



userTb

This table is for the program to create a userID which will store information however in order to comply with the DPA 2018, not too much or excessive. The email is for future emails for promotion and the password will be hashed.

productsTb

This table is for dynamic products, the idea is when there is a product in there it will update the web application with it dynamically and once something is bought the product will leave the page in a secure way.

ordersTb

This table is a key part of the site, here will have an orderID for tracking orders and will connect the other 2 tables. I also added the shipping address in this table instead of the users table so users can buy gifts etc. I then also added a status so i can track if an order has been cancelled or complete or failed etc.

One drawback to this design is the fact one order can only be one product I could fix this by adding another table however the current functionality works and will be used in this demo example.

This ERD was made on Lucid Chart