Database setup:

- docker run -d --rm --name postgresdb -e POSTGRES_USER=postgres -e POSTGRES_PASSWORD=postgres -p 5432:5432 -v pgdata:/var/lib/postgresql/data postgres

- docker exec -it postgresdb bash
- psql -U postgres

Create monster_cards Database:

- create database monster_cards;
- \c monster_cards;

Create a stored procedure for data manipulation:

- CREATE OR REPLACE PROCEDURE delete_all_data()

  LANGUAGE plpgsql

  AS $$

  BEGIN

  DELETE FROM users;

  DELETE FROM cards;

  DELETE FROM sessions;

  DELETE FROM stack;

  END;

  $$;

- CALL delete_all_data();

Create a user “Server” for database access from the Server:

- CREATE USER server WITH PASSWORD 'password';
- GRANT USAGE, SELECT ON ALL SEQUENCES IN SCHEMA public TO server;

Create tables:

- drop table if exists sessions;
- create table if not exists sessions(

  username varchar(50) primary key,

  session_pass varchar(50),

  is_active bool

);

- GRANT USAGE, SELECT ON ALL SEQUENCES IN SCHEMA public TO server;
- GRANT ALL ON sessions TO server;

- drop table if exists users;
- create table if not exists users(

  id SERIAL ,

  username VARCHAR(50) PRIMARY KEY,

  password VARCHAR(50),

  stack_id int,

  coins int,

  stat int,

  bio VARCHAR(50),

  name VARCHAR(50),

  image VARCHAR(50)

  );
- GRANT USAGE, SELECT ON ALL SEQUENCES IN SCHEMA public TO server;
- GRANT ALL ON users TO server;

- drop table if exists cards;

- create table if not exists cards(
  id varchar(50) primary key,
  Name varchar(50),
  damage int,
  owner varchar(50),
  in_deck bool,
  packet_number int
  );

- GRANT ALL ON cards TO server;
- GRANT USAGE, SELECT ON ALL SEQUENCES IN SCHEMA public TO server;

- create table if not exists stack(
  user_id int,

  card_type varchar(10),

  card_name varchar(20),

damage int

);

- GRANT ALL ON stack TO server;