

Data and Applications (HW-2)

Team members:

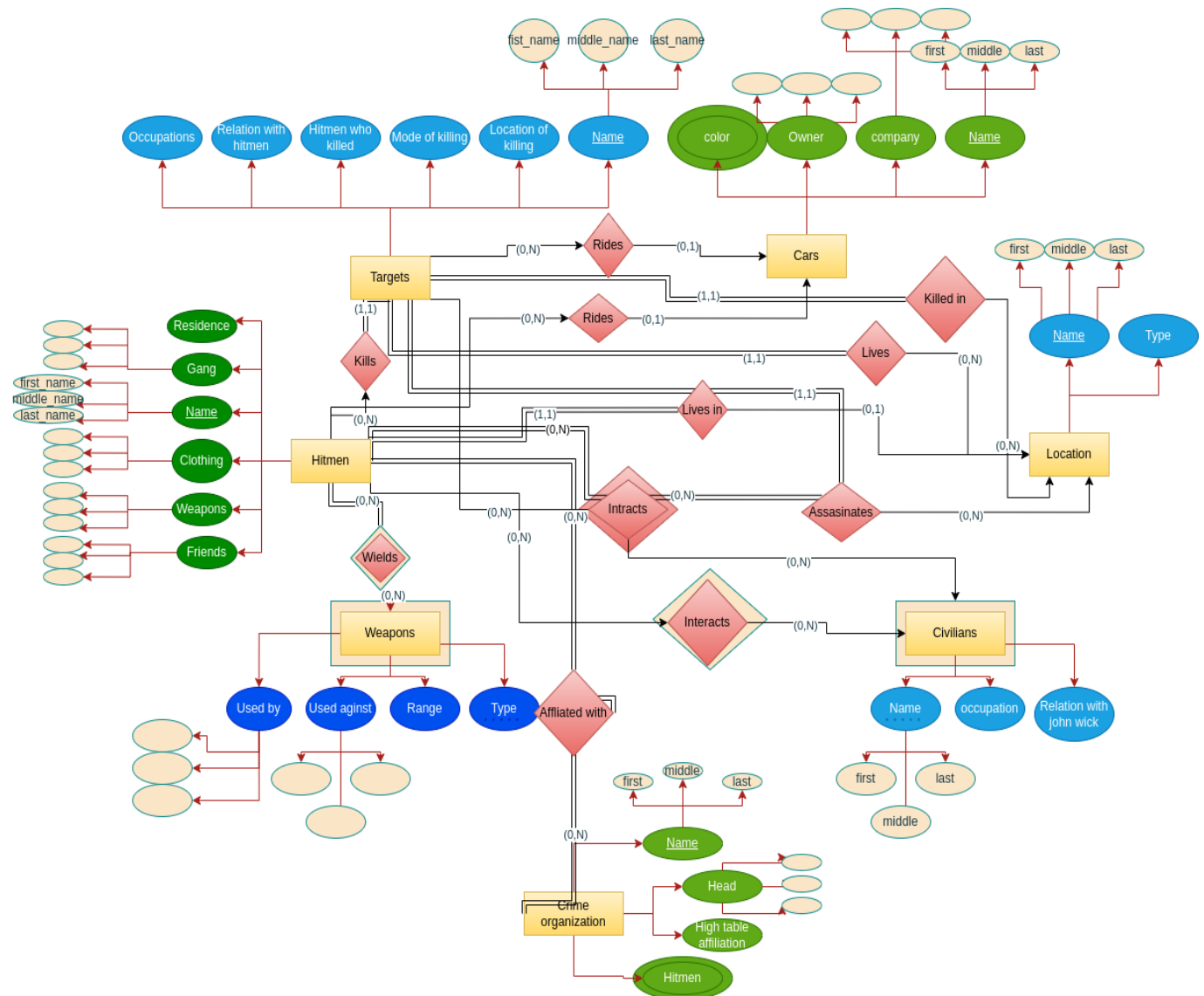
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1. ER DIAGRAM



Assumption:

In the ER diagram ARROW does not specify anything. As we were not able to find ---- kind of connector, we used ---> type of connector.

2. CRITICAL EVALUTION (ANALYSIS)

1. **Primary key** is not stated in the document.

2. **Derived attributes** are not used in the database. Derived attributes were asked to be used in the database in the previous homework.

3. For **composite attributes** the team did not state what the attribute is made up of.

For ex -: for name – the composite attributes are (first_name , last_name , middle_name) .But the team did not state that.

4. There are lots of **relations that are not useful**.

For example:

1) For hitmen: Location (where he lives) is its attribute.

But still the team made a relation hitmen LIVES IN location.

=> this relation is not required.

2) For target: “hitmen who killed “is one of its attributes.

But still the team made a relation target IS KILLED by hitmen. And many more.

5. Friends **attribute** in Hitmen is **not composite**, it is **multivalued**. Similarly for weapon, owner etc.

6. The number of **applications (uses)** of the database is **less**. It can also be used by Hitmen himself to keep **track of his enemies and friends**. It can also be used to track targets by hitmen and used to find intel about his target.