

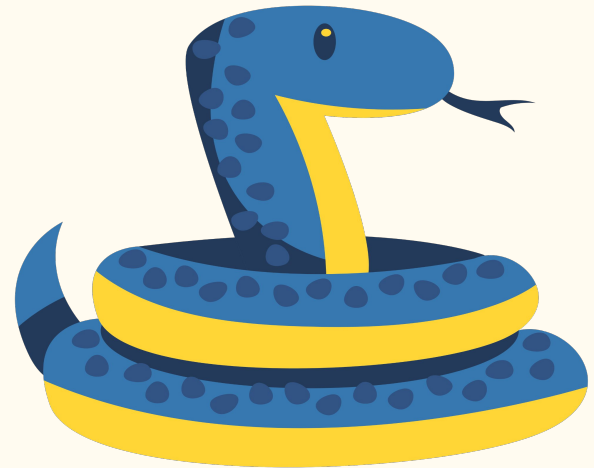
# Games of 2022

Cse 111 Database System-Fall 2022  
Stephen Garcia & Andrew Lara-Kane



# System description

- This system helps find and look into games of 2022 and all the background info on games
- Users will be able to use the system to help find the games prices, creators, and important information about the games of this year to help with any buying decisions
- Tables were manually inputted from info found online through wiki and official publications
- DATABASE  
Sqlite , visual studio code, python, console



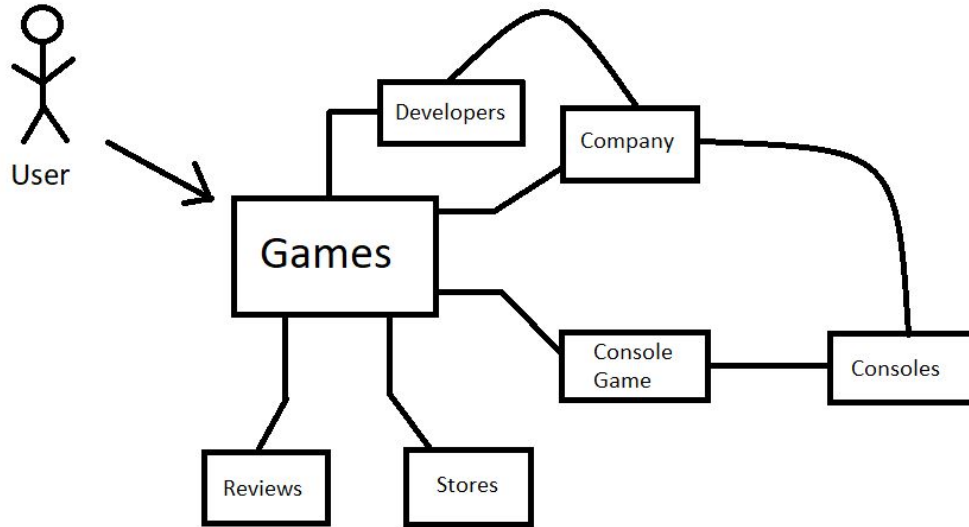
# Main Use Case: Plain Text

Our use case is that a user can access a database of all the video games released in 2022. These are games that start from January 1st all the way to planned future releases in late December.

