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CSC6302

Project Two: SQL

1.) I have added a new series, as well as 3 new games from that series at the bottom of the database.
2.) Queries have been entered at the bottom of the database as well, but results will be shown below:
    a. For GameCube: Sonic Adventure 2 Battle, Sonic Heroes, Naruto: Clash of Ninja, and Naruto: Clash of Ninja 2 (last two are ones I added)
    b. I updated the number of players for the 3 games I added to the database, as well as one of the Spyro games which had a null value. I had to turn safe updates off for this. I can tell it works from searching the values up and making sure they updated to what I wanted.
    c. Games on Systems released before 2000: Yoshi, Yoshi's Cookie, Yoshi's Safari, Yoshi's Island, Yoshi's Story, Poochy and Yoshi's Wooly World, Sonic the Hedgehog, Sonic the Hedgehog 2, Sonic the Hedgehog 3, Sonic Adventures, Sonic Adventure 2 Battle, Spyro the Dragon
    d. Games released between 01/01/1995 and 01/01/2018 in format of GameName, ConsoleName, Series: Table is too large for me to type out, but I verified it was correct and the query is in the database.
    e. I saw that there was a count of 10 games released on all the Playstation consoles.
    f. I saw that there was a count of 46 games released that were not on Playstation consoles. I double checked by looking at the total count of games, then subtracting the 10 on Playstation which got me the same number. There are too many names to put them all in here.
3.) Updating the VideoGame database:
    a. I first altered the Game table by deleting the constraint. After this, I altered the Game table again to add the constraint with the new restriction (allowing games before November 2023).
    b. After this I was able to add NBA2K24 which came out in September 2023.
4.) Now using the MealPlanning database:
    a. Chicken Stew uses 5 ingredients, Fajitas uses 6 ingredients, Stuffing uses 6 ingredients, and Stir Fry uses 7 ingredients. I sorted them as instructed using order by, and I also made sure the number of ingredients was right for each.
    b. The only recipe that does not use some sort of pepper is Stuffing. I did this with a nested subquery/set comparison. I also made it so it tells the name of the recipe and the cookbook.
5.) To account for allergies, the first thing I will do is create a new table that is for food allergies. This will include an Id for the allergy, and the name of the allergy (making the id the primary key since it's unique – also allergy name could be same as ingredient

name). I will also alter the Ingredients, Recipe, and Meal tables to include a new column for the allergy id. They will get a new foreign key to reference the allergies table. This way you can clearly see if any food will include an allergy.