Paul Murnane C21359216

Group: Cust857B Custom Computers

Logical model:

A diagram of a network

Description automatically generated

Relational model:

A diagram of a computer

Description automatically generated

Tables:

Cust\_buyer – Stores data on each customer with emails and names

Cust\_order – stores data on what PC a customer orders, you can be a customer without ordering a PC, so if you haven’t ordered it yet you can still be on the customer table

Cust\_pc – The names and prices of the Custom Pc’s e.g. ‘Gaming Beast’ for 2000

Cust\_customPC – allows customers to choose specific components to be ordered instead of buying the prebuilt gaming Pc’s

Cust\_specs – The specific components used in each custom PC

Cust\_components – the list of all components and their associated stock level

Cust\_supplycomponents – the component id, who supplied it and when

Cust\_supplierdetails – all the information about the suppliers to the custom pc company

The role I chose for this project was the supplier acquisition role, where I can access the supplierdetails, supplycomponents and components tables as seen above. As my role I can add in new suppliers and the components that they supply to our business.

Priveleges:

Insert, select -> cust\_supplierdetails (If adding in a new supplier to the business)

Insert, select -> cust\_supplycomponents (To take inventory of who supplied stock and when)

Insert, select -> cust\_components (If new stock comes in, be able to add it to the component table)

Execute -> addsupplierdetails function (To add in a new supplier quickly and easily)

Update, insert, select -> supplier\_log table (To allow the trigger to run properly for logging the input of suppliers)

To create the transaction/function of adding supplierdetails my thought process was to get in all the parameters we need, and to check if the phone numbers for each added supplier are different to eachother, otherwise they cant be added to the table. The trigger checks for inserts on the supplierdetails table and logs who did it and when into the supplier\_log table.