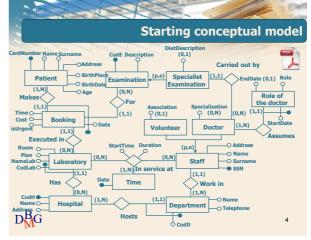


Example of relational logic design

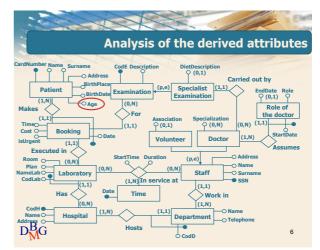




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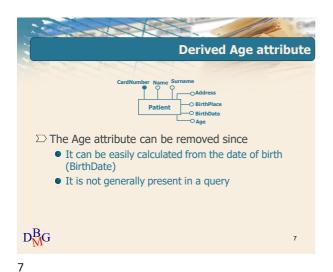
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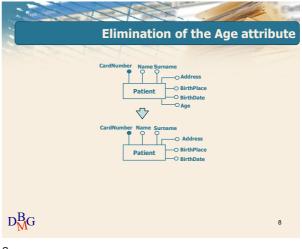


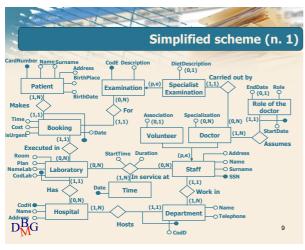




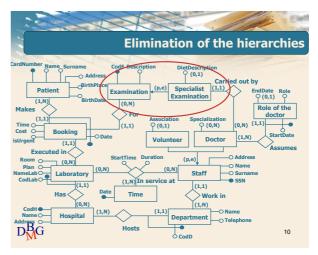
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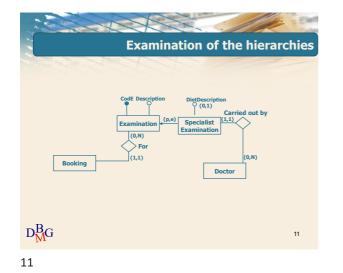


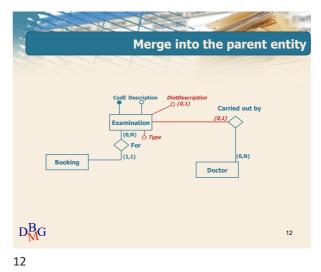


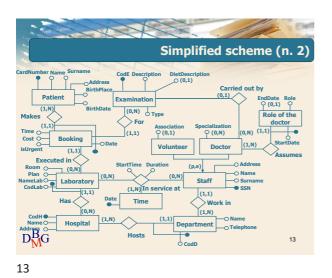


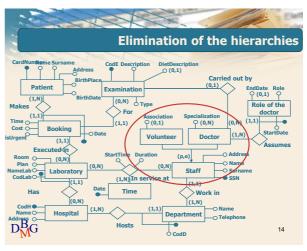
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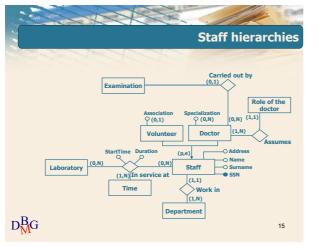


