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Logical model:

A diagram of a customer relationship

Description automatically generated

Relational model: A diagram of a data flow

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)