MSSV: 22002575

Họ tên SV: Trần Gia Nguyên Phong

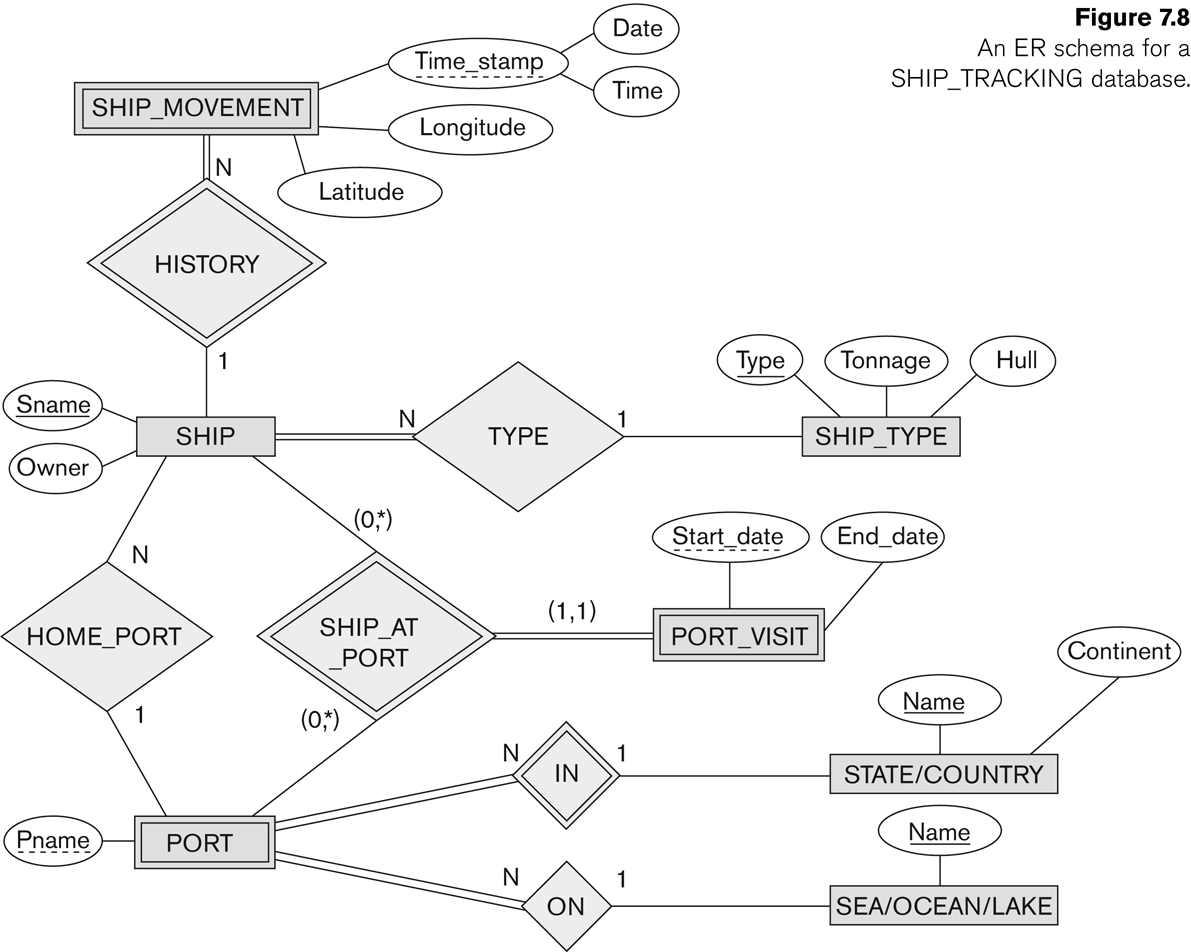
Notes: Filename: HoTen\_MSSV\_Library.docx

**Lab09**

**Mapping**

**Exercises:**

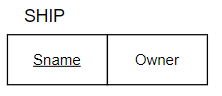
1. Figure 7.8 shows an ER schema for a database that may be used to keep track of transport ships and their locations for maritime authorities. Map this schema into a relational schema, and specify all primary keys and foreign keys.[6 đ]