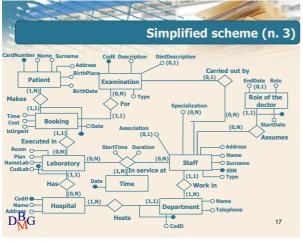




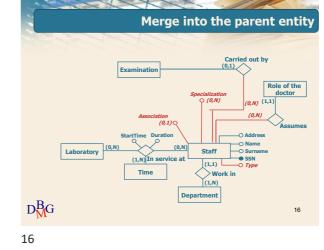


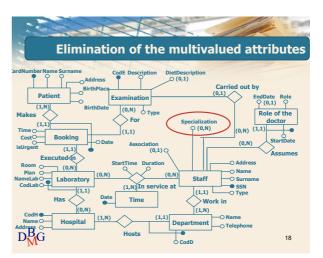




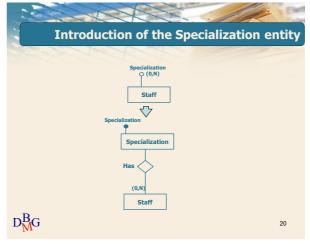


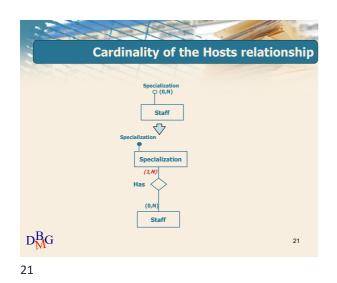


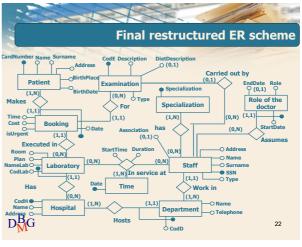




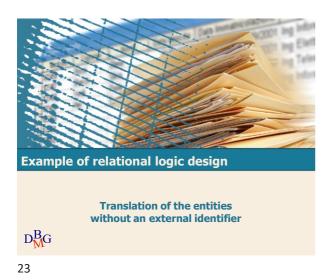


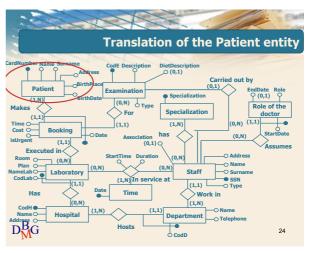






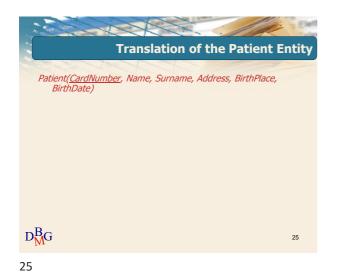
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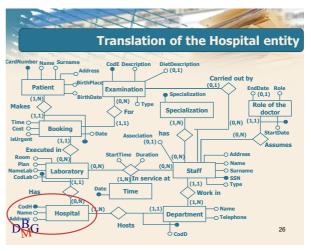


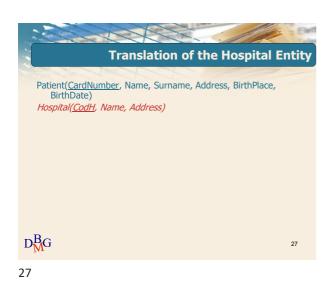


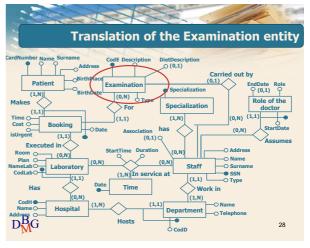
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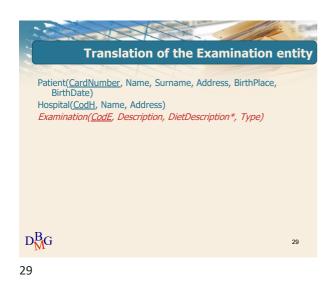


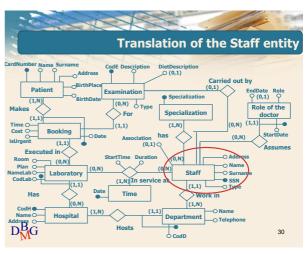




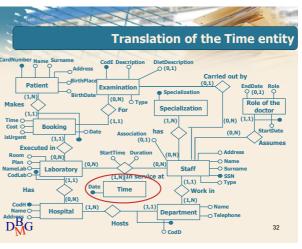


28









Translation of the Specialization entity

Specializatio

(0.1

Staff

(1,1)

(1,N)

Department

-0

CodD

>Work in

(0,N

(1,1)

Carried out by

ON) (1,1

(0,N)

-O Name -O Surna

• SSN • Type

-O Teleph

En

Date (0,1)

34

O (0,1)

(0,1) Q

(1,N) In service at

Examinatio

(0,N) T

For

Ass

Time

Hosts

) (1,1)

(0,N)

(1,N)

32

Patient

Executed in <

Booking

ר (0,N)

(1,1)

Laboratory

Hospital

(1,1)

(0,N)

(1,N)

(1,1

Has

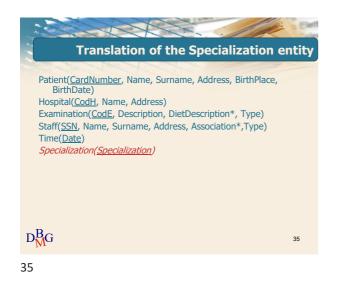
DMG

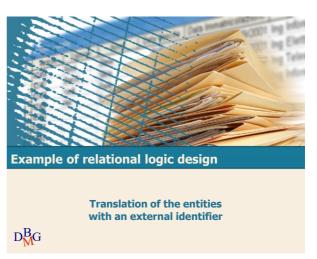
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Makes

