

# TV Show Ontology

## Members

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Varit Assavavisidchai	5910545833
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## Overview

What is it ?

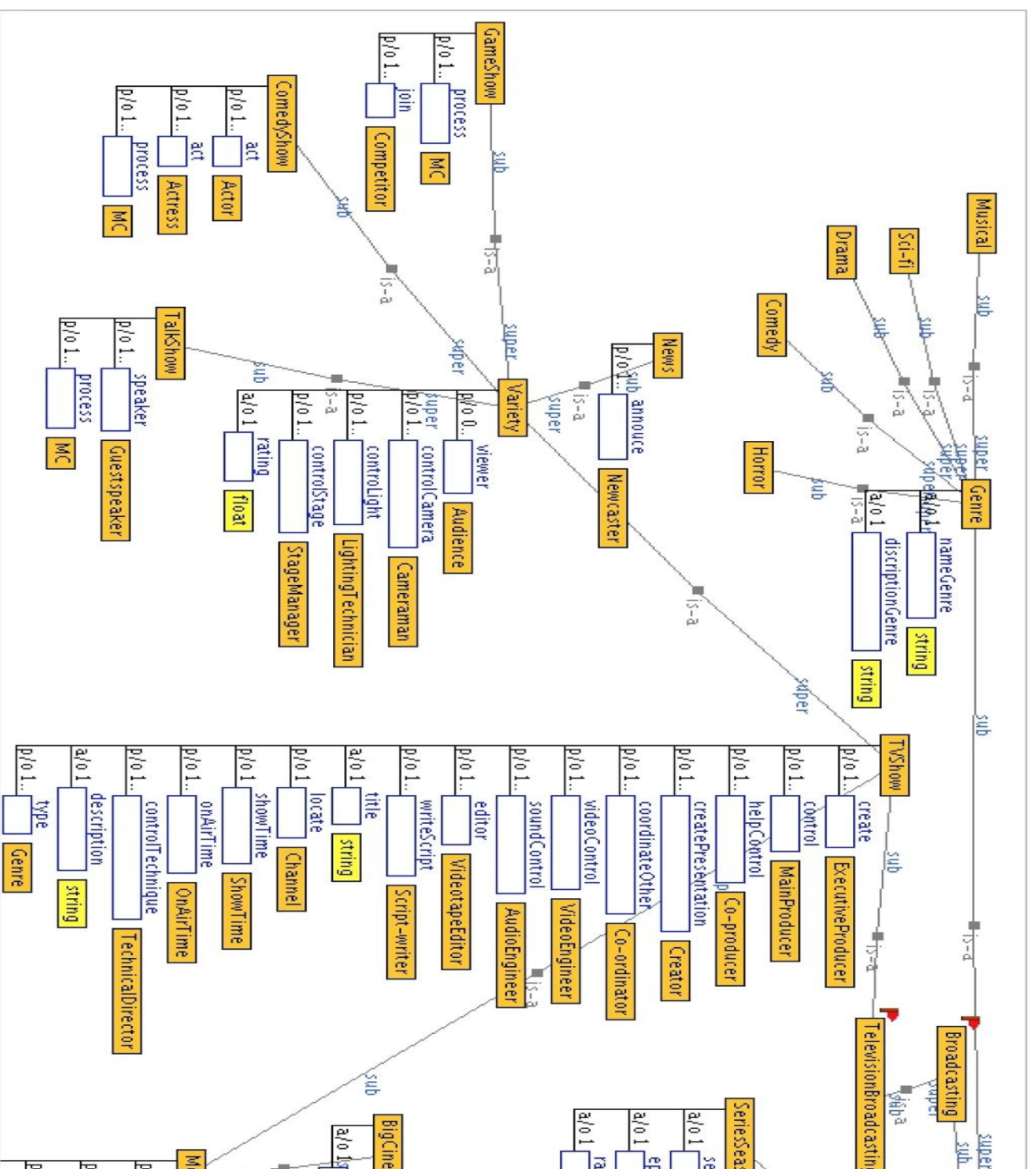
- It is about detail of the TVshow that used to provide an information such as air time, rating, director, actor/actress, etc.
- Moreover, our application can provide the great recommendations for what shows to watch based on user's taste.

