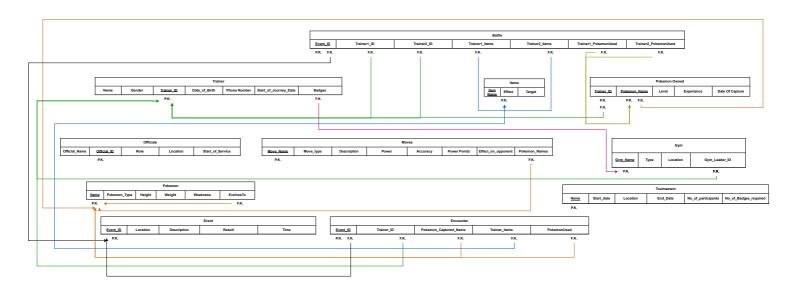
Relational Model:

We need to add additional attributes and tables to properly store and display the relationships.

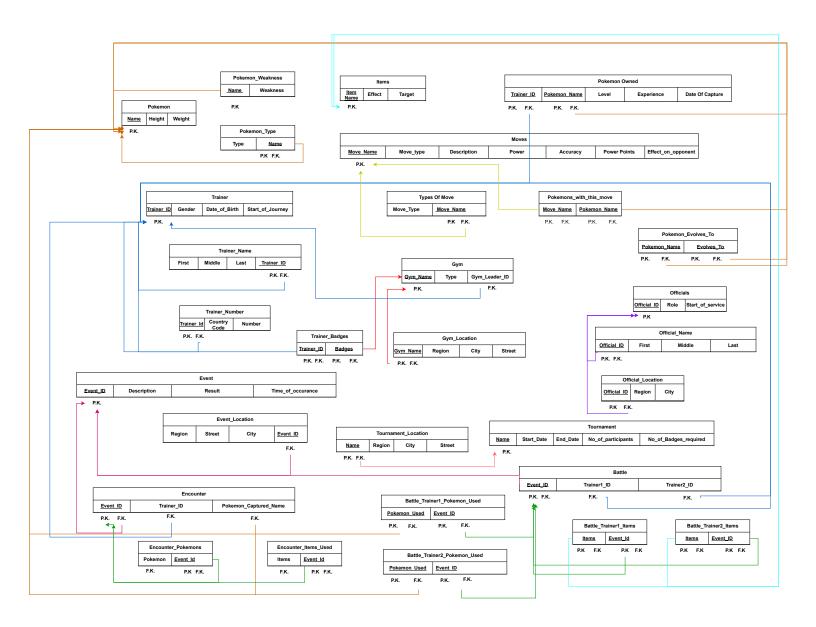
- We have added a badges attribute to Trainers to encode the HasBadges relationship, a multi-valued attribute containing the names of all gyms the trainer has badges of.
- We have added a gym leader ID attribute to the Gym table identifying the trainer
 ID of the gym leader, encoding the IsGymLeader relationship.
- We have added a Pokemon names attribute to Moves table, a multi-valued attribute identifying all the pokemons with that particular move, encoding the HasMoves relationship.
- We have added a EvolvesTo attribute to the Pokemon table, a multi-valued attribute detailing its next possible evolutions, encoding the EvolvesTo relationship.
- We have added three tables Event, Encounter and Battle, where Event is the superclass and Encounter and Battle are its subclasses. The Event Table contains its attributes as defined in the diagram.
- The Encounter Table has an Event ID attribute as a foreign key to reference the event. The rest of the attributes encode the HasEncounter relationship, with TrainerItems and PokemonUsed being multi-value. The PokemonUsed relationship is also encoded here.
- The Battle Table has an EventID attribute as a foreign key to reference the event. The rest of the attributes encode the HasBattle relationship, with Traienr1_Items, Trainer2_Items, Trainer1_PokemonUsed and Trainer2_pokemonUsed being multi-valued. The PokemonUsed relationship is also encoded here.
- We have added a Pokemon Owned table, detailing all the pokemons a particular trainer has, and their level, experience and date of capture as detailed in the HasPokemon relationship with its attributes.



1st Normal Form:

We need to separate out the multi-valued and composite attributes into different tables in order to meet the requirements of 1st Normal Form.

- We broke down the name and phone number of trainers into separate tables as they are composite values. Also, we created a separate table for badges owned since it was a multi valued attribute.
- Each gym now has its location in a separate table Gym Location.
- Each official has their name and location in a separate table Official_Name and Official Location.
- Each event and tournament also has its location in a separate table Event Location and Tournament Location.
- Each pokemon now has its weaknesses and types stored in a separate tables Pokemon_Weakness and Pokemon_Type, since each pokemon can be of several types and also be weak to several types.
- Each move now has its types in a different table Types_Of_Move, since a move can be of multiple types.
- We broke down the Pokemon Names attribute of Moves into a different table Pokemons with this move.
- Event now has a separate Event Location table.
- There is now a separate table Pokemon_Evolves_To detailing the next possible evolutions of any pokemon.
- Tournament now has a separate Tournament_Location table.
- New tables have been created for items and pokemon used in each encounter in the Encounter table, Encounter Pokemons and Encounter Items Used.
- Similarly, new tables have been created for items and pokemons used by each trainer in the Encounter Table, Battle_Trainer1_Pokemon_Used, Battle_Trainer2_Pokemon_Used, Battle_Trainer1_Items and Battle_Trainer2_Items.



2nd Normal Form:

The schema formulated is also in 2nd normal form since all non-prime attributes are fully functionally dependent on the primary keys in every relation.

3rd Normal Form:

The schema is also in 3rd normal form since no non-prime attributes are transitively dependent on the primary key in every relation.