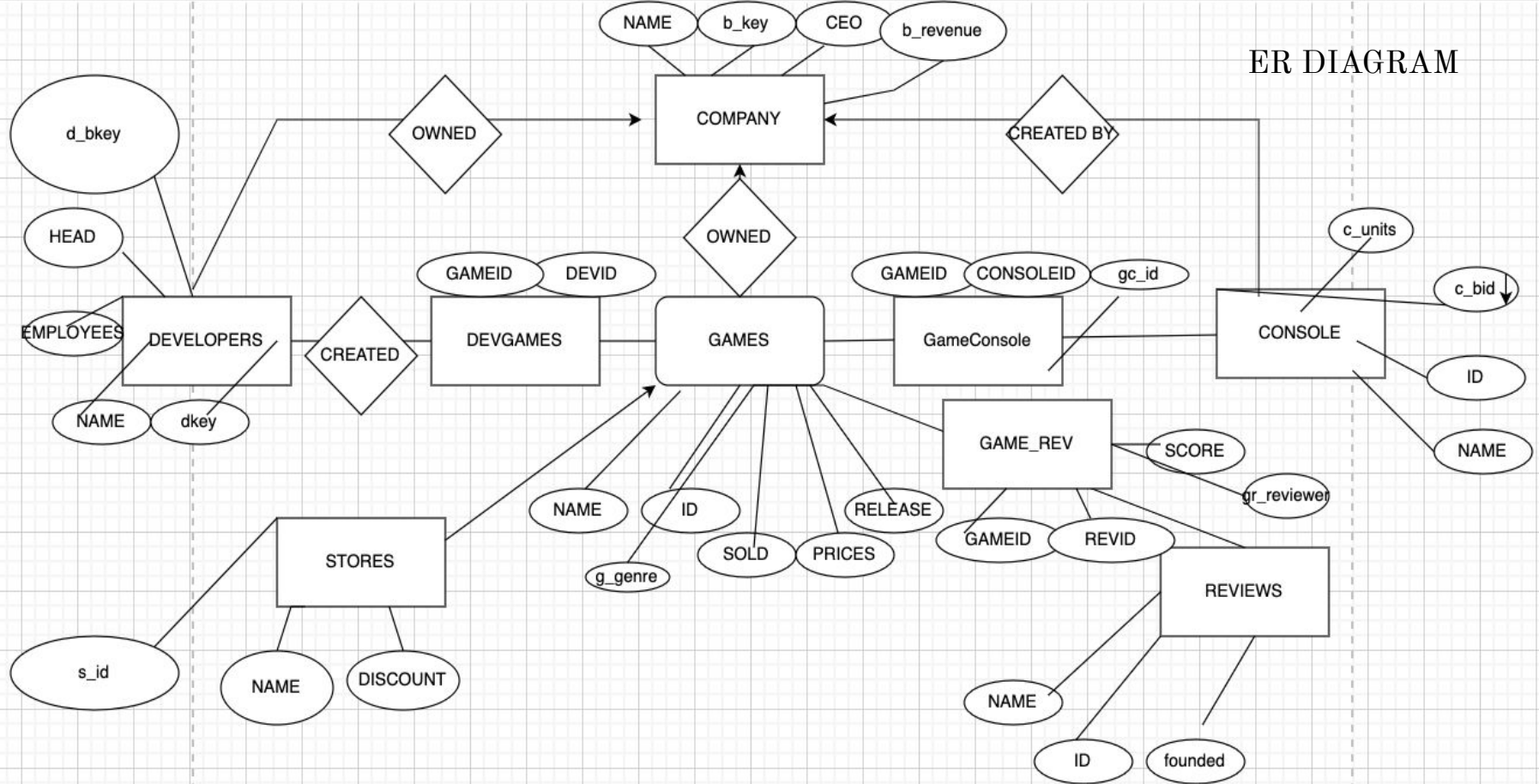
Within the database there are 6 entities: Games, Developers, Company, Consoles, Stores, and Reviews. All these entities have a relationship within games, with the Company section having a many-many relationship with Developers and Consoles.



