

Lab 04 DBMS - Mustafa Farhan mq09644

1NF:

Publications(Pub_ID (FK), ResearchPaperTitle, Pub_Date, Journal, Category, No_Of_Pages)

SubjectInfo(SubjectArea, Pub_ID)

FacultyInfo(Faculty_ID, FacultyName, Pub_ID)

SupervisorInfo(Sup_ID, SupervisorName, Pub_ID)

- Functional Dependency:

{Pub_ID} -> {Pub_Date, ResearchPaperTitle, Journal, Category, No_Of_Pages}

{Faculty_ID} -> {FacultyName}

{Sup_ID} -> {SupervisorName}

{Pub_ID, SubjectArea} -> {}

2NF:

Publications(Pub_ID (FK), ResearchPaperTitle, Pub_Date, Journal, Category, No_Of_Pages)

SubjectInfo(SubjectArea, Pub_ID)

FacultyInfo(Faculty_ID, FacultyName, Pub_ID)

SupervisorInfo(Sup_ID, SupervisorName, Pub_ID)

3NF:

Publications(Pub_ID (FK), ResearchPaperTitle, Pub_Date, No_Of_Pages)

Journals(Journal, Category, Pub_ID)

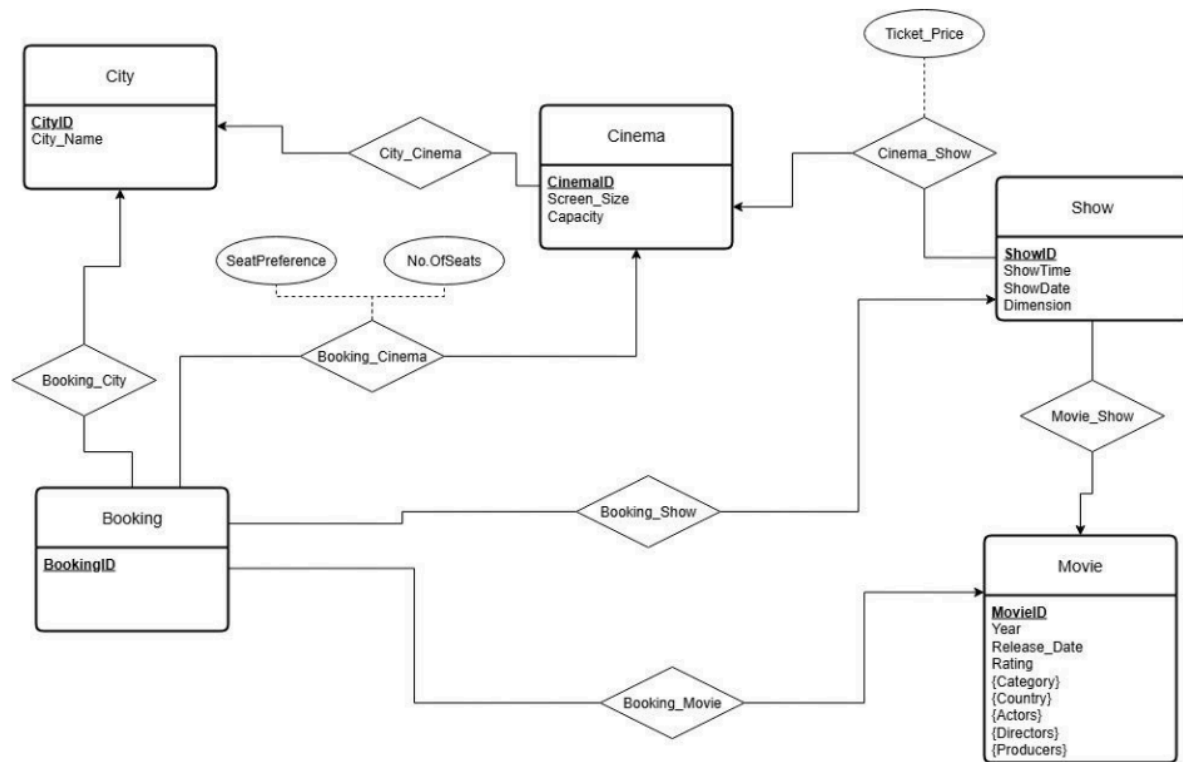
SubjectInfo(SubjectArea, Pub_ID)

FacultyInfo(Faculty_ID, FacultyName, Pub_ID)

SupervisorInfo(Sup_ID, SupervisorName, Pub_ID)

Q2:

ERD



- Assumed that release date will be enough to determine a future movie release