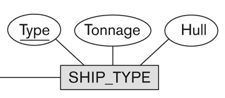


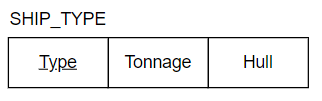
**Step By Step**

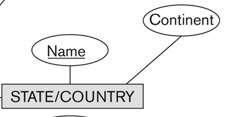
Step 1: Mapping of Regular Entity Types

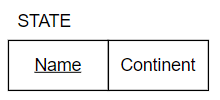


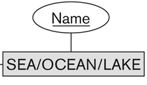


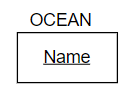




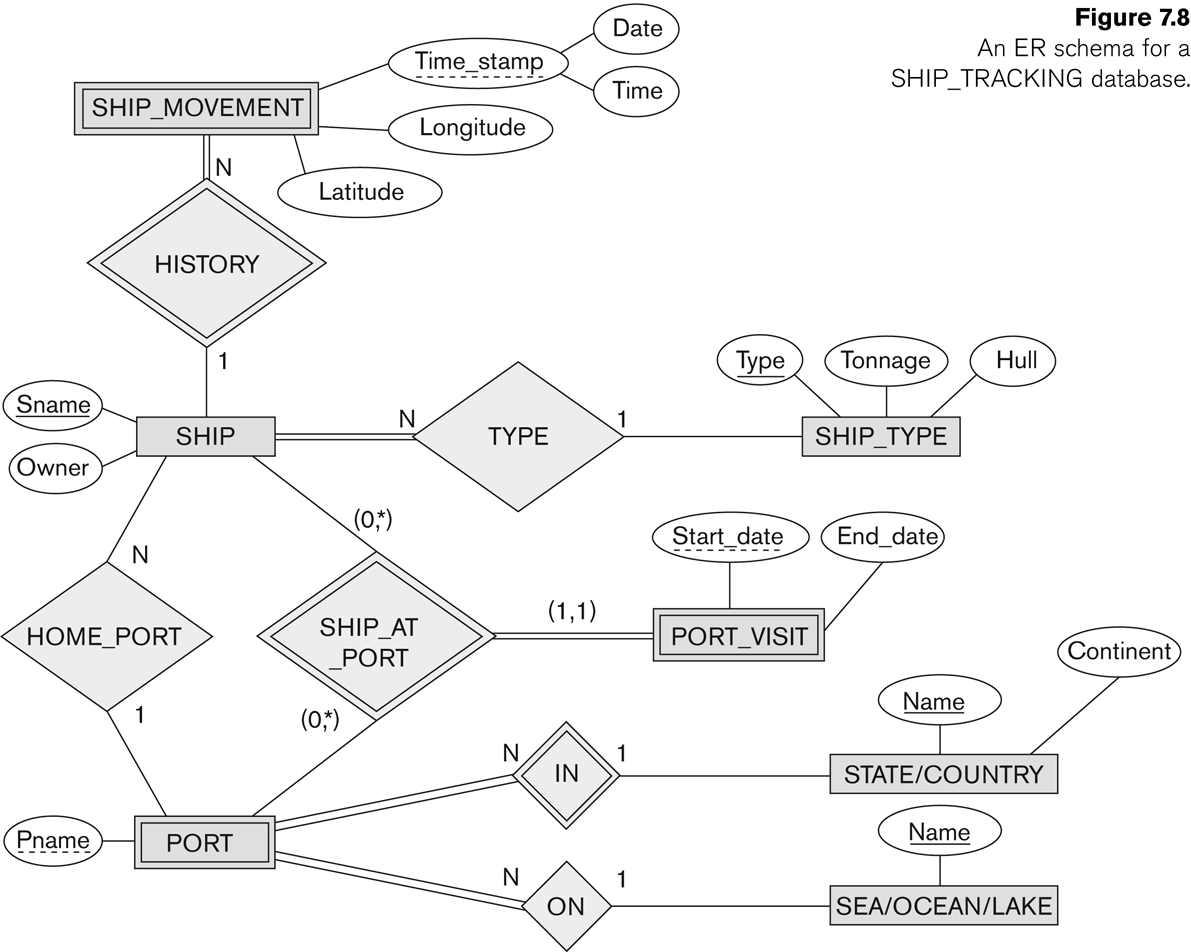


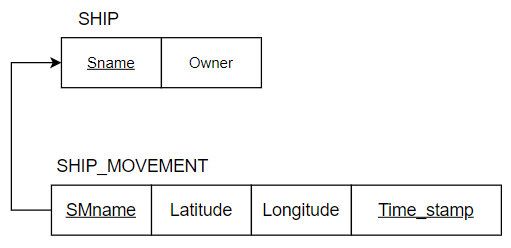


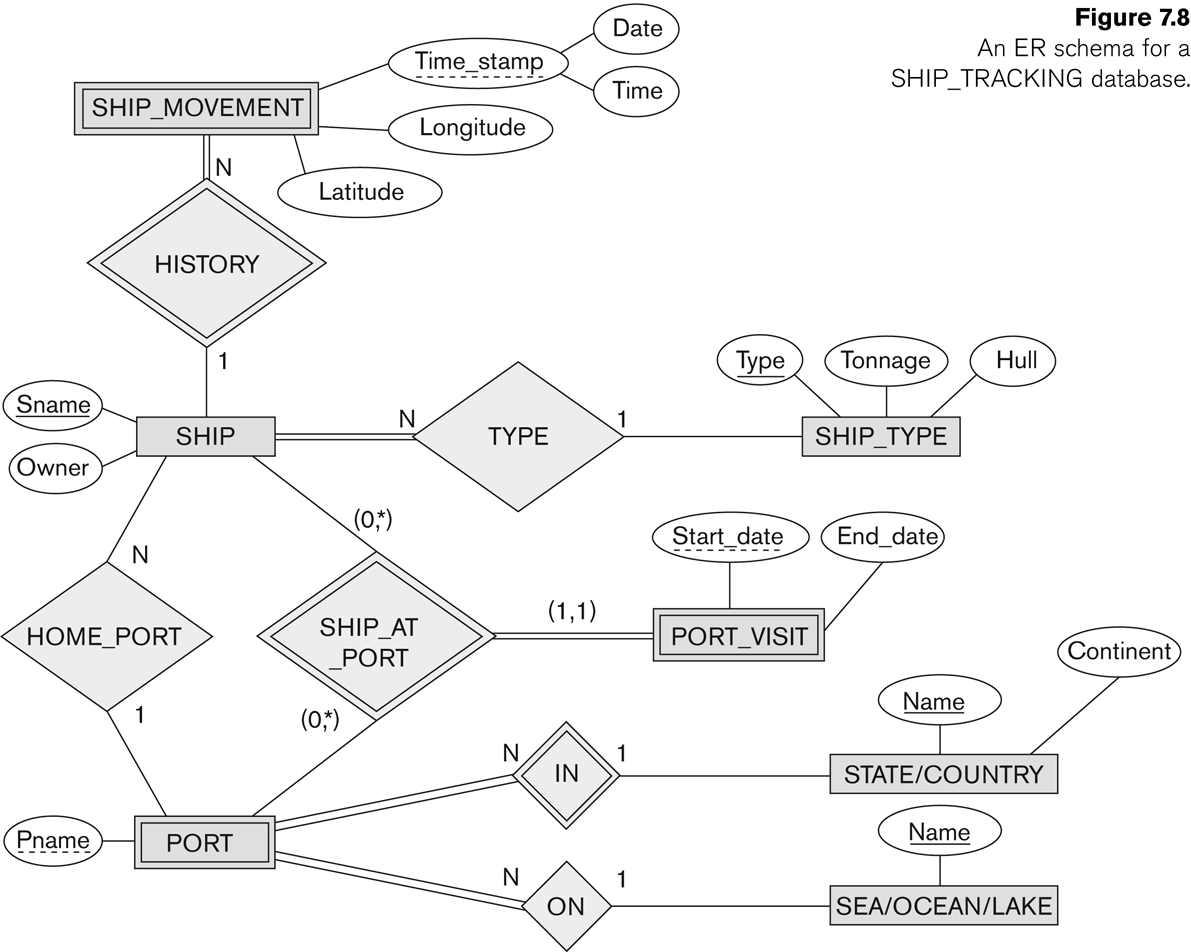


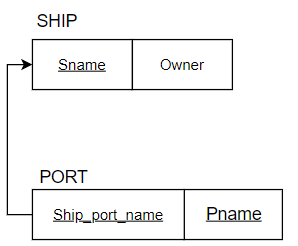


