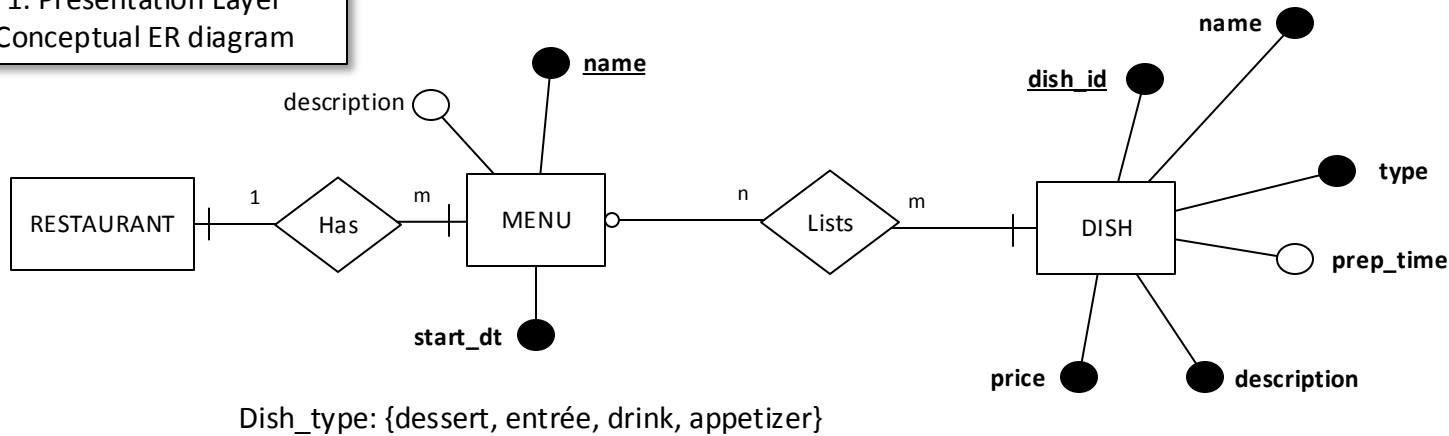
2. Design-Sepcific Conceptual ER diagram
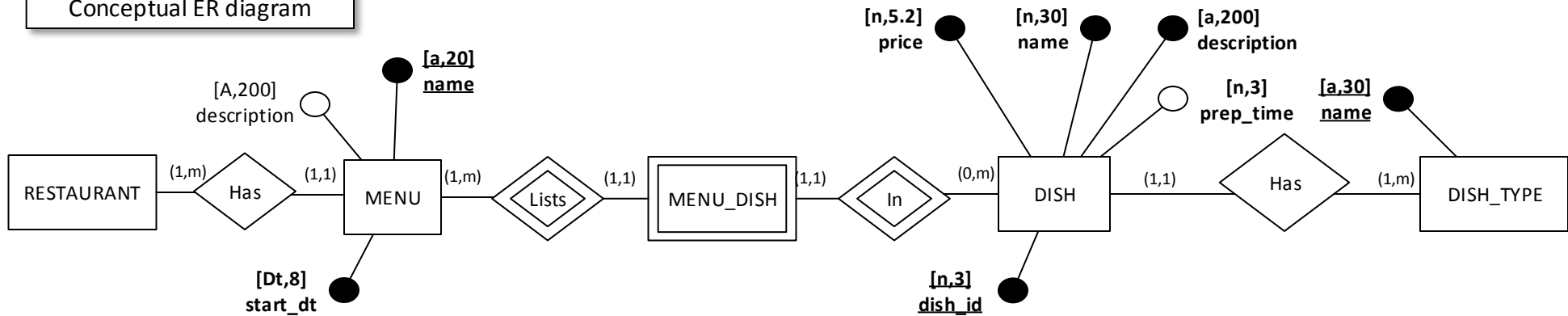
3. Relation Schema for 1 entity type with most attributes

DISH(id, name, price, description, prep_time, dish_type_name)
 inclusion dependency schema

4. Metadata

RELATION	NAME	TYPE	SIZE	OPTIONALITY	COMMENTS
DISH	id	number	< 1000	required	unique
DISH	price	number	5.2	required	
DISH	name	text	30	required	
DISH	description	text	200	required	
DISH	prep_time	number	<200	optional	
DISH	dish_type_name	text	30	required	foreign key to DISH_TYPE(name)