|  |  |  |  |
| --- | --- | --- | --- |
| Estate Agent | | | |
| Name | Contact | Headquarters | Website |

|  |  |
| --- | --- |
| Local Branch |  |
| Branch code | ID |

|  |  |  |  |
| --- | --- | --- | --- |
| Viewing | | | |
| Viewing ID | Date | Time | Customer comments |

|  |
| --- |
| Transaction |
| Transaction ID |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Property | | | | | | | |
| Property ID | Location | Description | Available | Type | Accommodation details | Rent/buy | Number of rooms |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Rental | | | | | |
| Property ID | Rent per month | Deposit | Commission | Tenancy starts | Tenancy ends |

|  |  |  |  |
| --- | --- | --- | --- |
| Mortgage | | | |
| Property ID | Stamp duty | Selling price | Commission |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Person | | | | |
| ID | Name | DOB | Gender | Contact |

|  |
| --- |
| Staff |
| ID |

|  |
| --- |
| Customer |
| ID |

|  |
| --- |
| Landlord |
| ID |

|  |
| --- |
| Prospective buyer/tenant |
| ID |

Notes

Address could be its own relation

Viewing could have been weak

Customer could have been one class, but needed subclasses for behaviours

Estate agent name could be shorter, but estate agents often have complex names

Contact is varchar as it is preferred contact, which could be email or phone number

Headquarters assumed to be a city name

Branch code assumed to be 3 random characters/numbers

Gender can be M, F, or non-binary

Property ID is 3-digit value

Property’s location is area of city

Number() vs Number

Person ID might need to hold more values

Tenancy start is when property is available from

Minimum age not specified; check is only for making sure not a future date

It is possible a member of staff might want to enter viewing details retroactively, so date of viewing is not constrained. Same with transaction date

Time of viewing is shown as 24 hour time

OR might not be the most beneficial as my original design does not contain any m-n relationships