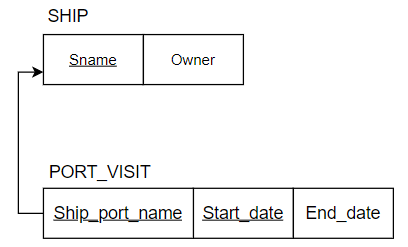
Step 2: Mapping of Weak Entity Types



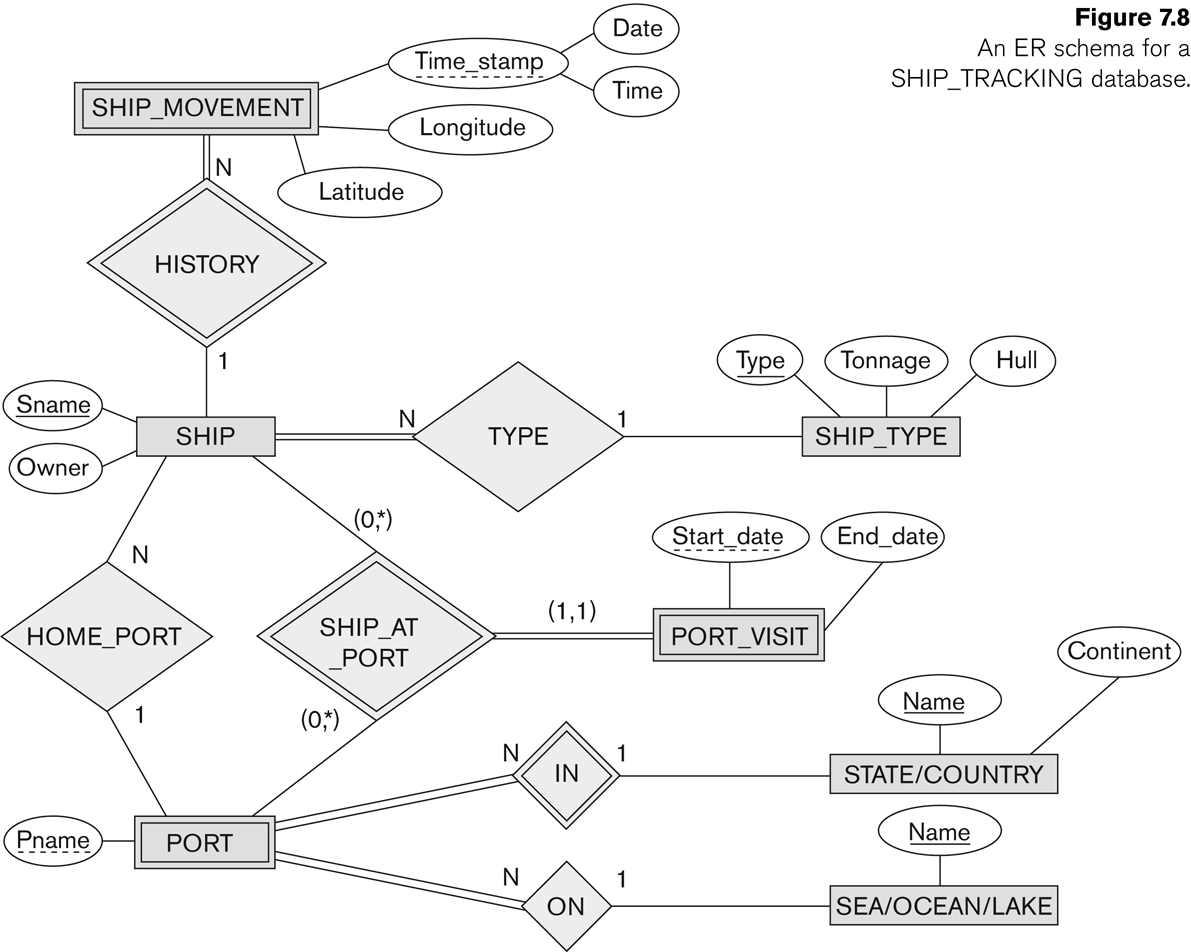


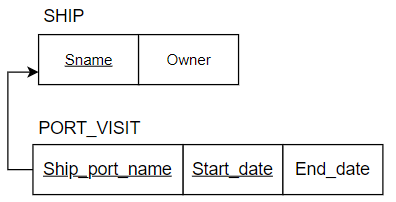




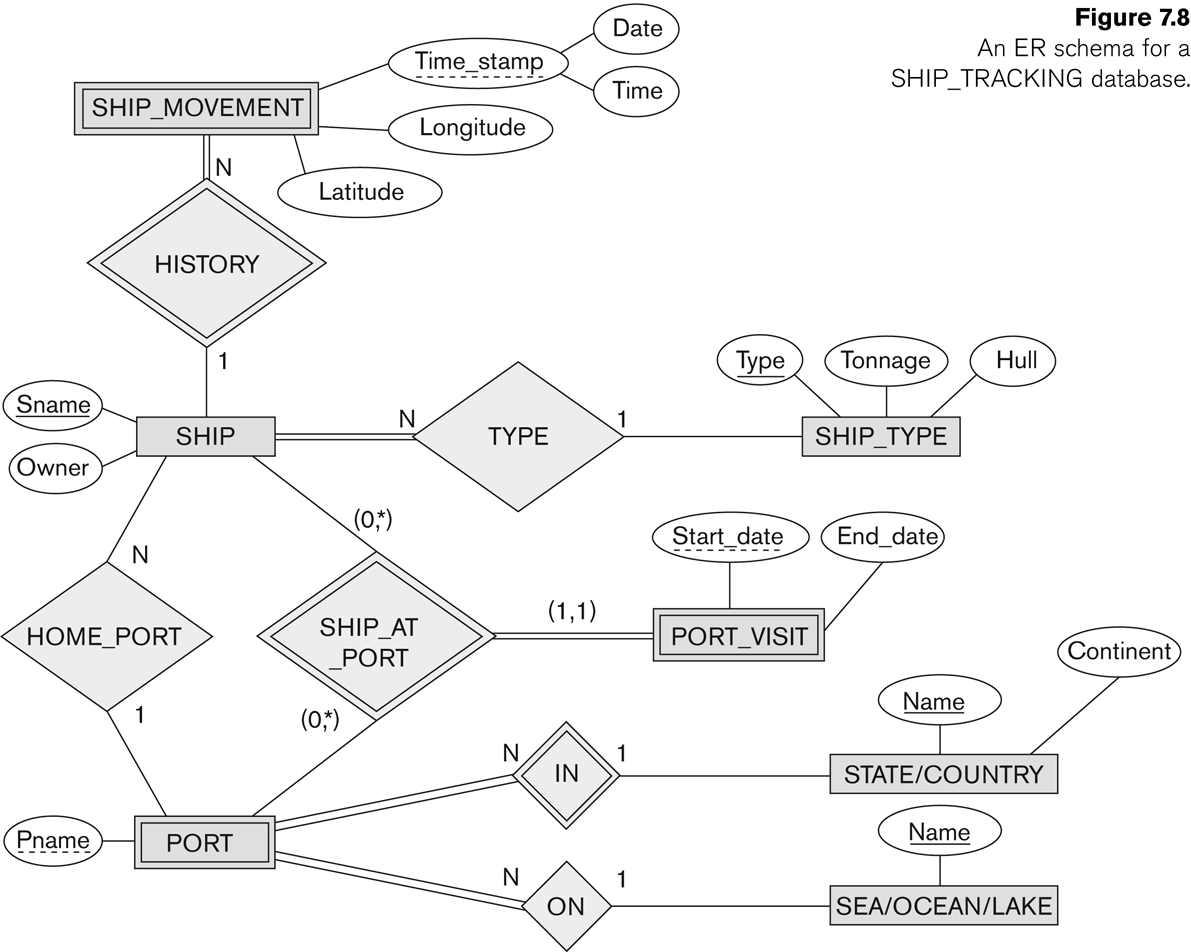


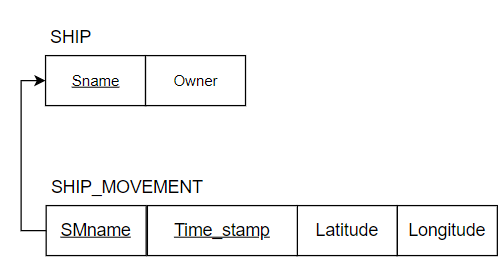
Step 3: Mapping of Binary 1:1 Relation Types

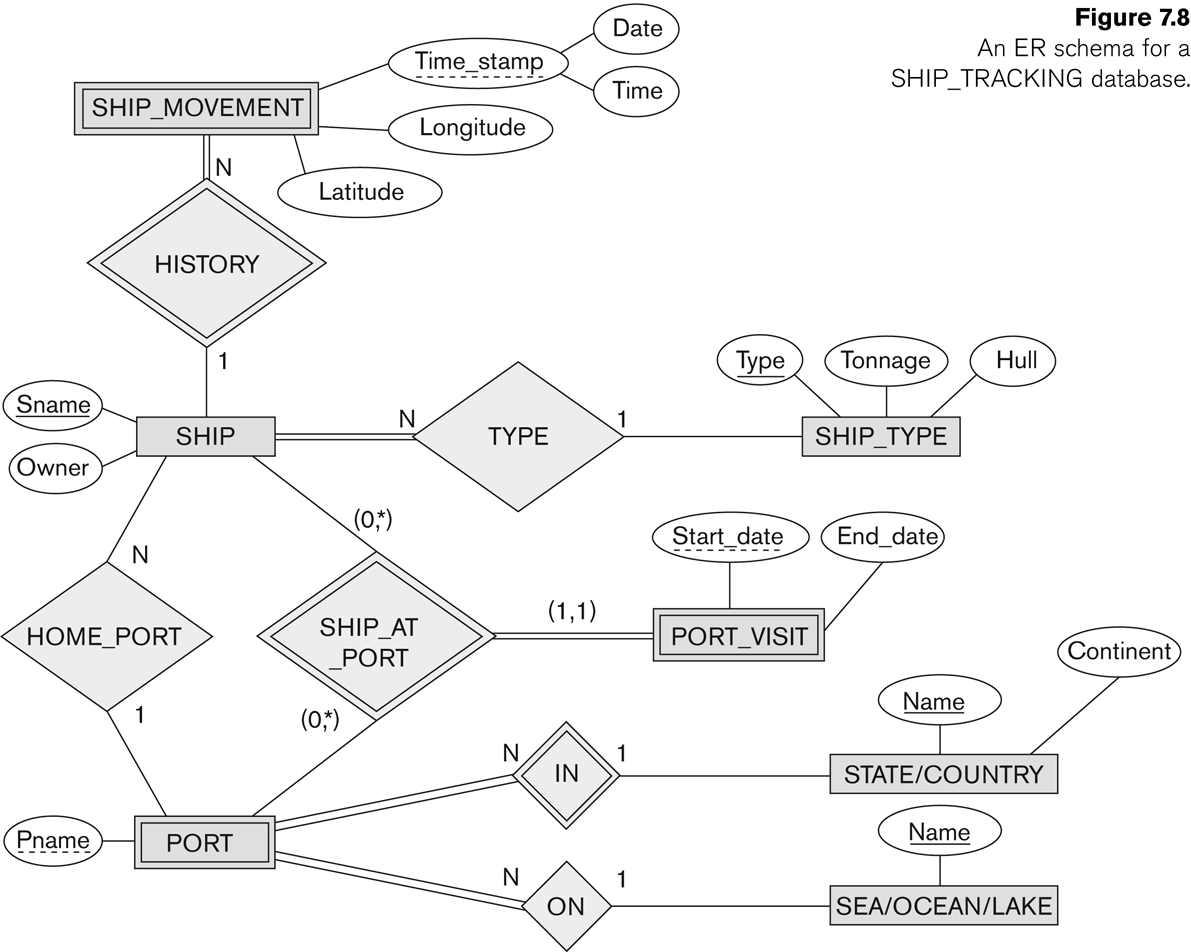


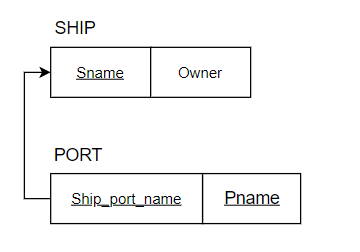


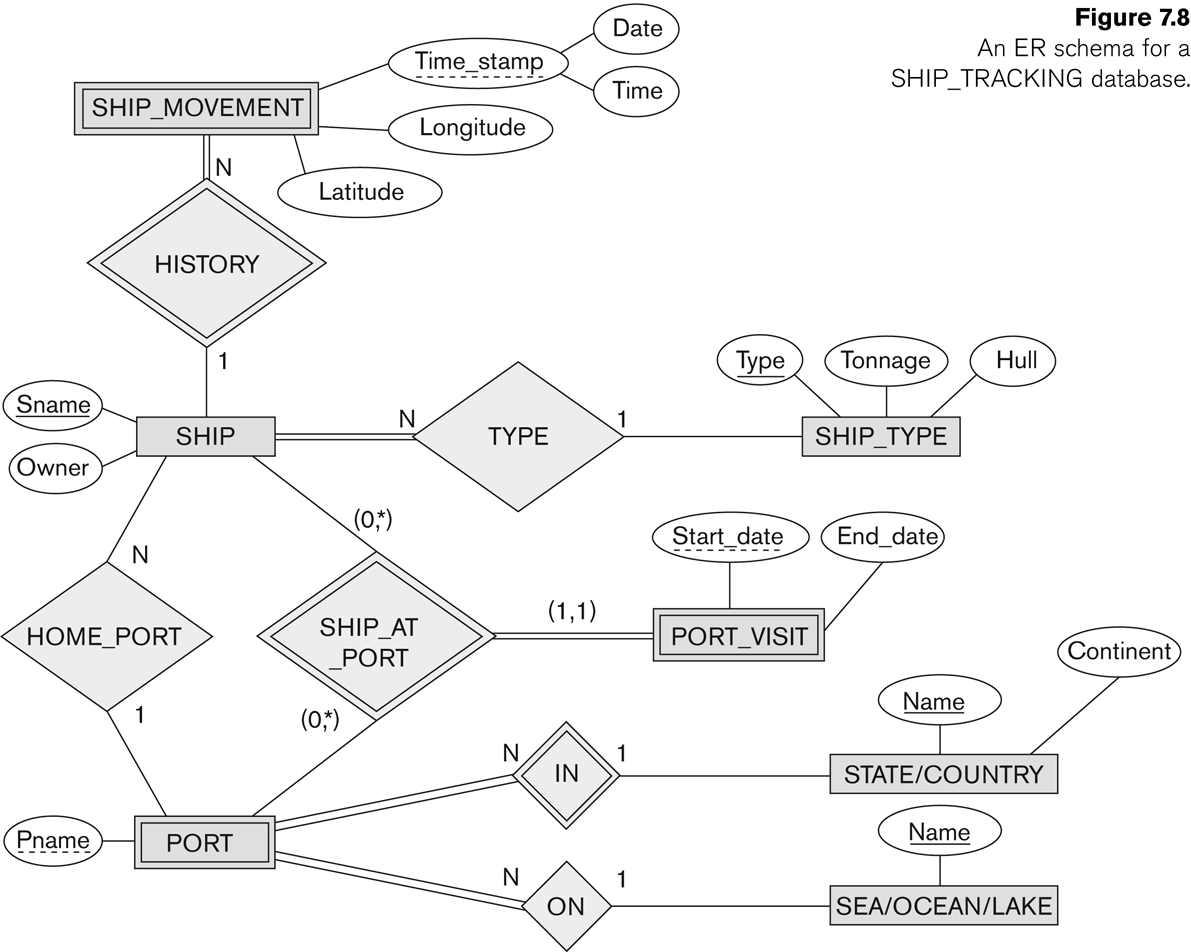
Step 4: Mapping of Binary 1:N Relationship Types.

