ASSUMPTIONS

GROUP: A03_048

1. Each authority manages one or many streets; each street can belong to only one authority.
2. Each street has zero or many properties (because some streets may not have properties on them); each property belongs to only one street.
3. Each property can be owned by one or many owners; it is assumed that each owner can also own one or many properties hence to explicitly identify which property belongs to which owner (and vice versa) - a composite (bridge) entity is established.
4. Each property can have one or many bins (because a property can have different types of bins) whereas each specific bin is assigned to only one property (because individual bins are not added into the system until they are assigned to a property).
5. Each bin type can be assigned to one or many bins while each specific bin is classified as only one bin type.
6. Each bin type can have many different sizes and each bin size can have many different bin types; hence, it is necessary to make both of these as keys in the BIN_TYPE entity.
7. One bin can be replaced by zero (no need replacement) or only one new bin; one new bin can replace only one other bin, or none at all (not a replacement).
8. Each bin type will have one or many supply costs (because bin type supply costs can vary with each contract); each bin type supply cost will relate to only one bin type.
9. Each local authority signs one or many contracts (because once a contract expires, they will get a new contract with a new contract number); meanwhile, each contract is signed by only one local authority.
10. Each contract sets one or multiple supply/waste collection costs (for various bin/waste types); each specific supply/waste collection cost is set in one contract (because bin supply and waste collections costs vary with each contract).
11. Each waste type can have one or many waste collection costs (collection cost varies with each type of waste to be collected and each contract); each collection cost must be assigned to only one waste type.
12. Each waste type can be assigned to one or many bin types (because a waste type can have bins of many different sizes); each bin type refers to only one waste type.