CSC 362 Design 2

Team Trojans

Table Pokemons

This table will keep track of the pokemons wit their pokemon\_id which is the primary key. It will have the pokemon name, species\_ID which is a FK to link to the specie of the pokemon. This table will also have the trainer\_id to track which trainer owns the pokemon. This table will also have the pokemon level and HP. It also has the pokemon gender in there 0 or 1 or non\_binary

Pokemon\_species table

This table will tell us which specie does the pokemon belong to, for instance is it from the line of pikachu, Charizard, Bulbasaur etc. This table has species\_ID and the name of the species\_name

Pokemon\_type

This table table is basically a validation table to check the type of the pokemon, either it is fire, water, poison etc. This table consists of just the type\_name which would be the pokemon type.

Species\_type\_linking table

This table links the pokemon and their types together since some pokemons have multiple types such as Bulbasaur grass/poison we need a linking table to establish the relationship. This table has species\_id FK and type\_name FK

Pokemon\_moves table

This table has the information on all the moves that can exist it has a move\_id PK and move\_name that tells us the name of the move. It also tells us how much damage a move can do.

Level\_ups table

This table keeps track of the pokemon and when did they level up. It has a pokemon\_ID, current\_level and date when they last leveled up

New moves table

This keeps track of the moves learn by a pokemon by relating pokemon ID, moveID and the date the move was learnt

Pokemon events table

Combines the level\_ups table and moves table and provides a complete history of the pokemon about the moves they learnt and their current level. This table has event\_id as PK, pokemon\_id FK, event type (move or level), event name (move type or current level) and then the date the event occurred.

Eggs table

The eggs table has the egg\_id as PK, father\_id which will be the id of the father pokemon, mother\_id id of the mother pokemon, egg\_delivered which will be the date, then the egg hatched date and then the specie ID to know what specie the Pokémon belongs to.

Trainers table

This table as it suggests has all the information on the trainers, it has a trainer\_id as PK, phone\_number, email and home\_address. This table consists of mainly the information about the trainers. It also has information on trainer level and badges earned.