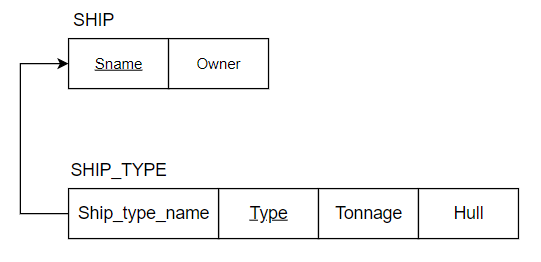


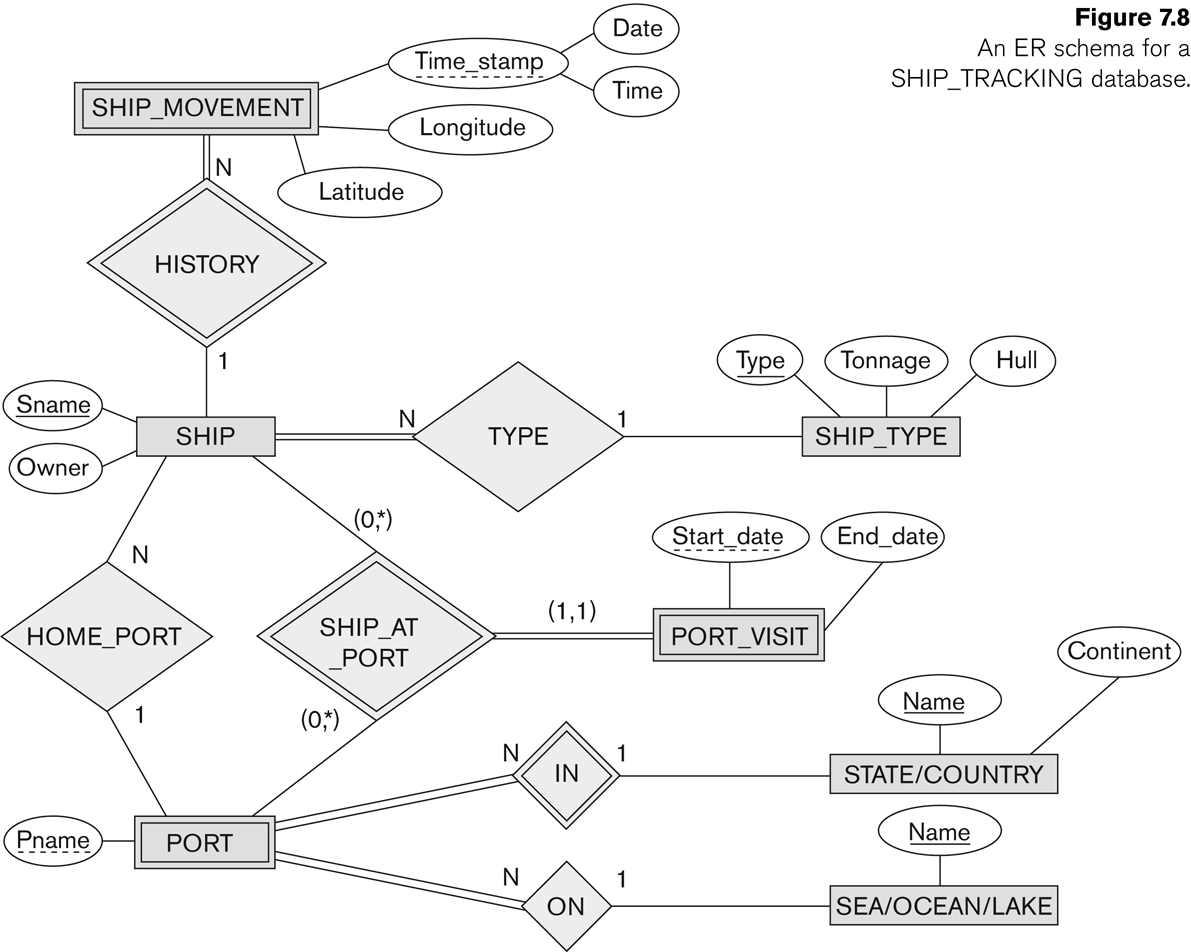


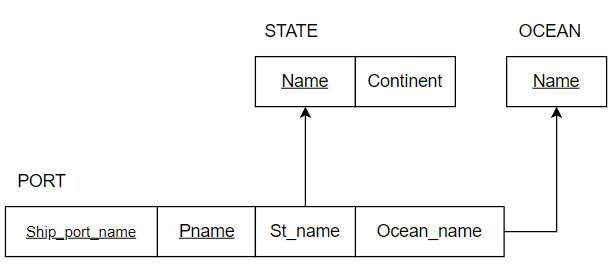








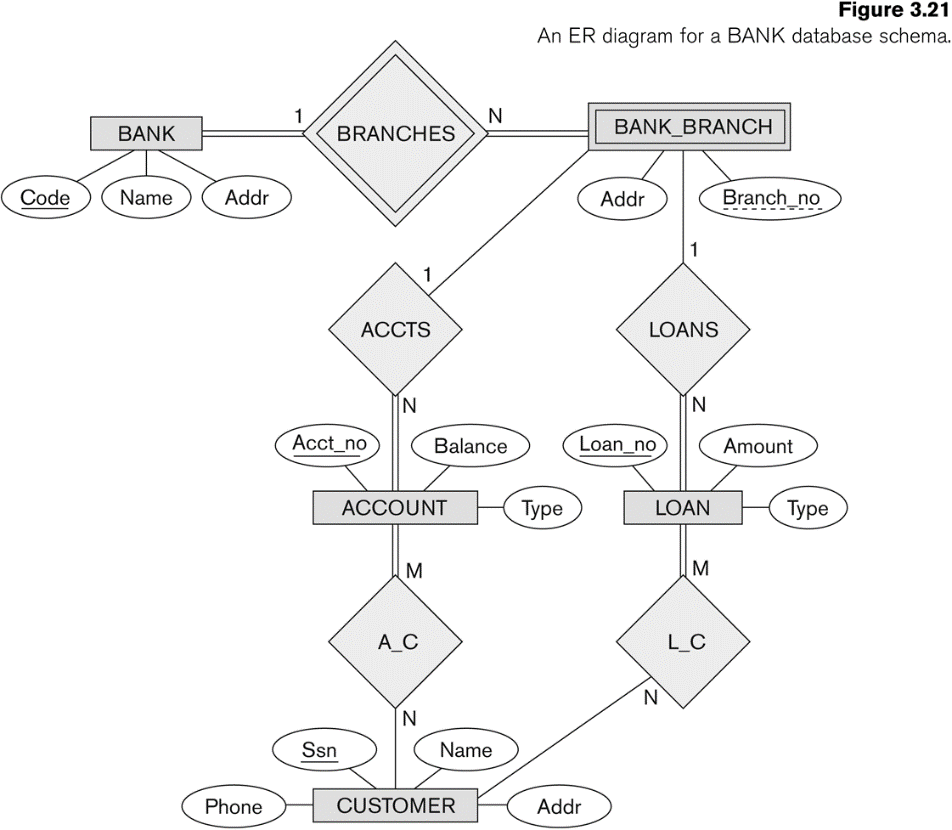




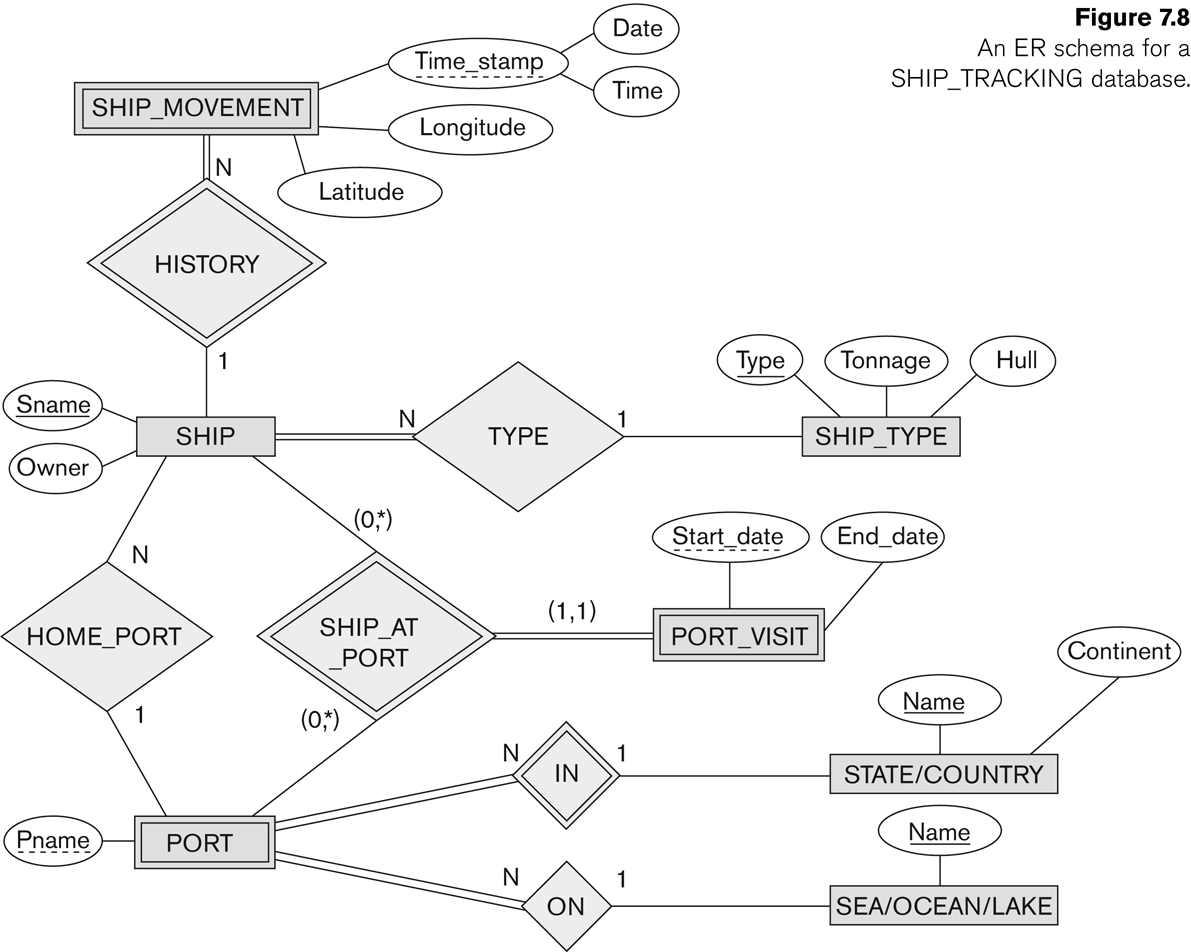
**Relational Diagram**

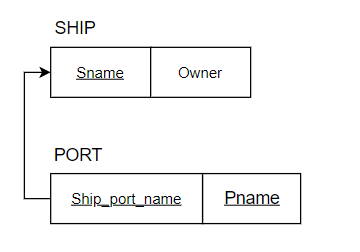