Cost

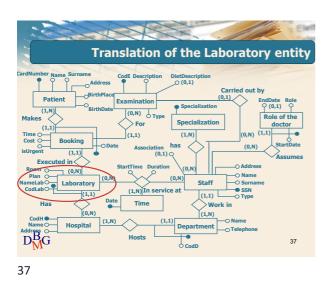




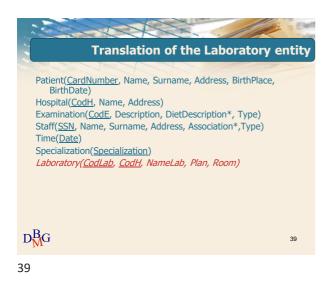


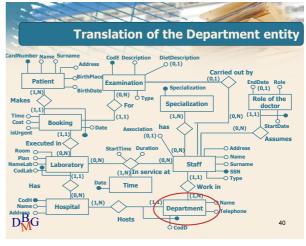


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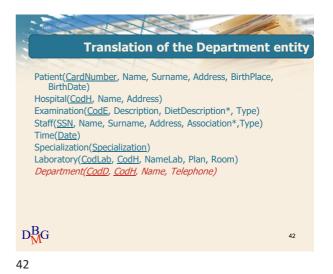


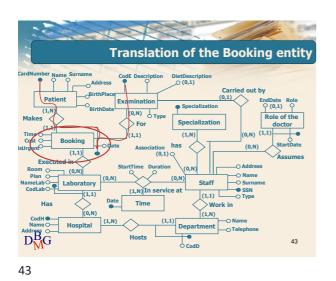














Translation of the Role of the doctor entity

O (0,1)

Specialization

Staff

Department

CodD

(1,1)

>Work in (1,N)

(1.N)

(0.1

(0,N

Examinatio

For

Ass

Time

Hosts

(0,1) Q

(1,1)

(1,N) In service at

(1,1)

(0,N) Typ

Carried out by (0,1)

O Name

SSN

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-O Teleph

Date (0,1)

44

Patient

(1,1)

Booking

(1,1)

(0,N)

Has

Laboratory

Hospital

(0,N)

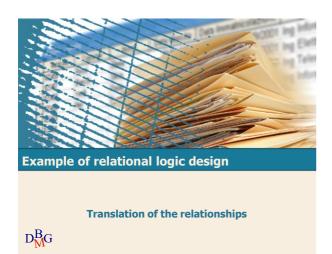
(1,N)

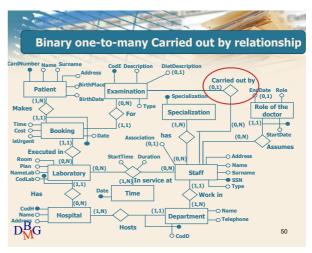












Binary one-to-many Work in relationship

CodD

ole of

52

50

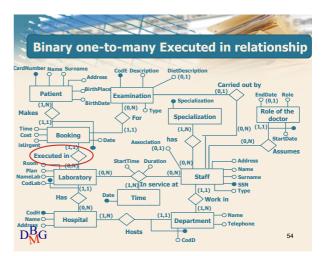
Translation of the Carried out by relationship Patient(CodTes, Name, Surname, Address, BirthPlace, BirthDate) Hospital(CodH, Name, Address) Examination(CodE, Description, DietDescription*, Type, SSN*) Staff(SSN, Name, Surname, Address, Association*, Type) Time(Date) Specialization(Specialization) Laboratory(CodLab, CodH, NameLab, Plan, Room) Department(CodD, CodH, Name, Telephone) Booking(CodTes, CodE, Date, Time, Cost, isUrgent) DoctorRole(SSN, StartDate, EndDate*, Role) DBG 51 51

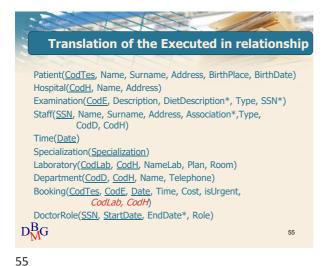


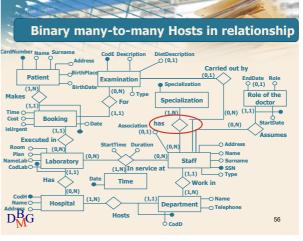


Hosts

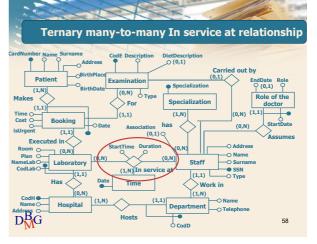
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58



