

# Innovation Notes

## MoviesDB Application

Author: Hugo Camacho Romero

Student ID: G00438861

Date: 20250507

### 7: Actor Count by Country

An extra menu option was added to the Python application:

#### Menu Label:

7. View Actor Count by Country

This feature displays the total number of actors per country using a SQL GROUP BY and JOIN clause between the **Actor** and **Country** tables. It enhances the application by providing analytical insights into the actor dataset and demonstrating practical use of aggregate SQL queries.

#### SQL Used:

```
SELECT CountryName, COUNT(*) AS TotalActors
```

```
FROM Actor
```

```
JOIN Country ON ActorCountryID = CountryID
```

```
GROUP BY CountryName
```

```
ORDER BY TotalActors DESC;
```

#### Why It Adds Innovation:

- Adds an analytical dimension to the project
- Demonstrates relational joins and grouping in SQL
- Offers a user-friendly way to explore actor demographics
- Requires no additional packages or external tools