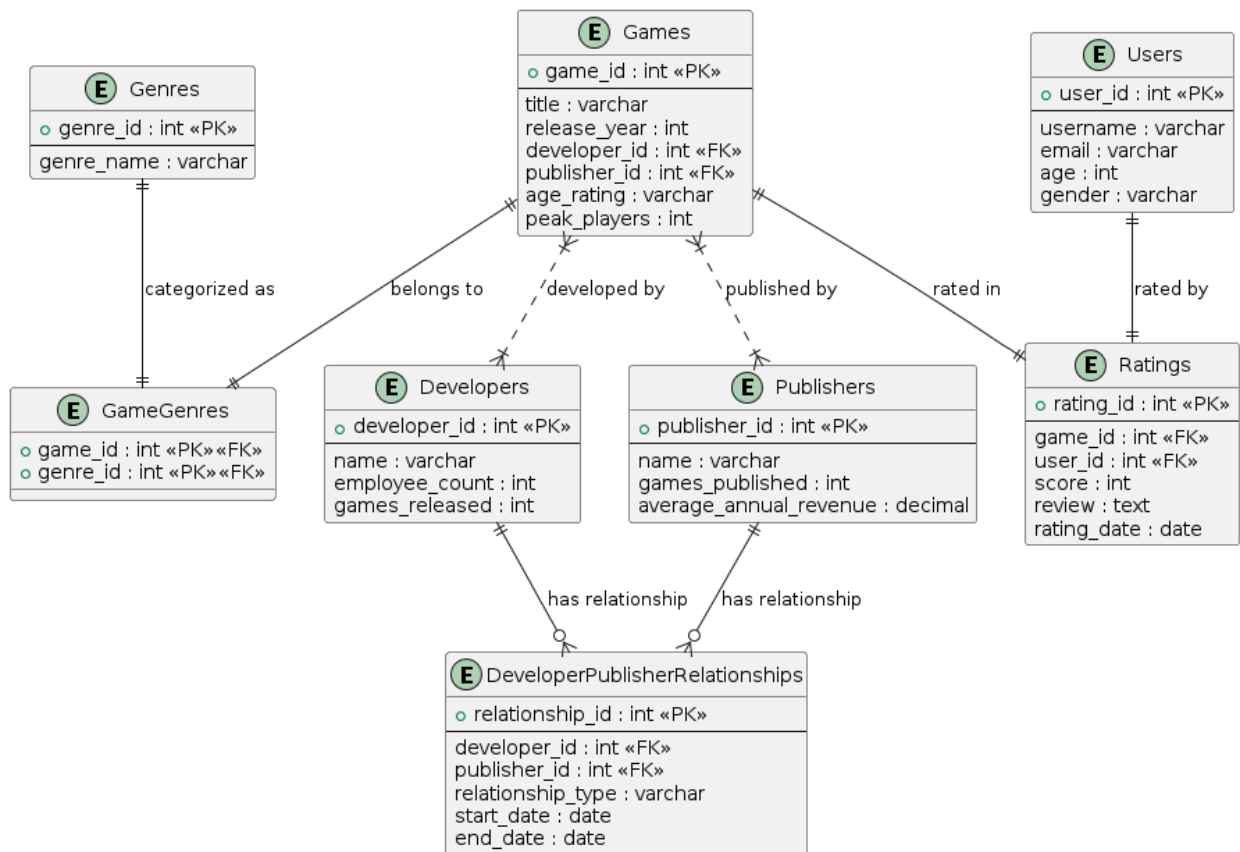


## ERD



## Задание

На защиту: некоторые разработчики работали вместе с разными издателями. Для каждого разработчика, который работал с 2+ издателями, выведите: разработчика, издателя, пиковое число игроков и число выпущенных игр.

Как я понял для каждого подходящего разработчика вывести каждого издателя, с которым он работал, количество совместно выпущенных игр и максимум пикового значения одновременных игроков среди этих игр.

## Решение:

1) Для начала добавим в базу тестовую игру, дабы хотя бы у одного разработчика было выпущено хотя бы по одной игре с разными издателями:

Query Query History

```

1  INSERT INTO Games (title, release_year, developer_id, publisher_id, age_rating, peak_players) VALUES
2  ('Test Game', 2013, 4, 1, '16+', 60000);
3  SELECT * FROM Games
4

```

Data Output Messages Notifications

	game_id [PK] integer	title character varying (100)	release_year integer	developer_id integer	publisher_id integer	age_rating character varying (10)	peak_players integer
1	1	Fortnite	2017	1	5	13+	12000000
2	2	Half-Life: Alyx	2020	2	4	17+	16000
3	3	The Witcher 3	2015	3	6	18+	103000
4	4	Assassin's Creed Odyssey	2018	4	3	17+	62000
5	5	Call of Duty: Modern Warfare	2019	7	2	18+	2000000
6	6	Call of Duty: Black Ops	2010	8	2	18+	900000
7	7	Dragon Age: Inquisition	2014	5	1	17+	4000
8	8	Crusader Kings III	2020	6	7	16+	100000
9	9	Helldivers	2015	9	8	16+	50000
10	10	Spider-Man	2018	10	8	16+	500000
11	11	Test Game	2013	4	1	16+	60000

2) Запрос:

```

WITH DeveloperPublisherCount AS (
    SELECT
        dp.developer_id,
        COUNT(DISTINCT dp.publisher_id) AS publisher_count
    FROM
        DeveloperPublisherRelationships dp
    GROUP BY
        dp.developer_id
    HAVING
        COUNT(DISTINCT dp.publisher_id) >= 2
),
DeveloperGames AS (
    SELECT
        d.name AS developer_name,
        p.name AS publisher_name,
        g.peak_players,
        COUNT(g.game_id) AS games_released
    FROM

```

```

        Developers d
    JOIN
        DeveloperPublisherRelationships dp ON d.developer_id = dp.developer_id
    JOIN
        Publishers p ON dp.publisher_id = p.publisher_id
    JOIN
        Games g ON d.developer_id = g.developer_id AND p.publisher_id =
g.publisher_id
    WHERE
        d.developer_id IN (SELECT developer_id FROM DeveloperPublisherCount)
    GROUP BY
        d.name,
        p.name,
        g.peak_players
)
SELECT
    developer_name,
    publisher_name,
    MAX(peak_players) AS max_peak_players,
    SUM(games_released) AS total_games_released
FROM
    DeveloperGames
GROUP BY
    developer_name,
    publisher_name
ORDER BY
    developer_name,
    publisher_name;

```

3) Пример работы запроса:

No limit

Query

Query History

```

27         d.developer_id IN (SELECT developer_id FROM DeveloperPublisherCount)
28     GROUP BY
29         d.name,
30         p.name,
31         g.peak_players
32 )
33 SELECT
34     developer_name,
35     publisher_name,
36     MAX(peak_players) AS max_peak_players,
37     SUM(games_released) AS total_games_released
38 FROM
39     DeveloperGames
40 GROUP BY
41     developer_name,
42     publisher_name
43 ORDER BY
44     developer_name,
45     publisher_name;
46

```

Data Output

Messages

Notifications

	developer_name character varying (100)	publisher_name character varying (100)	max_peak_players integer	total_games_released numeric
1	Ubisoft Montreal	Electronic Arts	60000	1
2	Ubisoft Montreal	Ubisoft	62000	1