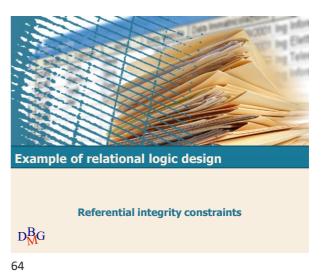


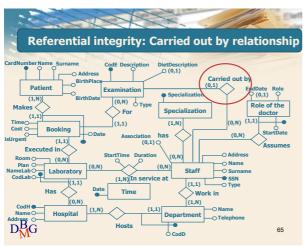




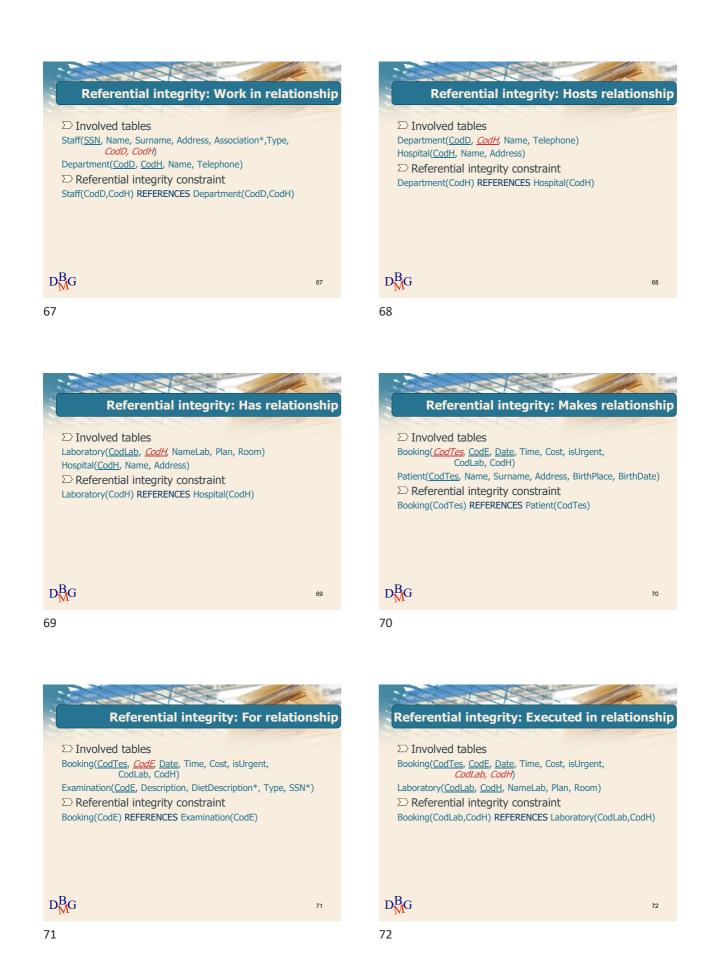


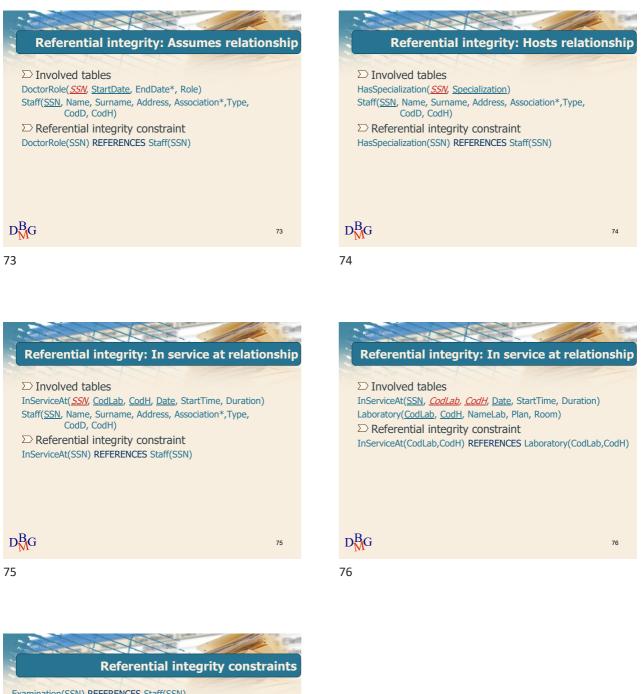












Examination(SSN) REFERENCES Staff(SSN) Staff(CodD,CodH) REFERENCES Department(CodD,CodH) Department(CodH) REFERENCES Hospital(CodH) Laboratory(CodH) REFERENCES Hospital(CodH) Booking(CodTes) REFERENCES Patient(CodTes) Booking(CodLab,CodH) REFERENCES Laboratory(CodLab,CodH) DoctorRole(SSN) REFERENCES Staff(SSN) HasSpecialization(SSN) REFERENCES Staff(SSN) InServiceAt(SSN) REFERENCES Staff(SSN) InServiceAt(CodLab,CodH) REFERENCES Laboratory(CodLab,CodH) DBG