

Student Number

Student Name

Date

CS5483 Tutorial Question 4

You are to design a data warehouse to track the sales of salad dressing products in supermarkets at weekly intervals over a four-year period and it is a typical consumer-goods marketing database. The salad dressing product category contains 14000 items at the universal product code (UPC) level. Data are summarized for each of 120 geographic areas (markets) in the United States, and are also summarized for each of 208 weekly time periods spanning over four years. The followings are the tables:

Product Table (Product_id, Prod_Desc, Brand, Manufacturer, Pack, Class, Flavor, Size)

Sales Table (Period_id, Product_id, Market_id, Units, Dollars, Discount, Selling_Price, Large_Ads, Medium_Ads, Small_Ads)

Period Table (Period_id, Period_Desc, Quarter, Fiscal_Year, Calendar_Year, Agg_Level)

Market Table (Market_id, Market_Desc, District, Region)

Show a simple star schema design for the application.

Model answer for tutorial question 4

A simple star schema for the application is:

