# ER Model

## Entities

Games(**Title**, release\_date, Developer, Classification, Genre)

Game\_system(sN**ame**, release\_date, Company, sStatus, owned\_copies)

Enjoyment(**Game**, Music\_score, Graphics\_score, Gameplay\_score, Story\_score, played\_times, Global\_score)

Saga(**Saga**, total\_games, **members**)

## Relationships

OwnedOn(**Title**, s**Name**)

Played(**Title**, **Played**\_**times**)

PartOf(**Saga**, **Title**)

Availability(**SystemName**, **SagaName**)

# Describe relations

MySQL localhost:3306 ssl games SQL > describe ownedon;

+-------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------+--------------+------+-----+---------+-------+

| Title | varchar(255) | NO | PRI | NULL | |

| sName | varchar(255) | NO | MUL | NULL | |

+-------+--------------+------+-----+---------+-------+

2 rows in set (0.0010 sec)

MySQL localhost:3306 ssl games SQL > describe played;

+--------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+--------------+------+-----+---------+-------+

| Title | varchar(255) | NO | PRI | NULL | |

| played\_times | int | NO | | NULL | |

+--------------+--------------+------+-----+---------+-------+

2 rows in set (0.0011 sec)

MySQL localhost:3306 ssl games SQL > describe partof;

+-------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------+--------------+------+-----+---------+-------+

| Saga | varchar(255) | NO | MUL | NULL | |

| Title | varchar(255) | NO | PRI | NULL | |

+-------+--------------+------+-----+---------+-------+

2 rows in set (0.0010 sec)

MySQL localhost:3306 ssl games SQL > describe availability;

+------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+-------+

| SystemName | varchar(255) | NO | MUL | NULL | |

| SagaName | varchar(255) | NO | PRI | NULL | |

+------------+--------------+------+-----+---------+-------+

2 rows in set (0.0010 sec)

# Content of the relations

MySQL localhost:3306 ssl games SQL > select \* from partof;

+------------+-------------------------------+

| Saga | Title |

+------------+-------------------------------+

| God of War | God of War |

| God of War | God of War (2018) |

| God of War | God of War II |

| God of War | God of War III |

| God of War | God of War: Ascension |

| God of War | God of War: Chains of Olympus |

| God of War | God of War: Ghost of Sparte |

+------------+-------------------------------+

7 rows in set (0.0006 sec)

MySQL localhost:3306 ssl games SQL > select \* from ownedon;

+-------------------------------+---------------+

| Title | sName |

+-------------------------------+---------------+

| God of War | PlayStation 2 |

| God of War II | PlayStation 2 |

| God of War III | PlayStation 3 |

| God of War: Ascension | PlayStation 3 |

| God of War: Chains of Olympus | PlayStation 3 |

| God of War: Ghost of Sparte | PlayStation 3 |

| God of War (2018) | PlayStation 4 |

+-------------------------------+---------------+

7 rows in set (0.0005 sec)

MySQL localhost:3306 ssl games SQL > select \* from availability;

+---------------+------------+

| SystemName | SagaName |

+---------------+------------+

| PlayStation 2 | God of War |

| PlayStation 3 | God of War |

| PlayStation 4 | God of War |

| PlayStation 5 | God of War |

| PlayStation 4 | Horizon |

| PlayStation 5 | Horizon |

+---------------+------------+

6 rows in set (0.0005 sec)

MySQL localhost:3306 ssl games SQL > select \* from played

-> ;

+-------------------------------+--------------+

| Title | played\_times |

+-------------------------------+--------------+

| God of War | 2 |

| God of War (2018) | 1 |

| God of War II | 5 |

| God of War III | 15 |

| God of War: Ascension | 1 |

| God of War: Chains of Olympus | 2 |

| God of War: Ghost of Sparte | 2 |

+-------------------------------+--------------+

7 rows in set (0.0006 sec)