2. Map the BANK ER schema (shown in Figure 3.21) into a relational schema. Specify all primary keys and foreign keys.

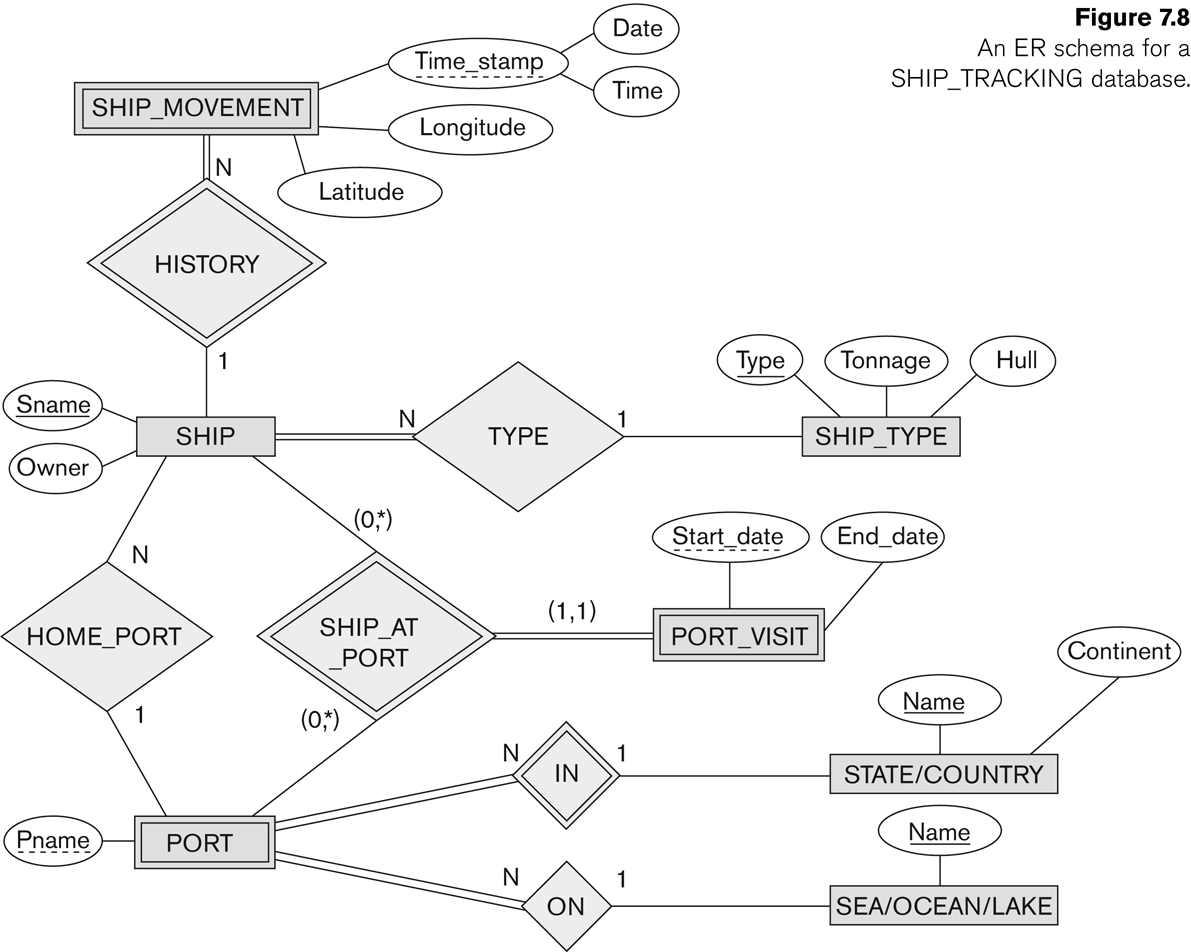
Repeat for the AIRLINE schema (Figure 3.20) [2đ+2đ]

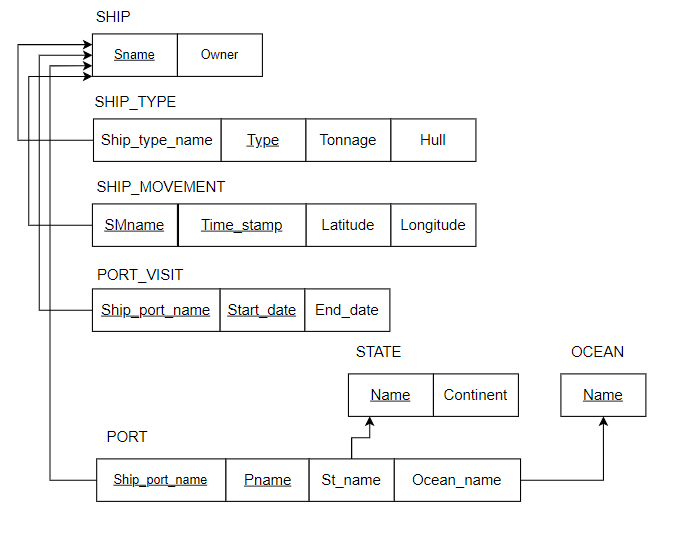


Step 5: Mapping of Binary M:N Relationship Types.

