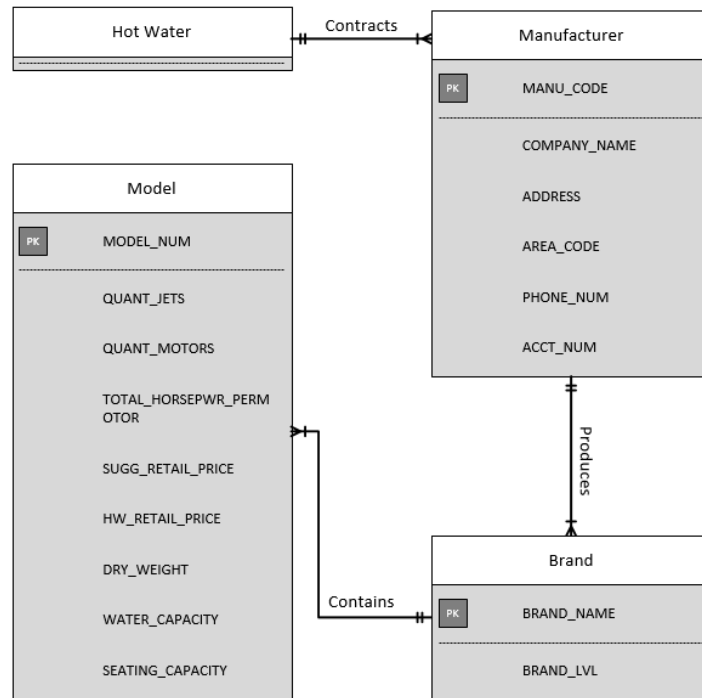
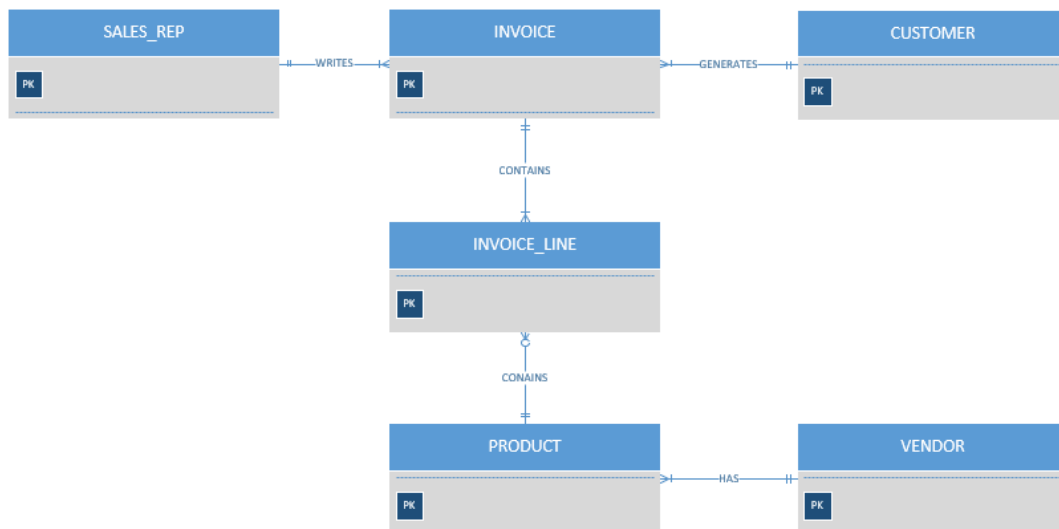


2.



4.



5.

Entity	Relationship	Connectivity	Entity
Instructor	handle	1:M	Trainee
Advanced Tech Courses	generates	1:M	Class
Class	has	1:M	Trainee
Class	taught by	1:M	Instructor
Trainee	takes	1:M	Class

The relationship between instructor and class is 1:M because one instructor can teach up to two classes, but each class is only taught by one professor. The cardinality is (1,2). Classes have existence-dependence on both the instructor and the trainees. If there is not instructor or not at least 10 students, the class will not exist.