**Project Report**

Academy Awards  
Database

# Database Systems - Further Assessment

# Introduction

This database aims to store information on oscar nominees (Actors, Directors, Crew) the films they were nominated for (Name, Year) and whether they were winners or not. With the ability to store data on multiple Academy Awards ceremonies as well as the venue and category info.

Design choices

The initial database design consisted of separate entities for Actors, Directors and Staff but due to the scope of the project being too large for the time given and not enough sample data readily available, those entities were condensed into the a single “Nominee” entity. This design choice turned out to make more sense in the long run as a someone who was previously nominated for best director may in fact be nominated for best actor in a future ceremony (or any other role for that matter).

The entity “Ceremony” was an easy decision as it allows for multiple academy awards to be indexed and queried by using oscarID, simply searching by year would not suffice as the Oscars tend to cover movies from two years.

Film was another important entity to allow queries on how many nominations a particular film received.

Category was not added until later after the first design was finalised. Originally the relation “nominated for” was going to hold the category attribute. However, it was clear I needed category to be a foreign key to restrict data to only existing categories. This also allowed for cascade deletion of entire categories and flexible queries for example if I wanted to know who the recipients of “Acting” awards in the 91st Oscars were.

# **ERD:**

table goes here

# **Entities**:

**Ceremony**

The oscars or academy awards of a particular year.

Attributes:

crmyID – The number of the ceremony since the beginning of the awards (Unique)

crmyYear – The year the ceremony was held

location – The location of the Awards in a particular year

**Ceremony**

The multiple categories someone may be nominated for.

Attributes:

categoryID – The name of the category (unique)

subtype – The nature of the category for example “Acting” or “Technical”

**Film**

Attributes:

filmName – The name of the nominated feature (Composite Key)

year – Year of production of film (Composite Key)

filmID – unique identifier for a film consists of film Name+year (Derived)

**Nominee**

Attributes:

nomID – Unique nomination identifier

fullName – Name of Nominee(s) (can be multiple)

isShared – Indicates if it’s a shared nominations

[add table here]

# **Relationships**:

**Presented at**

Ceremony - (1 : N) – Film

One Ceremony has many Film showcases

Films may only be showcased at one Ceremony

*Constraints:*

*A film must be nominated to be at the Ceremony*

*Every Ceremony nominates films*

*A film must be nominated to be at the Ceremony*

[add table here]

**Nominated for**

Nominee - (N : N) – Category

Nominees can be nominated to one ore more categories.

A single category may have multiple nominees.

*Constraints*:

*An award must have a recipient even in the case of Best Picture (Director or Producer) therefore a Film must have a Nominee*

*A nominee must have taken part in a motion film to participate*

[add table here]

# Relational Schema

Oscar(oscarID*,* oscarYear, venue*)*

Films(filmName, filmYear, *category, isWinner*)

Nominees(nomID, surname, givenNames, DOB)

Nominations(nomID, isShared, role, *filmName, filmYear*)

# Data types

TABLE **Oscar**

oscarID CHAR(10) **PK**

**#***Represents edition of Oscars since first ceremony. Numerical and fixed size. Unique.*

oscarYear YEAR

**#***Year of ceremony. 4 digit format.*

venue VARCHAR(60)

***#*** *Venue ceremony is being held. Variable size*

TABLE **Film**

filmName VARCHAR(60) **PK**

*#Name of Film. composite key*

crmnyYear YEAR **PK**

*#Year of release. 4 digit format composite key.*

category VARCHAR(20)

*#Category film falls under (eg. Animation).*

TABLE **Nominee**

nomID INT **PK**

***#****used as main identifier generated for DB. Must be unique. Autoincrements*

surname VARCHAR(30) **NOT NULL**

***#****Must not be null.*

givenNames VARCHAR(150)

***#****Can be null as not every nominee will have 2 names.*

dob DATE

#Date of birth date datatype

TABLE **Nominations**

nomID CHAR(6) **FK**

filmName VARCHAR(60) **FK**

crmnyYear YEAR **FK**

role VARCHAR(20)

*#type of role nominated for*