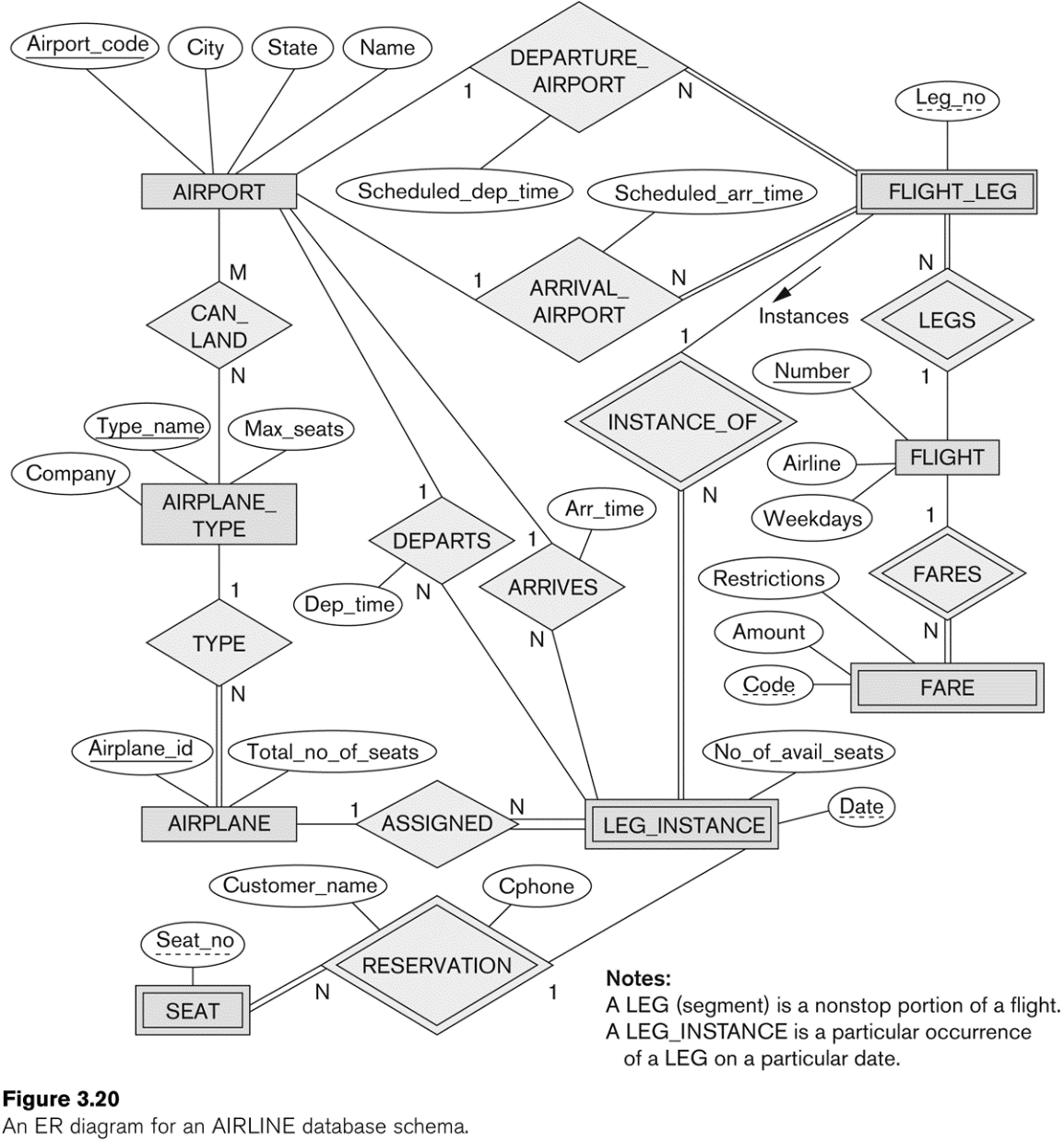






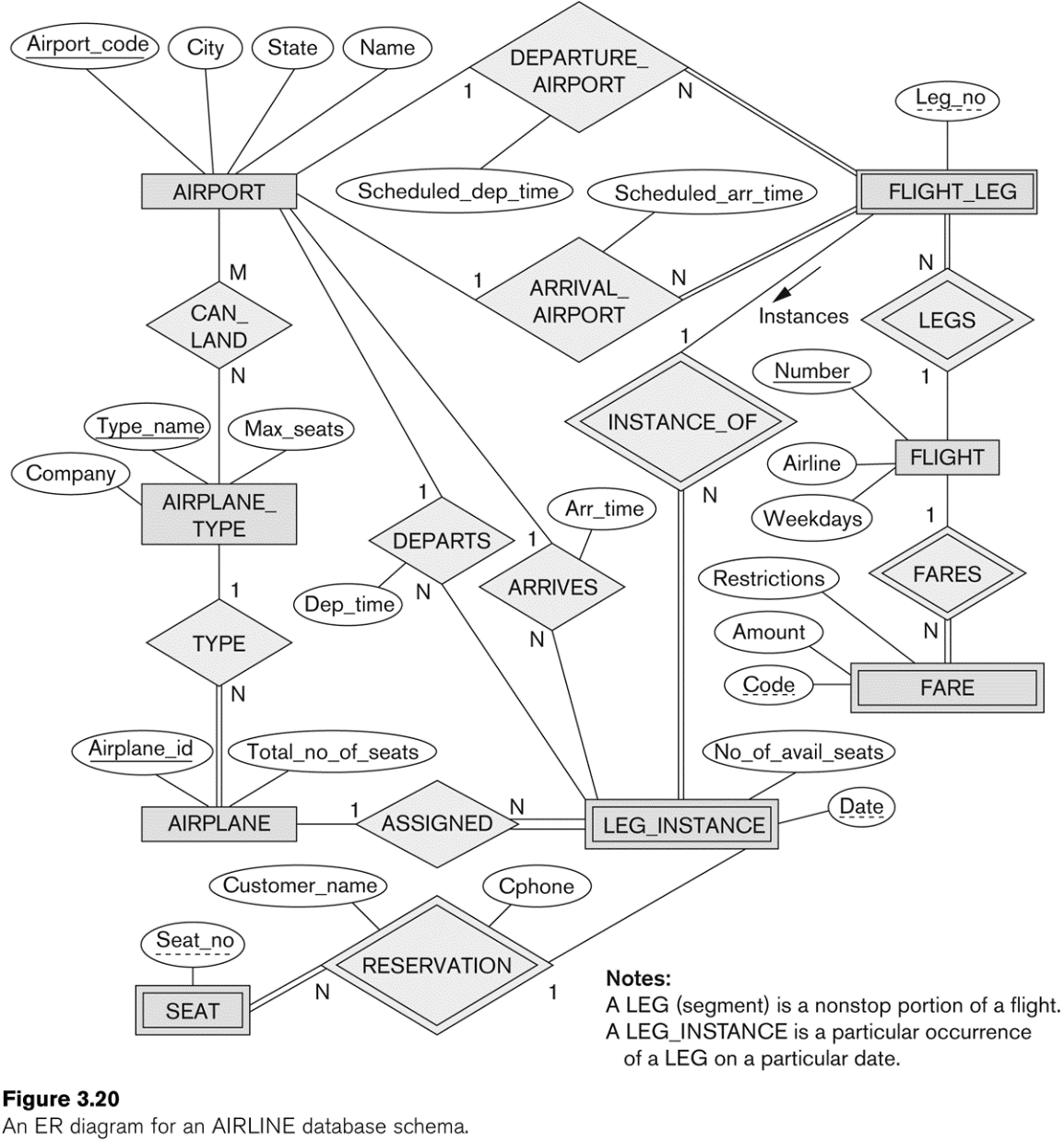
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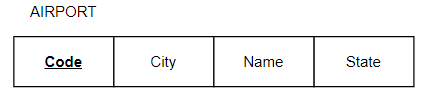
**Relational Diagram Only**

