

Department of Software Engineering
Mehran University of Engineering and Technology, Jamshoro

Course: SWE324 - Data Warehousing and Data Mining

Instructor	Rabeea Jaffari	Practical/Lab No.	05
Date	30 April 2019	CLOs	CLO-4: P3 & P4
Signature		Assessment Score	1 Marks

Topic To become familiar with DW Design

Objectives - To learn conceptual and logical DW Design

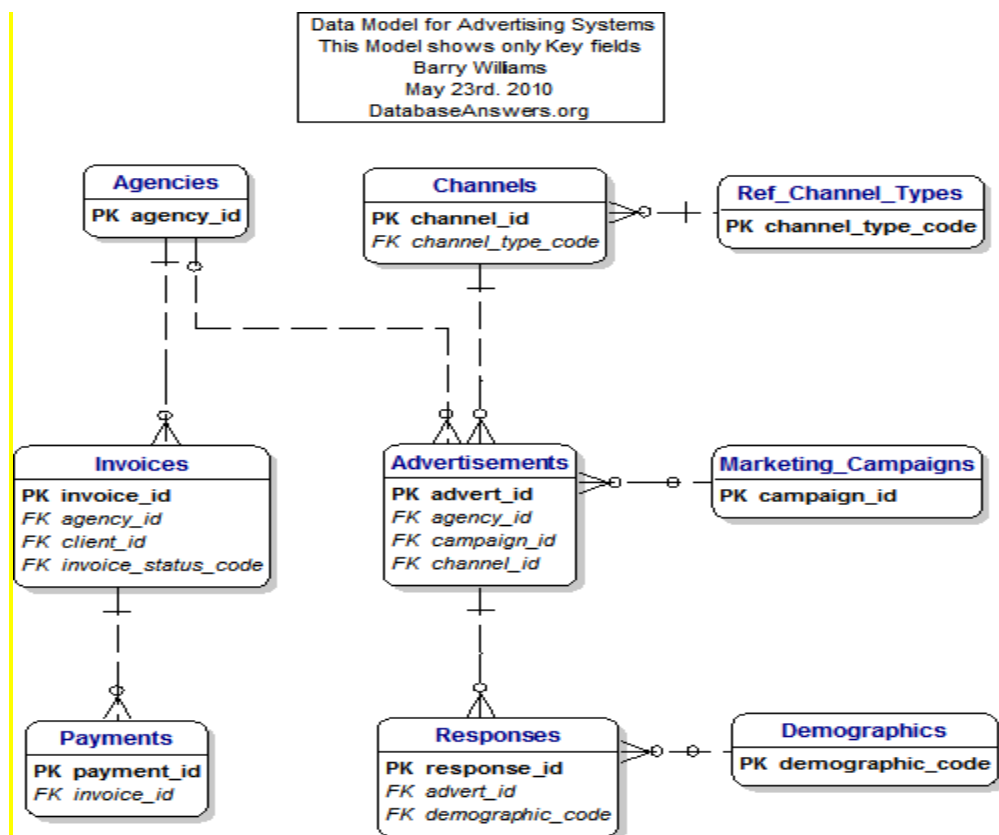
Lab Discussion: Theoretical concepts and Procedural steps

Lab Tasks

Submission Date:

