

‘Problems 1, 2, 3’

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Assignment 5

Problem 1)

R1.1

MovieTitle, Director → Producer

SPTitle, Author → Temp

SPTitle, Author, SceneNo → StoryLocation, FilmLocation

ActorName → Phone, Address, AgentName

SPTitle, Author, SceneNo, TakeNo → Date, Time

ActorName, SceneNo → StoryLocation, FilmLocation

ActorName, SceneNo, TakeNo → Date, Time

R1.2

MovieTitle, Director → Producer

SPTitle, Author → Temp

SPTitle, Author, SceneNo → StoryLocation, FilmLocation

ActorName → Phone, Address, AgentName

SPTitle, Author, SceneNo, TakeNo → Date, Time

ActorName, SceneNo → StoryLocation, FilmLocation

ActorName, SceneNo, TakeNo → Date, Time

R1.3

[MovieTitle, Director | Producer]

MovieTitle, Director → Producer

[SPTitle, Author|]

SPTitle, Author → Temp

[SPTitle, Author, SceneNo| StoryLocation, FilmLocation]

SPTitle, Author, SceneNo → StoryLocation, FilmLocation

[ActorName | Phone, Address, AgentName]

ActorName → Phone, Address, AgentName

[SPTitle, Author, SceneNo, TakeNo | Date, Time]

SPTitle, Author, SceneNo, TakeNo → Date, Time

[ActorName, SceneNo | StoryLocation, FilmLocation]

ActorName, SceneNo, TakeNo → Date, Time

[ActorName, SceneNo, TakeNo | Date, Time]

SPTitle, Author, SceneNo, TakeNo → Date, Time

Problem 2)

R2.1

Code → title, publisher, date

SongID → title, composer

UserID → password, name, emailAddress

SongID, Code → length, page

UserID, Code → pdfFileName, PageOffset

R2.2

Code → title, publisher, date

SongID → title, composer

UserID → password, name, emailAddress

SongID, Code → length, page

UserID, Code → pdfFileName, PageOffset

R2.3

[Code | title, publisher, date]

Code → title, publisher, date

[SongID | title, composer]

SongID → title, composer

[UserID | password, name, emailAddress, title]

UserID → password, name, emailAddress

[SongID, Code | length, page]

SongID, Code → length, page

[UserID, Code | pdfFileName, PageOffset]

UserID, Code → pdfFileName, PageOffset

Problem 3)

R3.1

stdnum \rightarrow name, strnum, street, postcode, area_code, office_code, station_code, email

email \rightarrow student

area_code, office_code \rightarrow city

postcode \rightarrow city

course_num \rightarrow department_name

period, room_number, term \rightarrow course_section

room_num \rightarrow building

stdnum, course_num, course_section \rightarrow grade

R3.2

stdnum \rightarrow name

stdnum \rightarrow strnum

stdnum \rightarrow street

stdnum \rightarrow postcode

stdnum \rightarrow area_code

stdnum \rightarrow office_code

stdnum \rightarrow station_code

stdnum \rightarrow email

email \rightarrow student

area_code, office_code \rightarrow city

postcode \rightarrow city

course_num \rightarrow department_name

period, room_number, term \rightarrow course_section

room_num \rightarrow building

stdnum, course_num, course_section \rightarrow grade

R3.3

[stdnum | name, strnum, street, postcode, area_code, office_code, station_code, email]

[email | student]

[area_code, office_code | city]

[postcode | city]

[course_num | department_name]

[period, room_number, term | course_section]

[room_num | building]

[stdnum, course_num, course_section | grade]

[stdnum, course_num, period, room_number, term, room_num |]