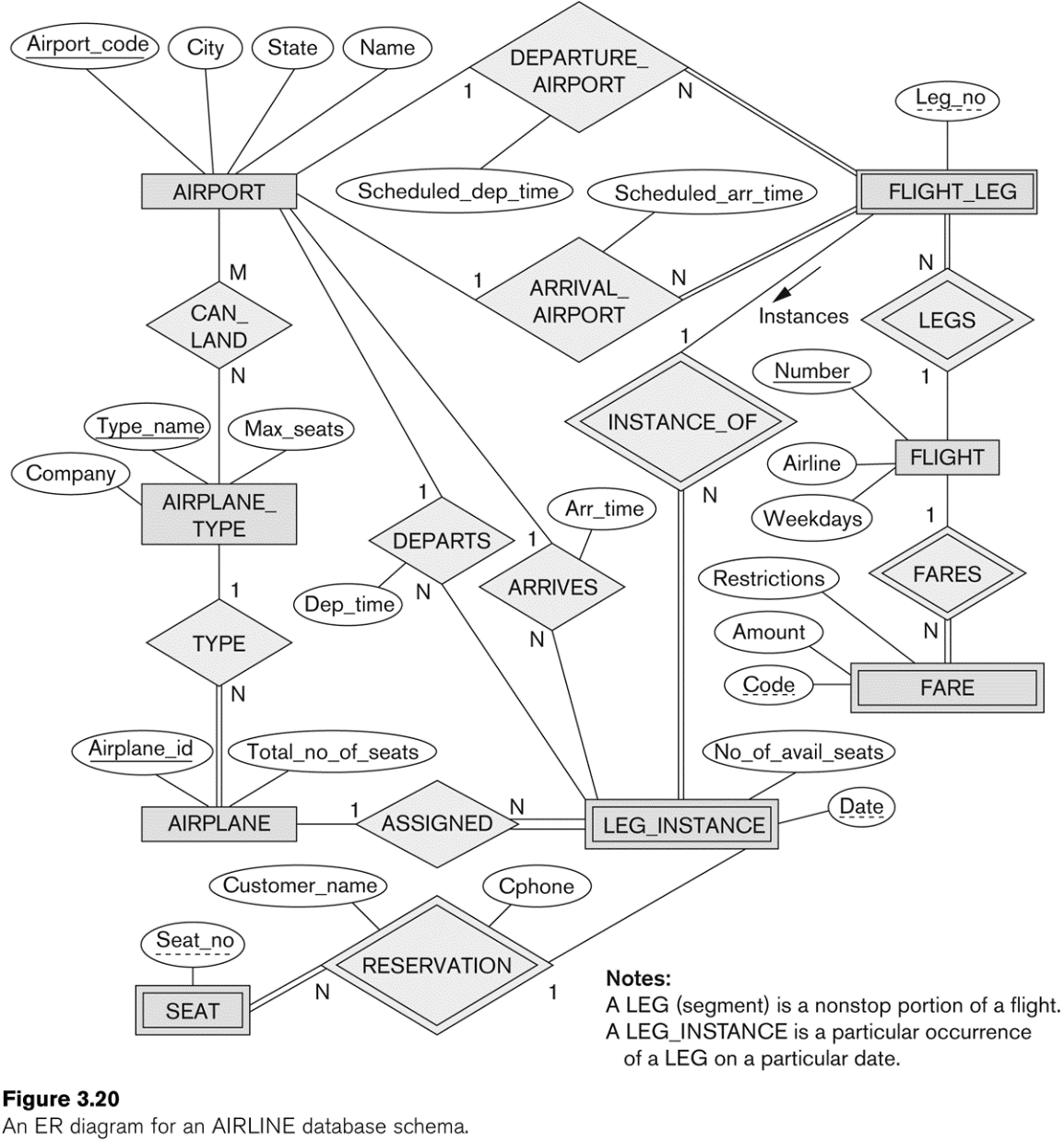


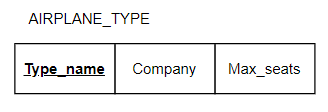
**Step By Step**

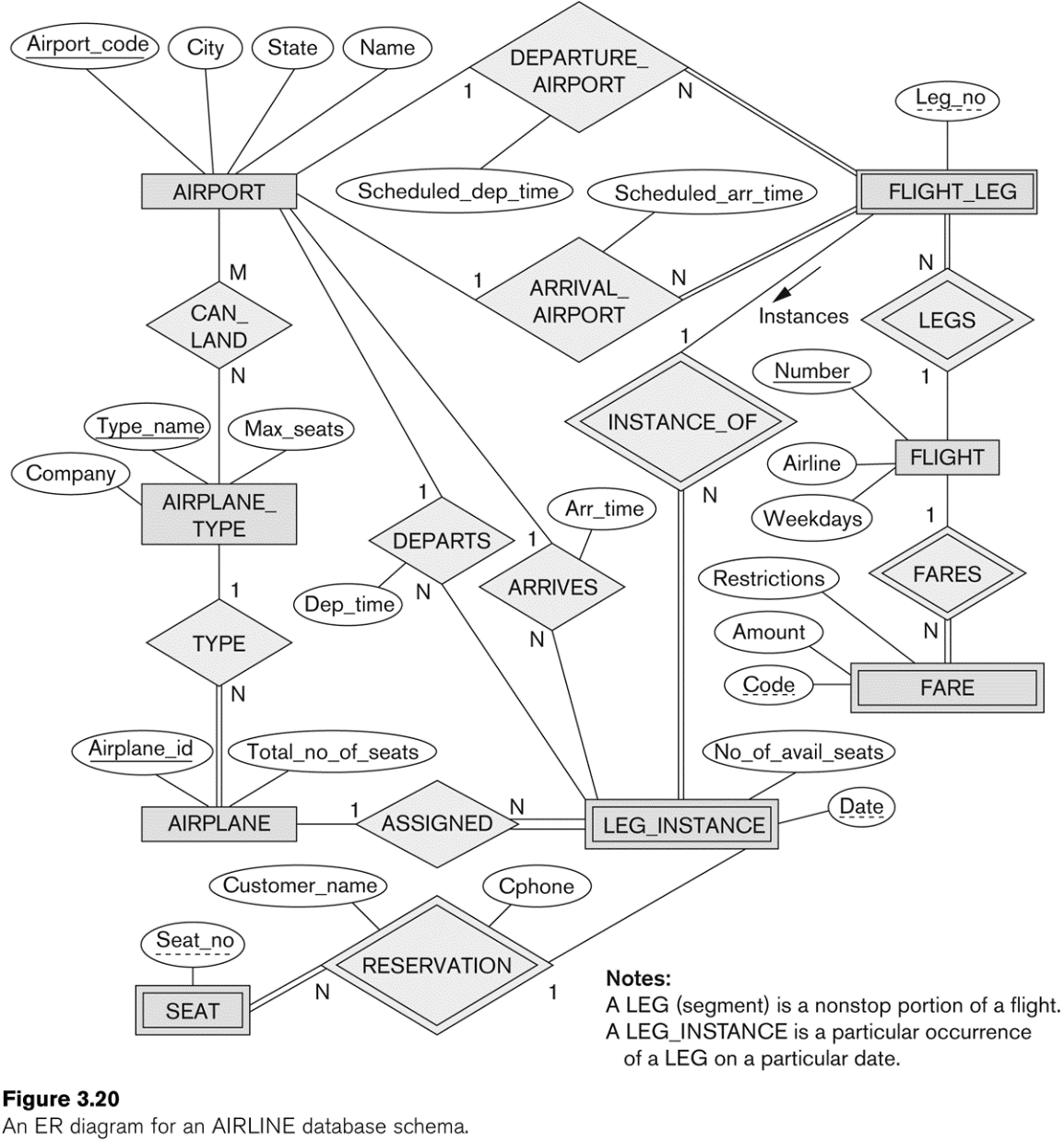
Step 1: Mapping of Regular Entity Types

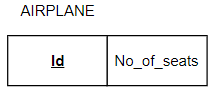


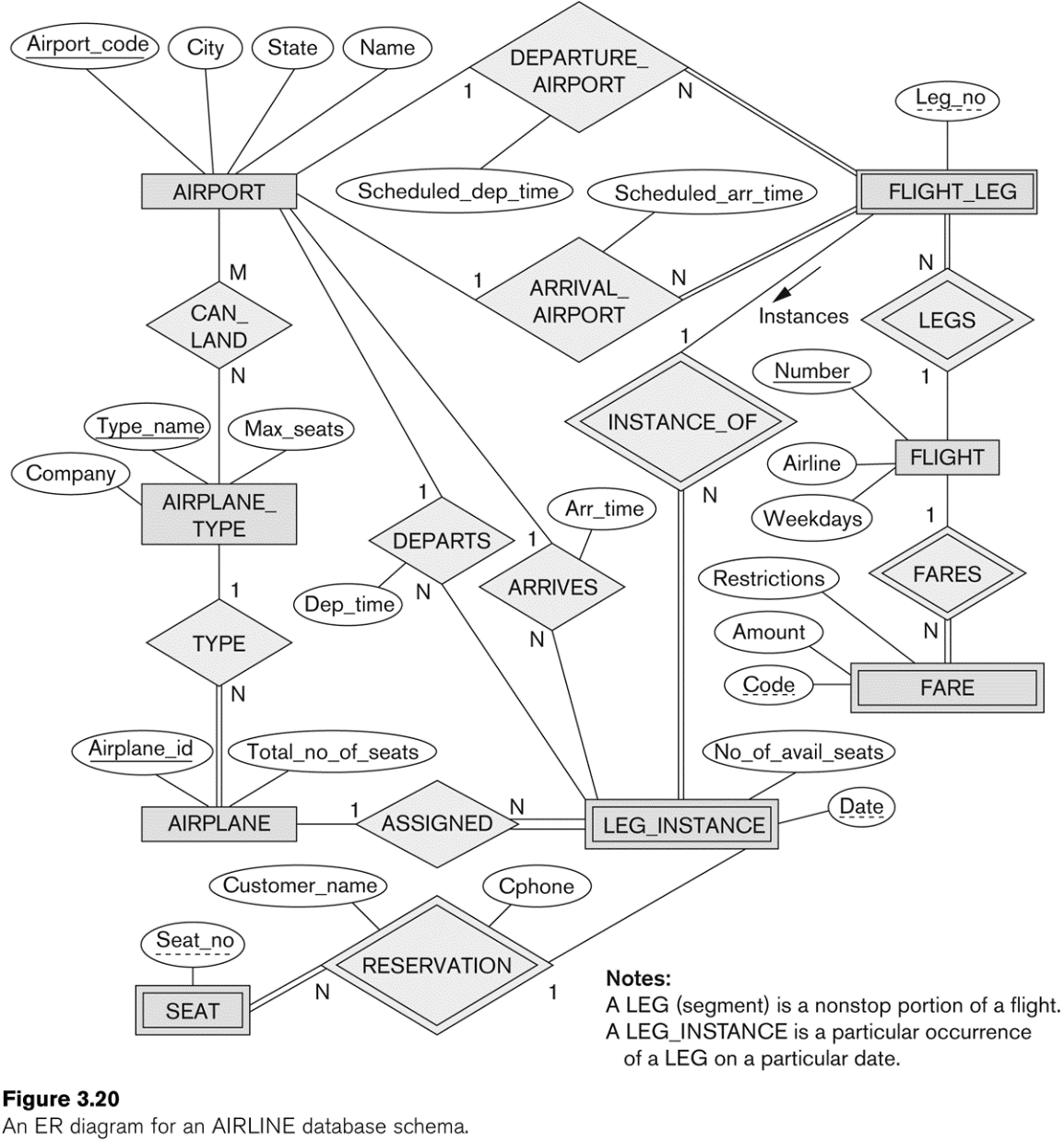


