Ryan Timbrook

IST 659 Data Admin Concepts & Db Mgmt

Date: 7/30/18

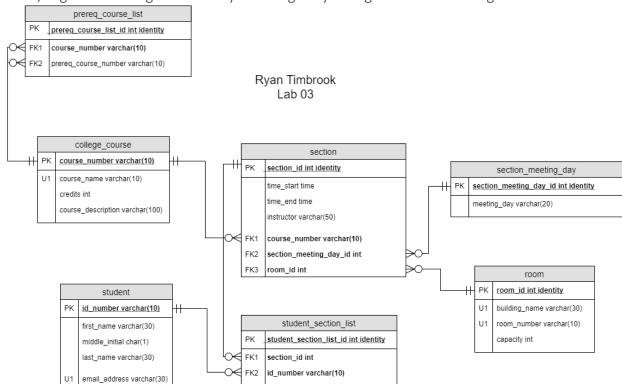
Lab Assignment: Lab 3, Logical Modeling

Description / Learning Objective

- Demonstrate understanding of the logical model
- Demonstrate ability to convert conceptual ERDs to logical model diagrams (E-ERDs)
- Identify the appropriate cardinality and degree of relationships
- Identify data types using narrative elements and prior domain knowledge

Responses:

Part 1, Logical Modeling - Case Study 1 – Obligatory College Classes Modeling



Part 1, Logical Modeling - Case Study 2 – Project Management project backlog_dependency_list backlog PK project_id int identity backlog_dependency_list_id int identity PK backlog_id int identity project_name varchar(30) FK1 backlog_id int backlog_description varchar(50) dependent_backlog_id int estimated_units int actual_units int sprint completed_status varchar(20) PK sprint_id int identity project_id int Ryan Timbrook start_date datetime sprint_id int Lab 03 end_date datetime actor_id int actor ₩ PK actor_id int identity first_name varchar(20) last_name varchar(20) U1 email_address varchar(30) skill skill_id int identity skill_name varchar(30) actor_id int

Part 1, Logical Modeling - Case Study 3 – Book Publishing Database publisher publisher_id int identity address U1 publisher_name varchar(50) PΚ address_id int identity publisher_telephone_num varchar(14) address1 varchar(100) address2 varchar(100) ++ FK1 address_id int author_publisher city varchar(50) book_isbn varchar(20) author_publisher_id int identity state char(2) author_id int publisher_id int author book author_id int identity isbn varchar(20) author_fname varchar(50) book_title varchar(100) author_mname varchar(50) book_price money author_Iname varchar(50) book_pages int Ryan Timbrook address_id int Lab 03 author_book author_book_id int identity FK1 author_id int Fk2 book_isbn varchar(20) check PK check_num int author_royalty check_date datetime author_royalty_id int identity check amount money author_id int book_isbn varchar(20) royalty_rate money

Part 2, Part 1 – VidCast Logical Model

Lab 03

