

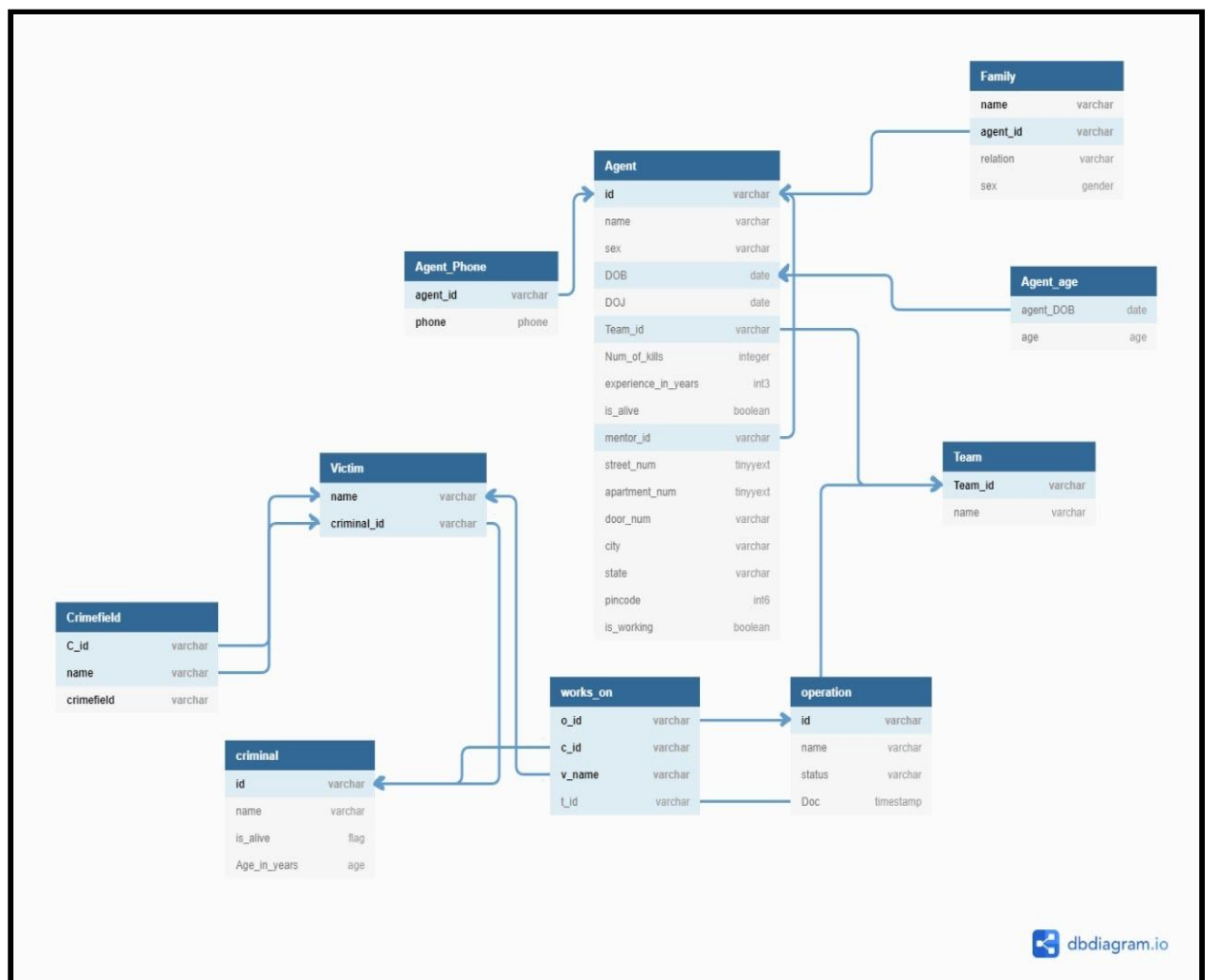
### First normal form satisfied

Our Relational data model as shown below had already satisfied First normal form as there are no multivalued attributes or any composite attributes. We used elementary attributes of all the composite attributes and used separate tables for multivalued attributes.

## Second normal form Satisfied

Every table in our data model follows 2 nd normal form as every attribute in each table is functionally dependent on the primary key. Please note that we are representing the disjoint subclass in our data model using the is\_working Boolean tag in agent .

## MODIFIED MODEL for satisfying third normal form



In the agent table, age is transitively dependent on the primary key by the attribute DOB. So to remove this transitive dependency we created a separate table for agent\_age using the DOB as the reference to the agent table.

Done by Sqaud\_7

- pavan
- harshith
- raghu