TASK 5
DATA WAREHOUSE(A)

PROG8650 – SECTION #4

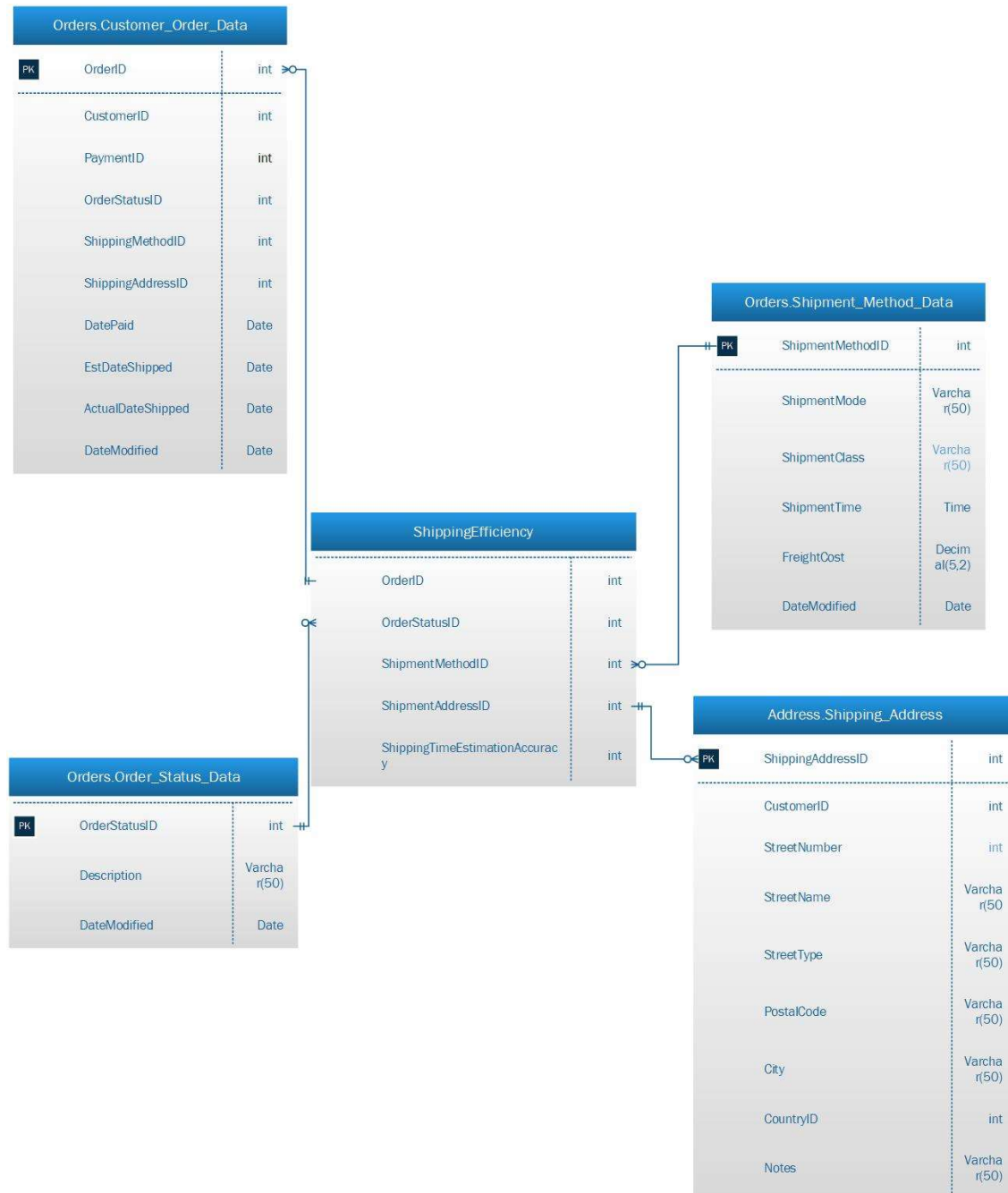STUDENT NAME: SOHAM DHIRENBHAI MUNJAPARA

DATE: 04/14/2023

Conestoga College – Program 1372

Mail 1

Hello Matt,

Here is the VISIO star schema that you wanted for fact table and dimension table.

Mail 2

Hello Matt I have urgently made table scripts for you.

I have attached the Script in .SQL format.

Mail 2

Mail 3

Hello Matt

It is optional to enforce referential integrity if one is following the best practices of star schema design with all the surrogate keys. Referential integrity is not significant focus of the FACT table within the data collected based on the schema. The FACT table works as the bridge between dimension tables.

Enforcing update and delete within key constraints of the FACT table can lead to the following problems.

- If referential integrity is enforced on the FACT table and then a row is updated or deleted, the corresponding records in the dimension tables must be updated or deleted too.
- It lead to performance issues, as it is time consuming to update and delete.
- Enforcing referential integrity can lead to complexity to the data design making it more difficult to maintain
- It is difficult for the DBA to always update and delete if the data is in huge numbers.

Mail 4

I have attached the scripts in .SQL files

Mail 4