DBMS PROJECT

T.V Channel Guide

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<u>Promblem Objective:</u>

The main aim of the project is to create a database for Entertainment   T.V   channels

<u>Problem Statement:</u>

All information about the TV channels such as the description of the show, timings, actors   etc are stored in the database. A channel can telecast multiple no of shows. A Channel is identified by the channel name and language and also has a website,trp. Each show has actors who are identified by name and birth date. Each actor can appear as a regular on a TV series or as a guest appearance. Given an actor, we can get to know the no of shows, the characters he/she has played and the total awards he/she has won .

Eg :- Given Star World, all the required information about the shows telecast on star world would be there in the database.

When the user gives the query ,the desired result will be displayed after processing the information in the database.

Schema :

channel(ch_name,website, ch_lang,trp)
actor(name,no_of_shows,dob,age,gender)

tv_show(name,lang,ch_name,duration,genre,synopsis,rating)

characters(c_name,description,gender, tv_show_name,a_name)
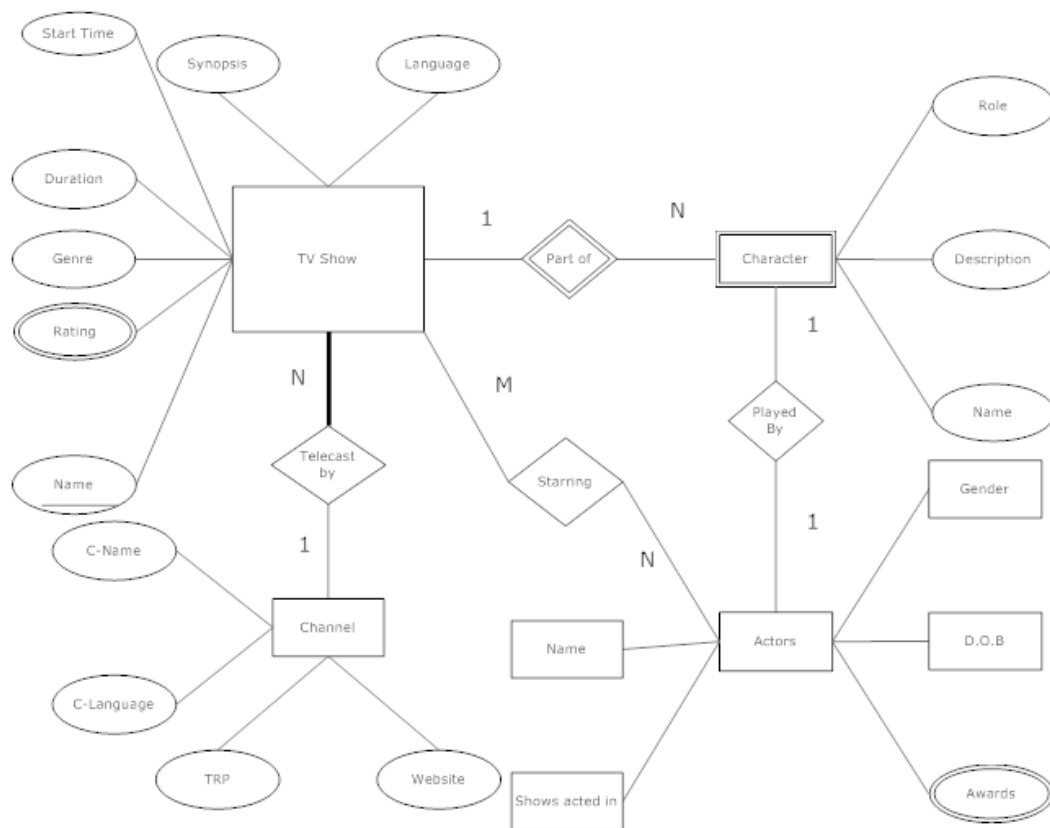
timings(ch_name,name,timings)

ENTITY REALTIONSHIP DIAGRAM

TOOL USED : Smart Draw

SmartDraw is a visual processor used to create

flowcharts, organization charts, mind maps,

project charts, and other visuals. It can export

diagrams to common image formats and PDF format. It includes more than 70 different kinds of charts, diagrams and other visuals. It integrates with <u>Microsoft Word, Excel, PowerPoint</u> and <u>Microsoft Project</u> it can export diagrams to common <u>image formats</u> and <u>PDF</u> format

It's automated. SmartDraw is the only software that makes it possible for anyone to create presentation-quality visuals in minutes. Instead of forcing you to draw visuals manually, it draws for you, ensuring a professional result every time.

Database used:

PostgreSQL, often simply **"Postgres"**, is an object-relational database management system (ORDBMS) with an emphasis on extensibility and standards-compliance. As a database server, its primary function is to store data securely, supporting best practices, and to allow for retrieval at the request of other software

applications. It can handle workloads ranging from small single-machine applications to large Internet-facing applications with many concurrent users. Recent versions also provide replication of the database itself for availability and scalability.

Front End:

Swing is a GUI widget toolkit for Java. It is part of Oracle's Java Foundation Classes(JFC) — an API for providing a graphical user interface(GUI) for Java programs.

Swing was developed to provide a more sophisticated set of GUI components than the earlier Abstract Window Toolkit (AWT). Swing provides a native look and feel that emulates the look and feel of several platforms, and also supports a pluggable look and feel that allows applications to have a look and feel unrelated to the underlying platform. It has more powerful and flexible components than AWT. In addition to familiar components such as buttons, check boxes and labels, Swing provides several advanced components such as tabbed panel, scroll panes, trees, tables, and lists.

Unlike AWT components, Swing components are not implemented by platform-specific code. Instead, they are written entirely in Java and therefore are platform-independent. The term "lightweight" is used to describe such an element.