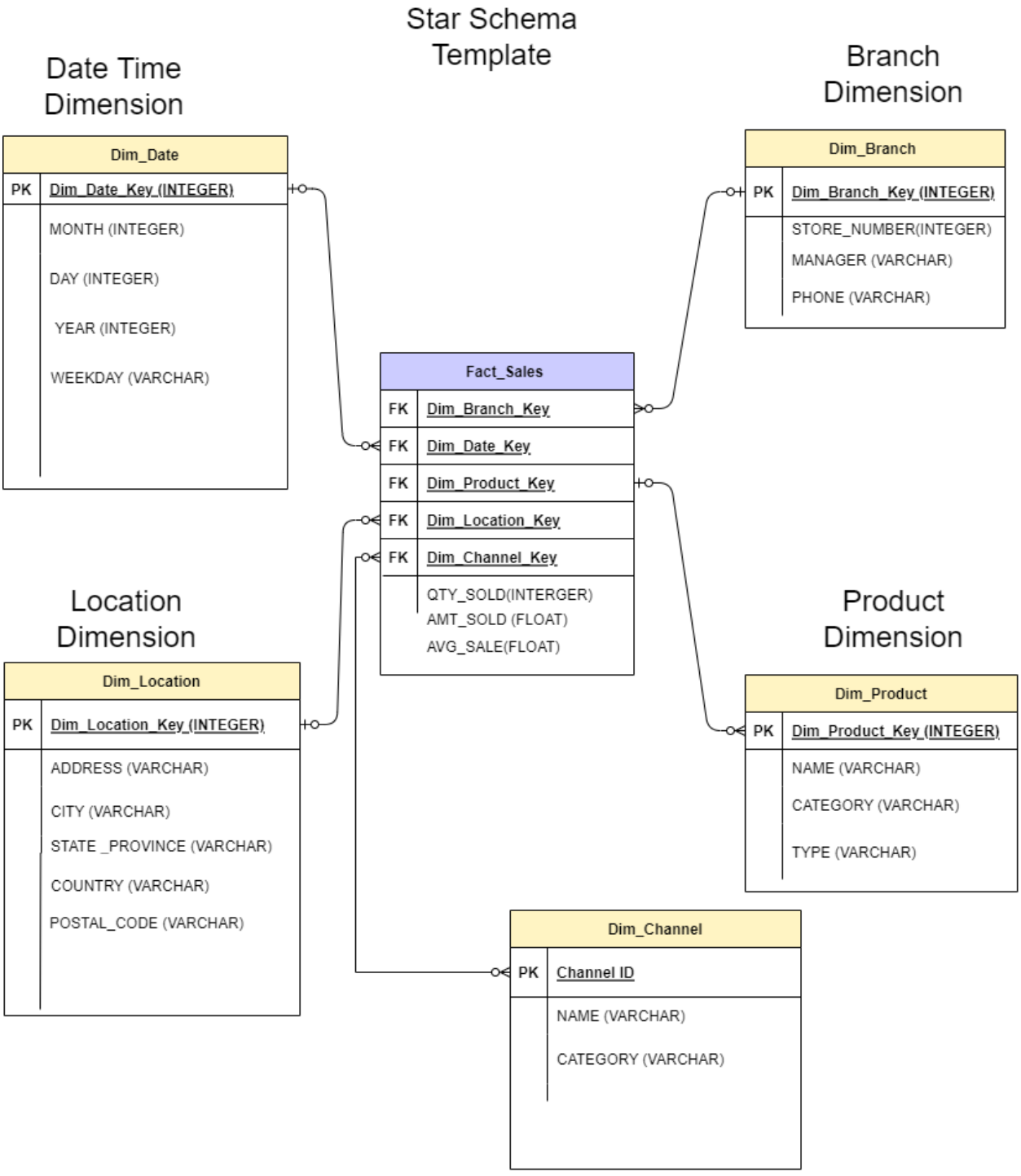
Anushi Seth

Assignment 4.15



Dimension Table: Date

The date dimension table represents a single day. In terms of sale, we will be able to capture a single day of sales in our dimensional model. I have stored day (i.e. 1 to 31), month (1 -12), year (2021, 2022 etc.) in the model along with weekday (Monday, Tuesday etc.). This will allow us to analyze our sales on any aggregations we want. If we want to find the target sales for each store in 2022, we can aggregate on the year.

Dimension Table: Branch

The branch dimension table represents each branch. I have recorded the manager, phone number and branch number to identify each branch. I have stored location as a separate dimension. We will be able to aggregate and analyze the sales for each branch based on this dimension.

Dimension Table: Location

The location dimension table represents store's location. I have recorded the address, city, state, postal code etc. as different fields. Each row represents a location of store. We will be able to aggregate and analyze the sales for each city, state or even country based on this dimension.

Dimension Table: Product

The product dimension table represents each product. I have recorded the product name, type, and category to identify each product. We will be able to aggregate and analyze the sales for each product based on this dimension.

Dimension Table: Channel

The channel dimension table represents the medium of sales. I have recorded the channel of sales i.e. whether the product was sold online or in store etc.. This way we will be able to analyze the sales of product based on the channel of sales.

Fact Table: Sales

The sales fact table represents sales for each product in a single day in different stores based on their channel of sales. The quantity sold is the total quantity of product and amount sold is the total revenue from that product. The average sale is the profit from that product for the day.