**eBay:**

Much like Amazon, you have buyers and sellers, both of which will have separate table within the database. Unlike Amazon though, it’s more aimed at individual sellers; selling odd house hold items.

After finding the item you would like to purchase, you have to select quantity, and maybe colour/size if applicable. Once added to your basket, it would UPDATE the basket table in the database with the item id and quantity/size/colour.

You also have the option to instantly buy it without adding it to the basket, saving the customer time as everyone loves to be able to buy what they want in the shortest time possible; a huge USP.

Another USP of amazon is that you can have auctions; potentially allowing people to get items they are interested in for cheaper.

For this to be possible, you’re going to need two extra tables, Auction and TIme.

After pressing the buy now button, you’re presented with a login screen, where you can signup if you don’t have an account with eBay.

Here you have to enter you information into six different fields.

**[Email]**

**[Email Confirmation]**

**[Password]**

**[First name] [Surname]**

**[Mobile Number]**

These would be INSERTed into the users table with a check to see if the email is already in use; making the email a unique identifier.

After logging in you have to fill out your payment details and postage address.

I am assuming most of the queries will be very similar to that of Amazons as the main use case of the two sites are practically the same.

List of Entities with attributes:

**item** = { *item\_id [PK], seller\_id [FK], item\_name, item\_description, item\_category, stock\_quantity, item\_quality, buynow\_price, bidding\_startprice* }

**customer** = { customer\_id *[PK], customer\_name, customer\_lastname, birthday, postal\_code, country, city, street\_name, house\_number, email\_address, password\_hash, payment\_type* }

**seller** = { *seller\_id [PK], seller\_name, seller\_lastname, birthday, postal\_code, country, city, street\_name, house\_number, email\_address, password\_hash, payment\_type, seller\_rating* }

**seller reviews** = { *review\_id [PK], seller\_id [FK], customer\_id [FK], review\_date, review\_rating, review\_comment* }

**order** = { *order\_id [PK], customer\_id [FK], total\_cost* }

**orderitems** = { *order\_id [FK], item\_id [FK], item\_quantity* }

**auction** = { *seller\_id [FK], buyer\_id [FK], item\_id [FK], time\_id [FK], auction\_start\_date, auction\_end\_date, selling\_price* }

**time** = { *time\_id [PK], seconds, minutes, hours, day, week, month, year* }