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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above.

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia.



POKEMON HOSPITAL

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TEAM ROCKET

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All Code Used in Application

- <https://github.com/v5y8/PokemonHospital>

Script Used to Create All Tables and Data in the Database

DB_insert.sql

- https://github.com/v5y8/PokemonHospital/blob/master/DB_insert.sql

DB_setup.sql

- https://github.com/v5y8/PokemonHospital/blob/master/DB_setup.sql

What Our Project Accomplished

- We created a database that keeps track of Trainers, Pokemon, Professors, Nurses, Hospitals, and Incubators. By doing so we can find wild pokemon vs. owned pokemon. We are able to see which hospital a nurse works in and also how many pokemon are in their care. Incubators can be checked to see whether or not they are used, which nurse incubated an egg, and expected due date of egg hatching. We can also keep track of pokemon trading between professor and trainer. Our database allows for users to keep track of pokemon activity training, trading, nursing, and track wild pokemon.

Schema Changes

- No changes since Project Specification

SQL Queries

Examples of DAO Queries:

- `insert into nurse values(1,NULL);`
- `insert into hospital values('Kanto',1);`
- `Update nurse set hname= 'Kanto' where nid=1;`
- `select * from nurse;`
- `Delete from nurse where nid=1;`
- `Delete from hospital where hname='Kanto';`
- `Select iid from incubator;`
- `insert into incubator values(1,86);`
- `insert into incubation values(1,1,86);`
- `delete from incubation where pid=86;`
- `delete from incubator where pid=86;`
- `insert into healpokemon values(2,1,current_timestamp);`
- `delete from healPokemon where pid=14;`
- `select * from pokemonname where pid in (select pid from healpokemon where nid=2);`
- `select nid, count(*) from healPokemon group by nid;`

- `select iid, count(*) from incubation group by iid;`
- `select * from pokemonname where pid in (select pid from healpokemon where nid=1 and pid in (select pid from pokemonbelongs where trainer_id=3));`
- `update healpokemon set nid=4 where pid=2;`
- `select healdate from healpokemon where nid=1 and pid=2;`
- `select eddate from eggdeposit where trainer_id=1 and pid=86;`
- `insert into pokemonname values(25,'Pikachu',342,40,'greatball');`
- `delete from pokemonname where pid=1;`
- `update pokemonname set pname='seel', cp=100, hp=100, pokeball='greatball' where pid=86;`
- `insert into pokemonbelongs values(25,1);`
- `select * from pokemonName where pid in(select pid from pokemonbelongs where pid=4 and trainer_id=4);`
- `update pokemonbelongs set trainer_id=4 where pid=1;`
- `delete from pokemonbelongs where pid=1 and trainer_id=3;`
- `select * from pokemonname where pid not in(select pid from pokemonbelongs);`
- `insert into professortrades values('Oak',25,1);`
- `select professor_name from professortrades;`
- `delete from professortrades where professor_name='Oak';`
- `update professortrades set pid=90, trainer_id=1 where professor_name='Oak';`
- `select * from pokemonname where pid in (select pid from professortrades where professor_name='Oak');`
- `select * from trainer where trainer_id in (select trainer_id from professortrades where professor_name='Oak');`
- `Insert into trainer values(2, 'Misty');`
- `Select * from trainer;`
- `Delete from trainer where trainer_id=2;`
- `Update trainer set trainer_name='Dawn' where trainer_id=2;`
- `Select * from pokemonname where pid in (select pid from pokemonbelongs where trainer_id=2);`
- `insert into eggdeposit values(current_timestamp,86,1);`
- `select * from eggdeposit where trainer_id=2;`
- `delete from eggdeposit where eddate='16-11-21 14:56:59.474993'`

Queries to Populate Table:

- `Insert into trainer values(1,'Ash');`
- `Insert into trainer values(2, 'Misty');`
- `Insert into trainer values(3,'Brock');`
- `Insert into trainer values(4,'Jesse');`

- Insert into trainer values(5,'James');
- insert into pokemonname values(25,'Pikachu',342,40,'greatball');
- insert into pokemonname values(132,'Ditto',119,20,'pokeball');
- insert into pokemonname values(1,'Bulbasaur',283,29,'pokeball');
- insert into pokemonname values(4,'Charmander',300,33,'ultraball');
- insert into pokemonname values(149,'Dragonite',1248,90,'greatball');
- Insert into pokemonname values(2,'Ivysaur',122,30,'pokeball');
- Insert into pokemonname values(14,'Kakuna',100,44,'greatball');
- Insert into pokemonname values(54,'Psyduck',129,32,'ultraball');
- Insert into pokemonname values(61,'Polywhirl',340,21,'pokeball');
- Insert into pokemonname values(78,'Rapidash',350,31,'greatball');
- Insert into pokemonname values(61,'Polywhirl',340,21,'pokeball');
- insert into pokemonname values(86,'Seel',403,45,'ultraball');
- insert into pokemonname values(90,'Shellder',410,29,'pokeball');
- insert into pokemonname values(94,'Gengar',230,43,'ultraball');
- insert into pokemonname values(99,'Krabby',341,41,'greatball');
- insert into pokemonname values(120,'Staryu',301,42,'ultraball');
- insert into pokemonbelongs values (25,1);
- insert into pokemonbelongs values (132,2);
- insert into pokemonbelongs values (1,3);
- insert into pokemonbelongs values (4,4);
- insert into pokemonbelongs values (149,5);
- insert into professortrades values('Oak',25,1);
- insert into professortrades values('Willow',132,2);
- insert into professortrades values('Elm',1,3);
- insert into professortrades values('Birtch',4,4);
- insert into professortrades values('Rowan',149,5);
- insert into nurse values(1,NULL);
- insert into nurse values(2,NULL);
- insert into nurse values(3,NULL);
- insert into nurse values(4,NULL);
- insert into nurse values(5,NULL);
- insert into hospital values('Kanto',1);

- insert into hospital values('Johto',2);
- insert into hospital values('Hoenn',3);
- insert into hospital values('Sinnoh',4);
- insert into hospital values('Unova',5);
- Update nurse set hname= 'Kanto' where nid=1;
- Update nurse set hname= 'Johto' where nid=2;
- Update nurse set hname= 'Hoenn' where nid=3;
- Update nurse set hname= 'Sinnoh' where nid=4;
- Update nurse set hname= 'Unova' where nid=5;
- insert into healpokemon values(2,1,current_timestamp);
- insert into healpokemon values(14,2,current_timestamp);
- insert into healpokemon values(54,3,current_timestamp);
- insert into healpokemon values(61,4,current_timestamp);
- insert into healpokemon values(78,5,current_timestamp);
- insert into incubator values(1,86);
- insert into incubator values(2,90);
- insert into incubator values(3,94);
- insert into incubator values(4,99);
- insert into incubator values(5,120);
- insert into incubation values(1,1,86);
- insert into incubation values(2,2,90);
- insert into incubation values(3,3,94);
- insert into incubation values(4,4,99);
- insert into incubation values(5,5,120);
- insert into eggdeposit values(current_timestamp,86,1);
- insert into eggdeposit values(current_timestamp,90,2);
- insert into eggdeposit values(current_timestamp,94,3);
- insert into eggdeposit values(current_timestamp,99,4);
- insert into eggdeposit values(current_timestamp,120,5);
- Select * from pokemonName where pid not in(select pid from pokemonBelongs where trainer_id not in (select trainer_id from trainer));
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