1. Draw M/ERDs for the following scenarios represented by ERDs and business rules to ease your task.

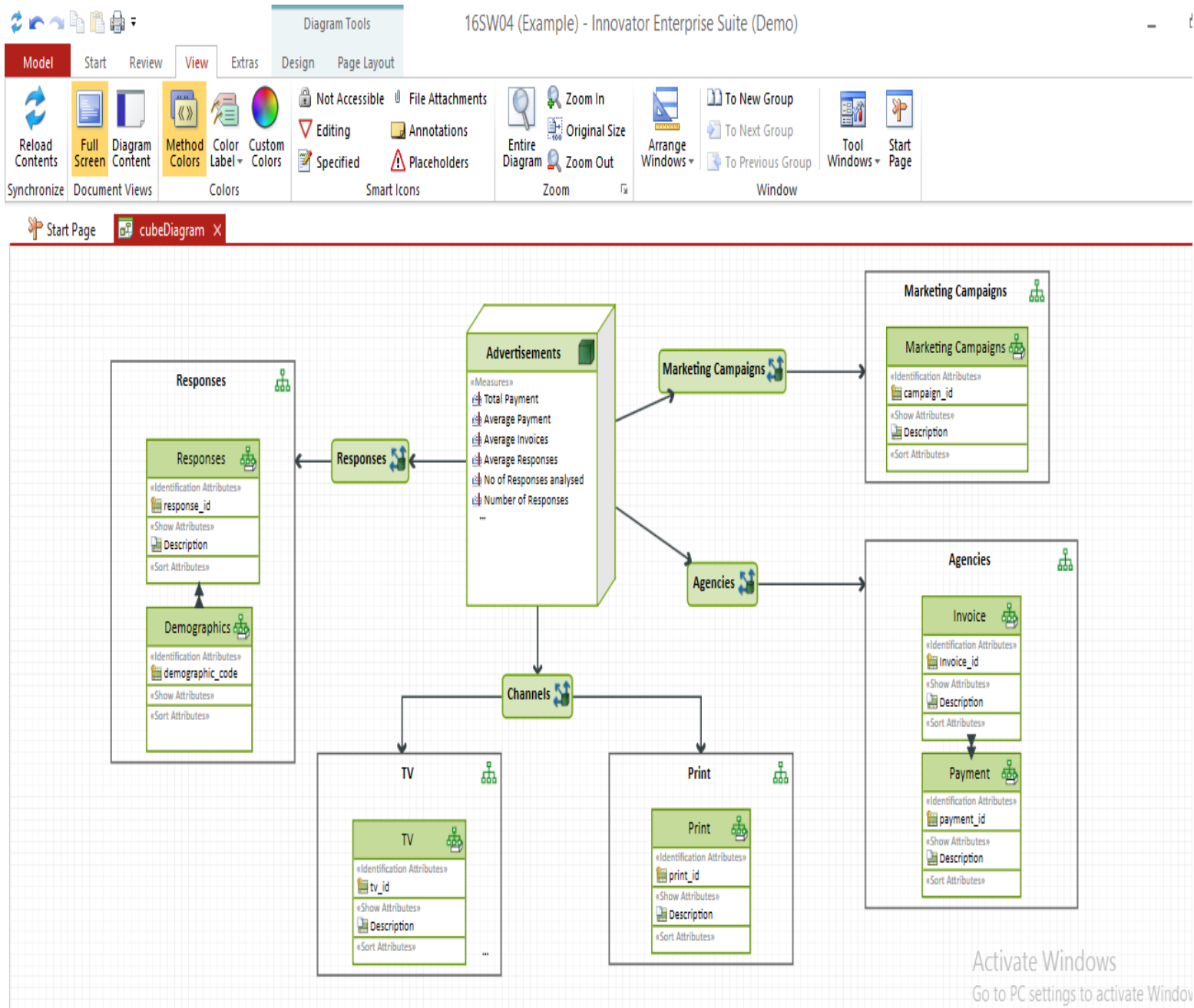
a. Scenario 1: Advertising



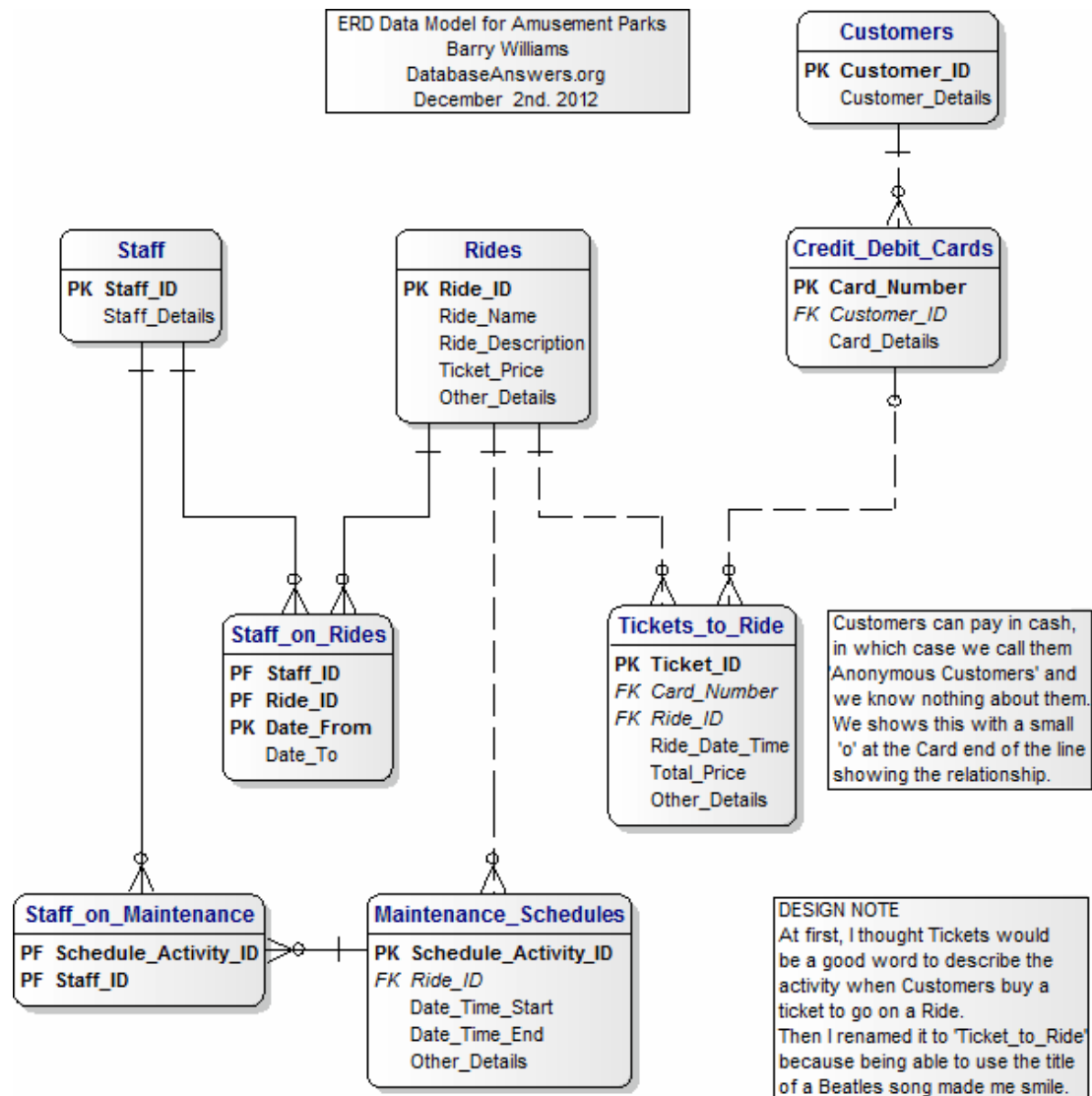
Business Rules

1. Advertisements are placed by Agencies.
2. Advertisements are placed by Channels, such as TV or Print.

3. Advertisements can be part of a Marketing Campaign.
4. Invoices are produced and result in Payments.
5. Advertisements result in Responses.
6. Responses can be analysed by Demographics.