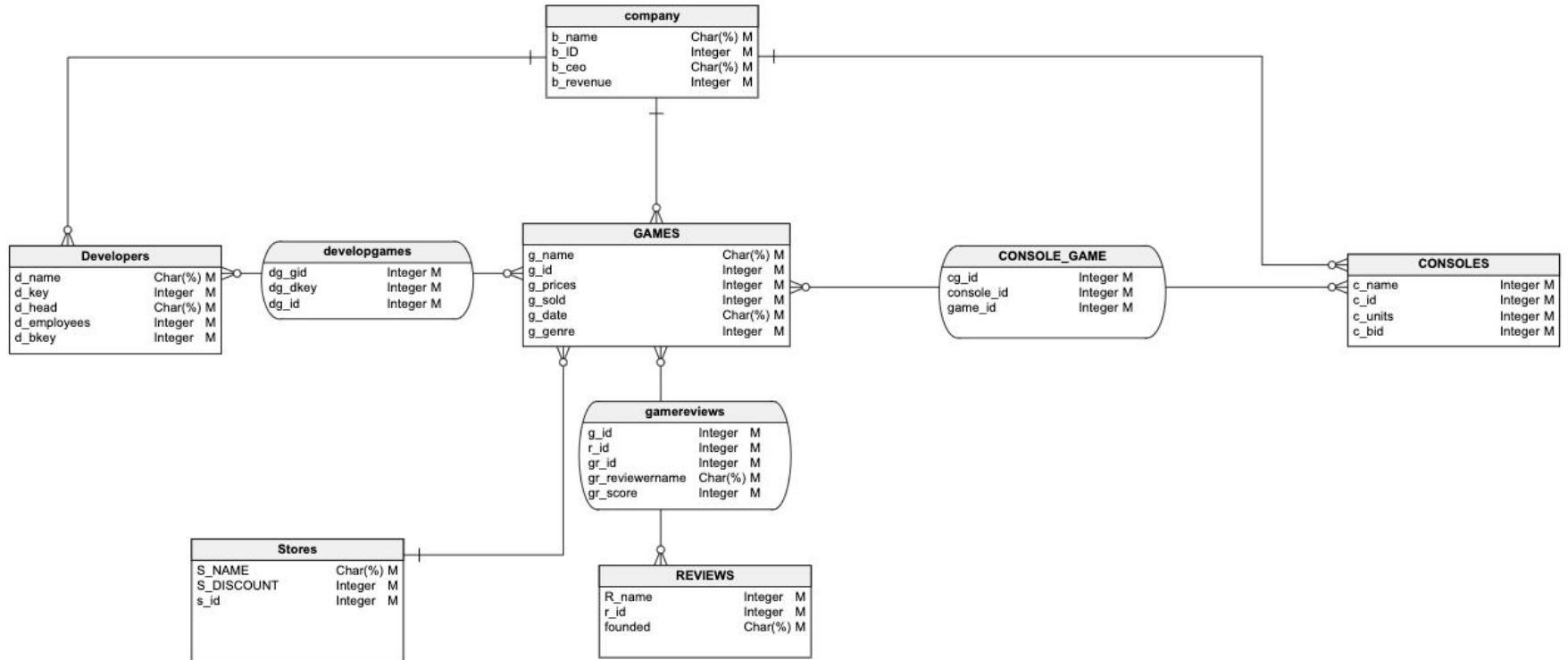
# Main Use Case: UML Diagram



# ER DIAGRAM



## schema



# Github Link and Demo

<https://github.com/MetalSonic2/video-games-of-2022>





## Future plans

- Buying Games
- Warehouse stock

test.py > main

```
32 def createTables(_conn):
33     print("+++++")
34     print("Create tables")
35     try:
36         sql = """CREATE TABLE Bought (
37             b_name CHAR (20, 0) NOT NULL,
38             b_id INTEGER (20, 0) NOT NULL,
39             b_cost INTEGER (20, 0) NOT NULL,
40             b_system CHAR(20,0) NOT NULL
41         );"""
42         _conn.execute(sql)
43         _conn.commit()
44         print("success")
45     except Error as e:
46         _conn.rollback()
47         print(e)
48     print("+++++")
49 def dropTables(_conn):
50     print("+++++")
51     print("Drop tables")
52     try:
53         sql = "DROP TABLE Bought"
54         _conn.execute(sql)
55         _conn.commit()
56         print("success")
57     except Error as e:
58         _conn.rollback()
59         print(e)
60     print("+++++")
61 def populateTable_Product(_conn):
62     print("+++++")
63     print("Populate PRODUCT")
64     print("Choose id or name of game")
65     buy=input()
66     if buy=="Total":
67         cur=_conn.cursor()
68         cur.execute("""Select b_name,b_cost,b_system FROM Bought""")
69
70         rows = cur.fetchall()
71         dNames = "{: >0}| {: >20}|{: >5}\n".format("g_name", "g_id",
72         print(dNames)
73         for row in rows:
```

SQL ▾

< 1 / 1 > 1 - 3 of 3

b_name	b_id	b_cost	b_system
FIFA 23	1	60	Windows
Madden NFL	2	60	Windows
Sonic Frontiers	10	60	Windows

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Close database: Gamenew.db  
success  
+++++  
Press 0 to exit  
1)INSERT  
2)UPDATE review score  
3)DELETE  
4)SEARCH for a Game  
5)REVIEWS  
6>About Game  
7)Best offers today  
8)What system to play Games 2022



# THANK YOU

Stephen Garcia  
And  
Andrew Lara-Kane  
Games of 2022

