



# Video Game Purchase Analysis

CSE – 111 Database Systems

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# System Description

- Our project is an app to search up information for video games on different platforms.
  - Users can see what platform the game is on
  - The overall reviews on that game
  - The game sales in different regions
- Search up information on the developers as well.
  - Where they are based at
  - The notable games they have
- See the completion rate of different games.

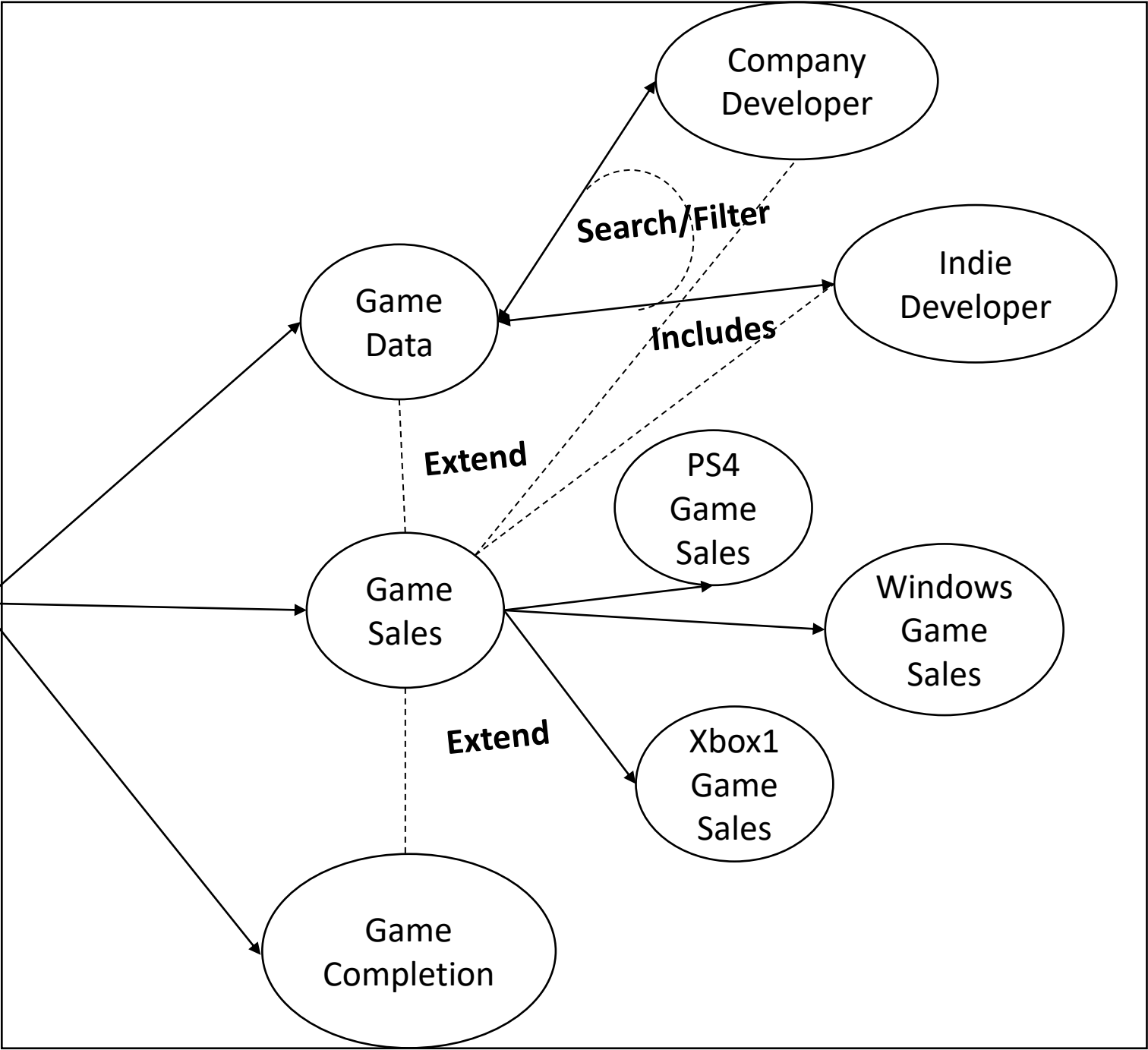


# Use-Case Diagram



User

View only

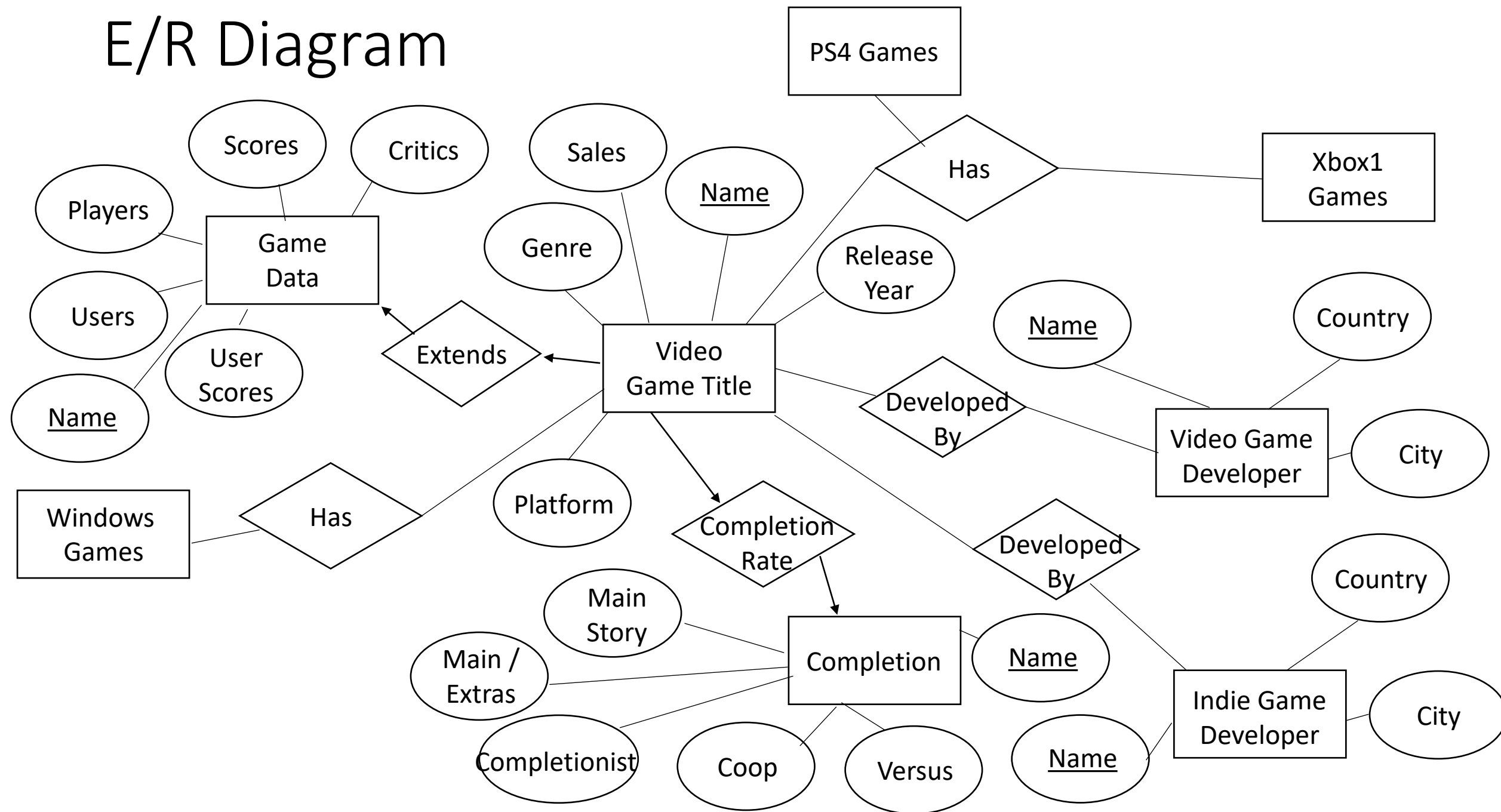


Modify Data

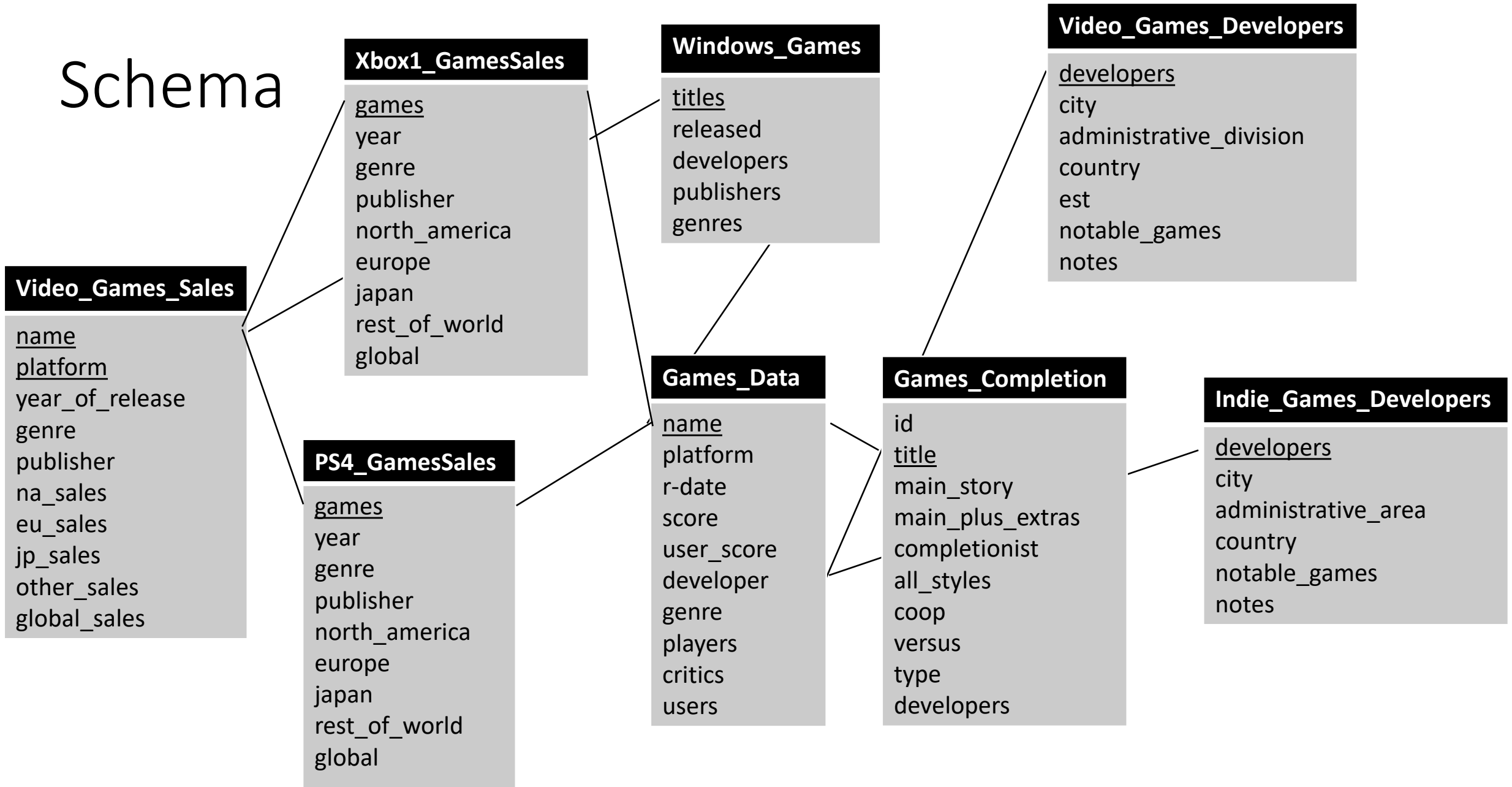


Admin

# E/R Diagram

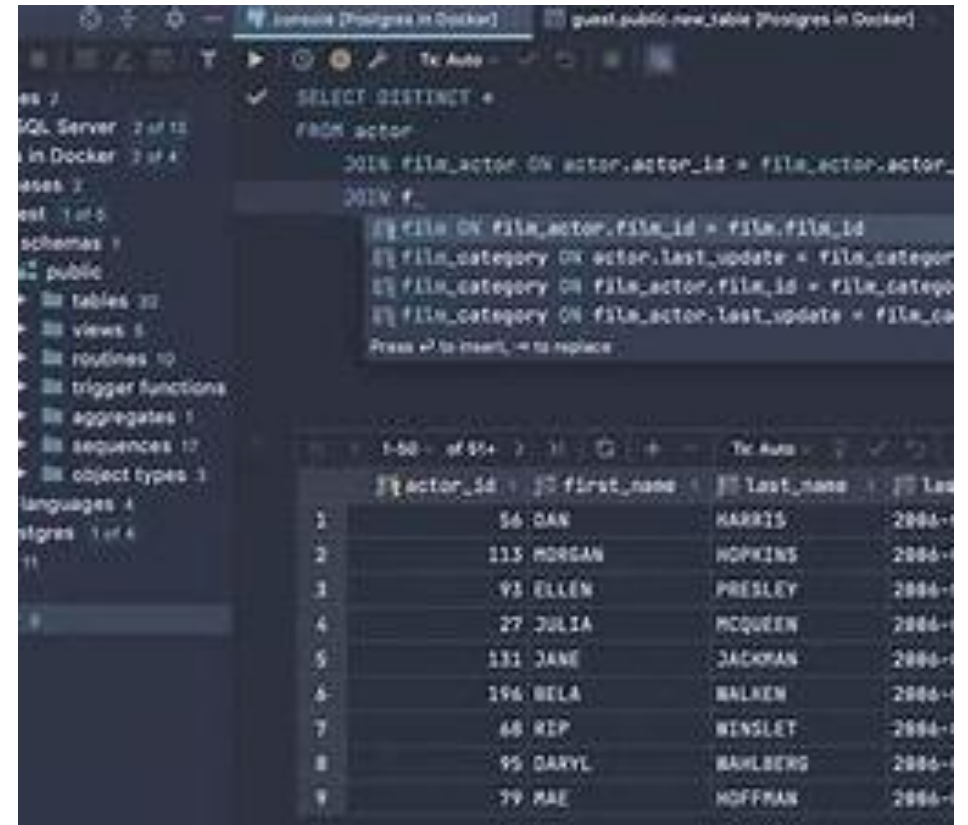


# Schema



# Implementation Details

- The IDE that we will be using is Visual Studio Code
- SQLite for our database
- The language platform will be Python using Tkinter to create a GUI



The screenshot shows the Visual Studio Code interface with a SQL query editor and a results table. The query is a SELECT DISTINCT statement filtering actors from a film table based on specific criteria. The results table displays a list of actors with their IDs, first names, last names, and birth years.

```
SELECT DISTINCT *
FROM actor
2016: file_actor ON actor.actor_id = file_actor.actor_
2016: f_
2016: file ON file_actor.file_id = file.file_id
2016: file_category ON actor.last_update = file_catego
2016: file_category ON file_actor.file_id = file_catego
2016: file_category ON file_actor.last_update = file_ca
Press F1 to insert, = to replace
```

actor_id	first_name	last_name	last
56	DAN	HARRIS	2004-
115	MORGAN	HOPKINS	2004-
93	ELLEN	PRESLEY	2004-
27	JULIA	MCCOY	2004-
131	JANE	JACKMAN	2004-
196	BELA	WALKER	2004-
48	REP	WINSLET	2004-
95	DARYL	BAHLBERG	2004-
79	MAE	HOFFMAN	2004-

# Demo of our Project

Project Code Link:

<https://github.com/MalloyDonovan/CSE111Project>