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CPSC 408

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**Video Streaming Database**

**Tables:**

Videos:

|  |  |  |
| --- | --- | --- |
| **Title** | **Type** | **Runtime** |
| The Dark Knight | Movie | 152 min |
| Friends | TV Show | 25 min |
| … | … | … |

Genre:

|  |  |
| --- | --- |
| **Title** | **Genre** |
| The Dark Knight | Drama |
| The Dark Knight | Thriller |
| … | … |

Movies:

|  |  |
| --- | --- |
| **Title** | **Movie Rating** |
| The Dark Knight | PG-13 |
| … | … |

TV Shows:

|  |  |
| --- | --- |
| **Title** | **TV Rating** |
| Friends | TV-14 |
| … | … |

Episodes:

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Episode Title** | **Season** | **Episode #** |
| Friends | Pilot | 01 | 01 |
| Friends | The One with the Sonogram at the End | 01 | 02 |
| … | … | … |  |

**Schema**:

* Videos:
  + Primary Key: Title - string
  + Type - string
  + Runtime - number
* Genre:
  + Foreign Key: Title - string
  + Genre - string
* Movies:
  + Foreign Key: Title - string
  + Movie Rating - decimal
* TV Shows:
  + Foreign Key: Title - string
  + TV Rating - decimal
* Episodes:
  + Foreign Key: Title - string
  + Episode Title - string
  + Season - number
  + Episode # - number

**Database Schema:**

* Videos contains the primary key “Title” which is a foreign key for every other table to link the lists together

**Data Dictionary:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Column Type** | **Description** | **Table** |
| Title | String | Name of Video | Videos |
| Type | String | Type of Video (ie. Movie, TV Show, etc.) | Videos |
| Runtime | Number | Length of Video (ie. 45 min) | Videos |
| Genre | String | Description of Video (ie. Comedy, Action, etc.) | Genre |
| Movie Rating | Decimal | Rating of Movie Content (ie. G, PG-13) | Movies |
| TV Rating | String | Rating of TV Show Content (ie. TV-G, TV-MA) | TV Shows |
| Episode Title | String | Title of the Episode | Episodes |
| Season | Number | Season Episode is in | Episodes |
| Episode # | Number | Episode Number in the Season | Episodes |