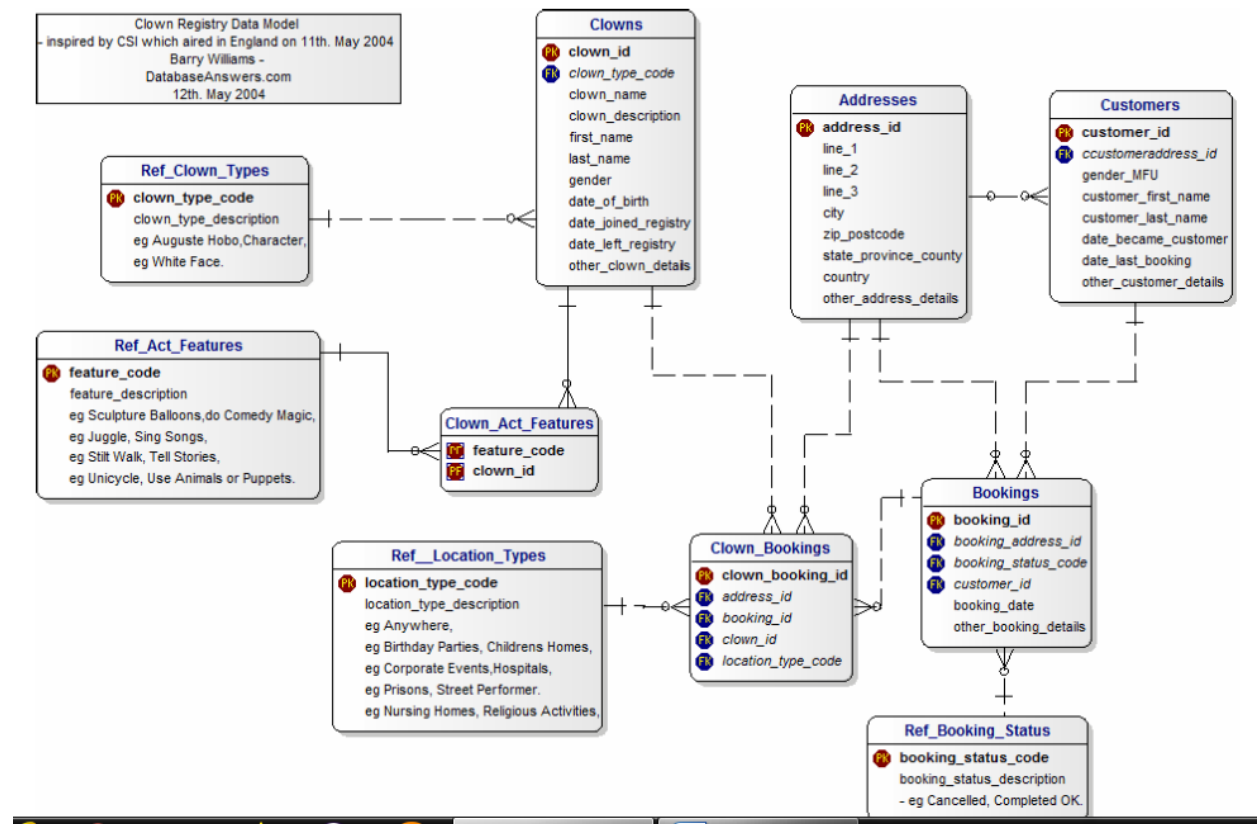
b. Scenario 2: Amusement Parks



Business Rules

1. Rides are available.
2. Customers use Credit or Debit Cards to buy Tickets to Ride.
3. Staff operate the Rides.
4. Staff also work on Maintenance Schedules for the Rides.

c. Scenario 3: Clown registry



Business Rules

1. People registered as Clowns are stored in the Clowns Table.
2. A Clown can have Acts with specific Features.
3. Clowns accept Bookings to perform at specific Locations for specific Customers.

Model Start Review View Extras Design Page Layout

Diagram Create Diagram Contents Model Elements Display Arrange Edit

Edit Mode Read-Only Mode Feature Comment Refactor Colorize Relationships Comments Callouts Switch Language Align Change Size Optimize Size Standard Layout Specification Text Delete from Model

Start Page cubeDiagram cubeDiagram_32 cubeDiagram_33