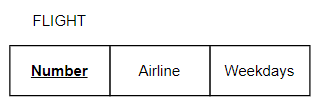




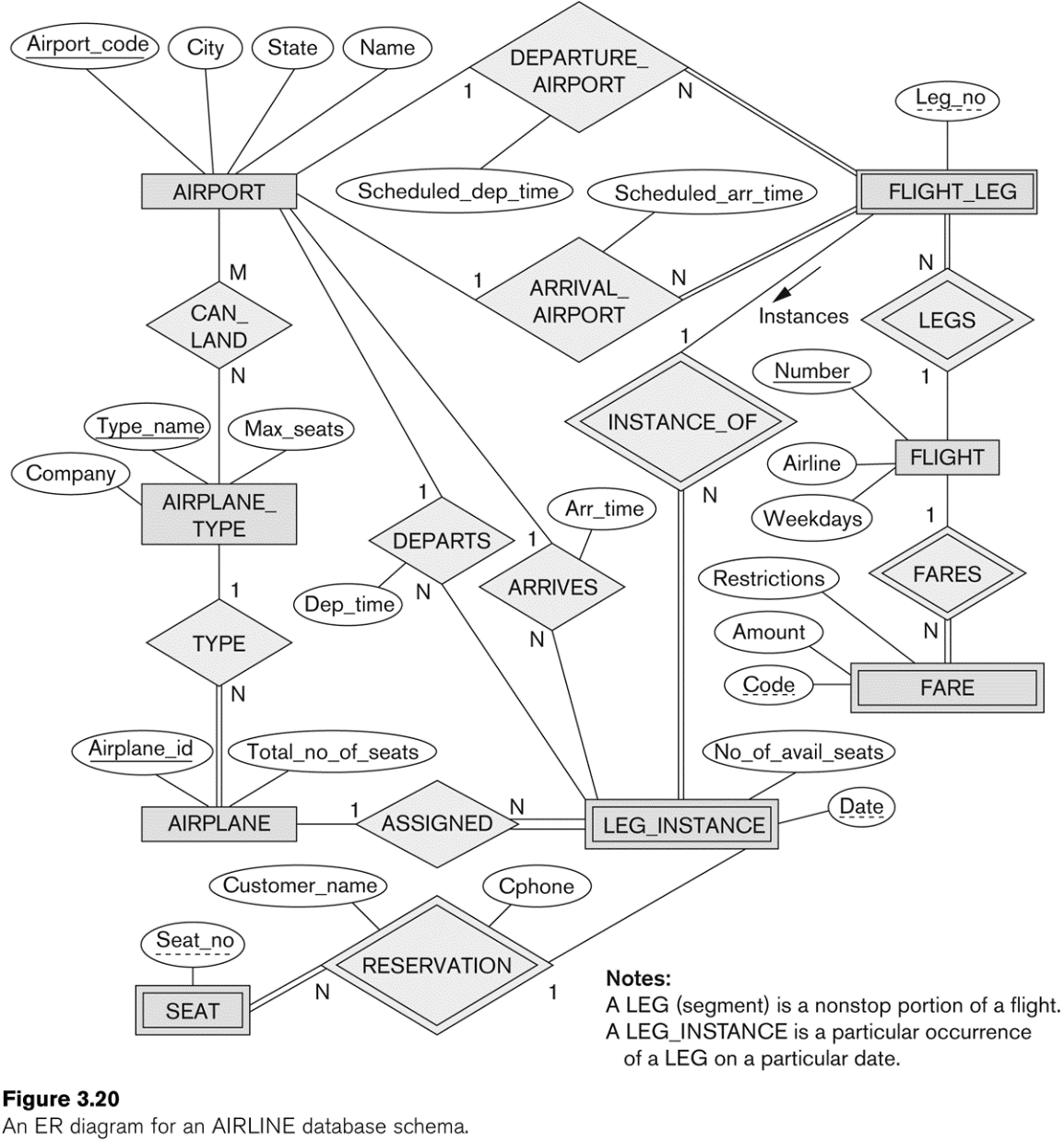


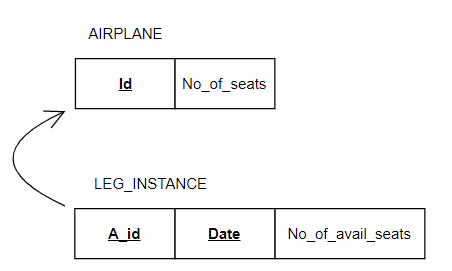


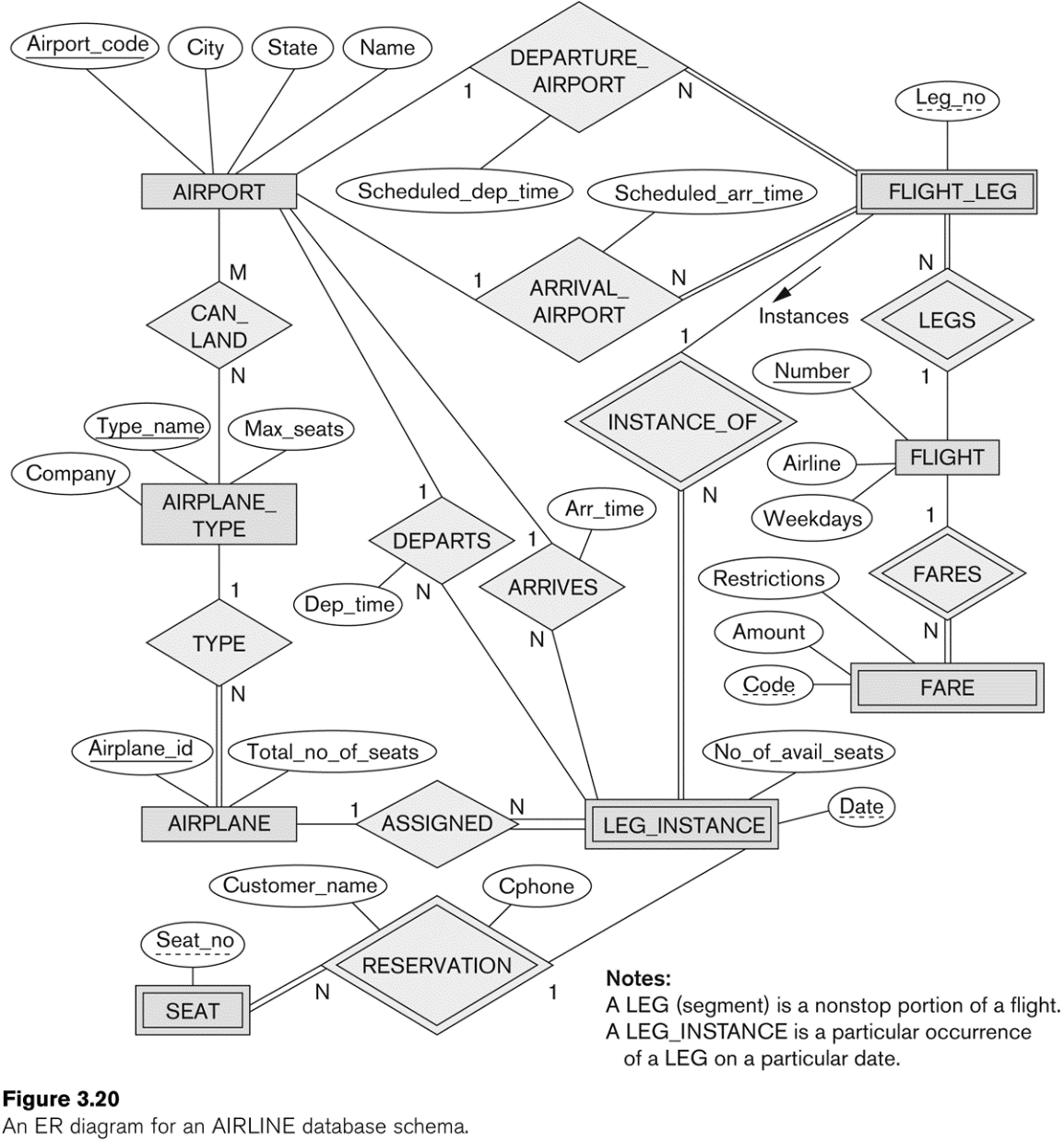


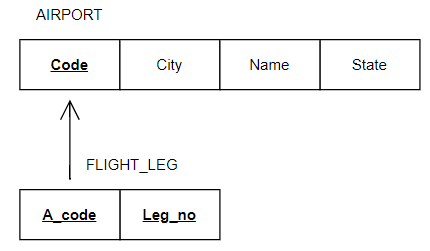


Step 2: Mapping of Weak Entity Types









**Relational Diagram Only**

**HẾT**