Purpose ?

- To recommend and provide the information about the show based on your own taste.

Design For ?

- It is designed for user who want to see the information of the shows and get a good recommendations for what shows to watch
- For example, by telling us your favorite actor/actress, director, rating and our application will find and show information the best show for you.







## Classes Description

**TVShow** class is the all information that TV show should have.

- There are a group of people that hired for the purpose of producing a TV show and it can have the cardinality of 1 or more which are...

**ExecutiveProducer**,  
**MainProducer**, **Co-producer**,  
**Creator**, **Co-ordinator**,  
**VideoEngineer**, **AudioEngineer**,  
**VideotapeEditor**, **Script-writer**,  
**TechnicalDirector**

- There are 2 attributes and have the cardinality of 1 which are...

**title** (string): title of the show

**description**(string): description of show.

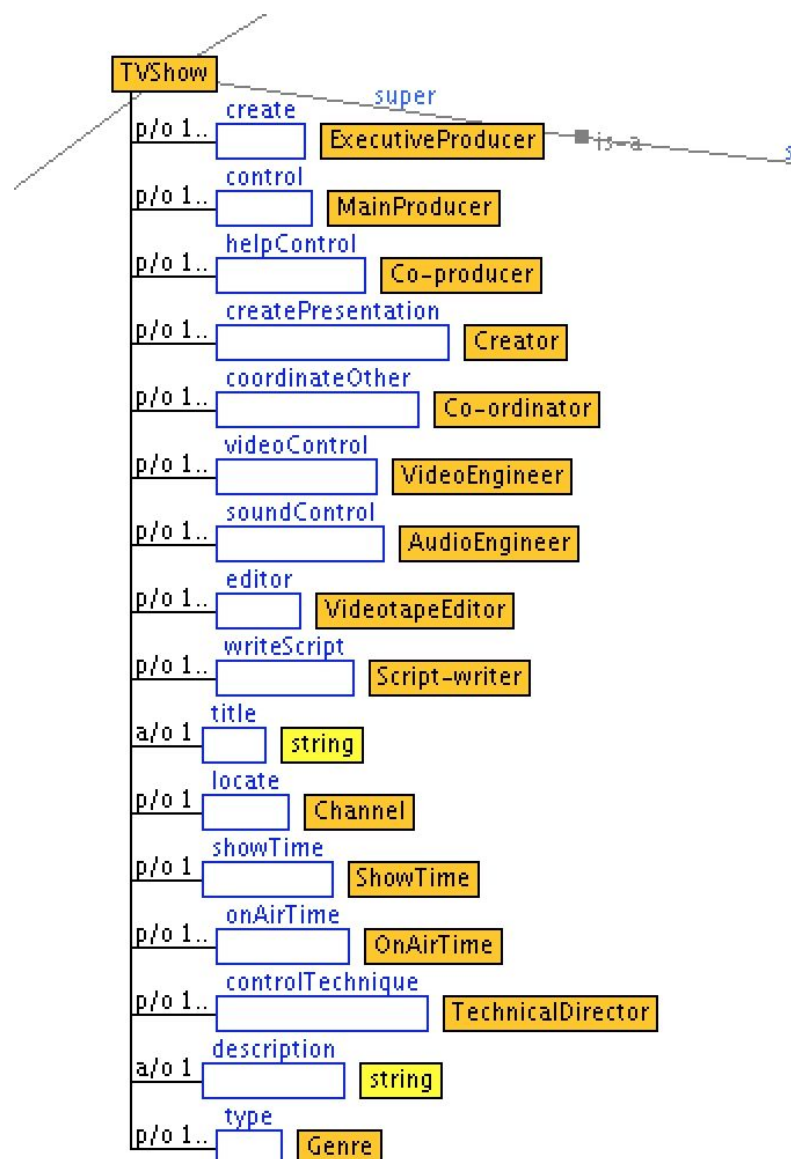
- There are a time to determine the show time and air time which are...

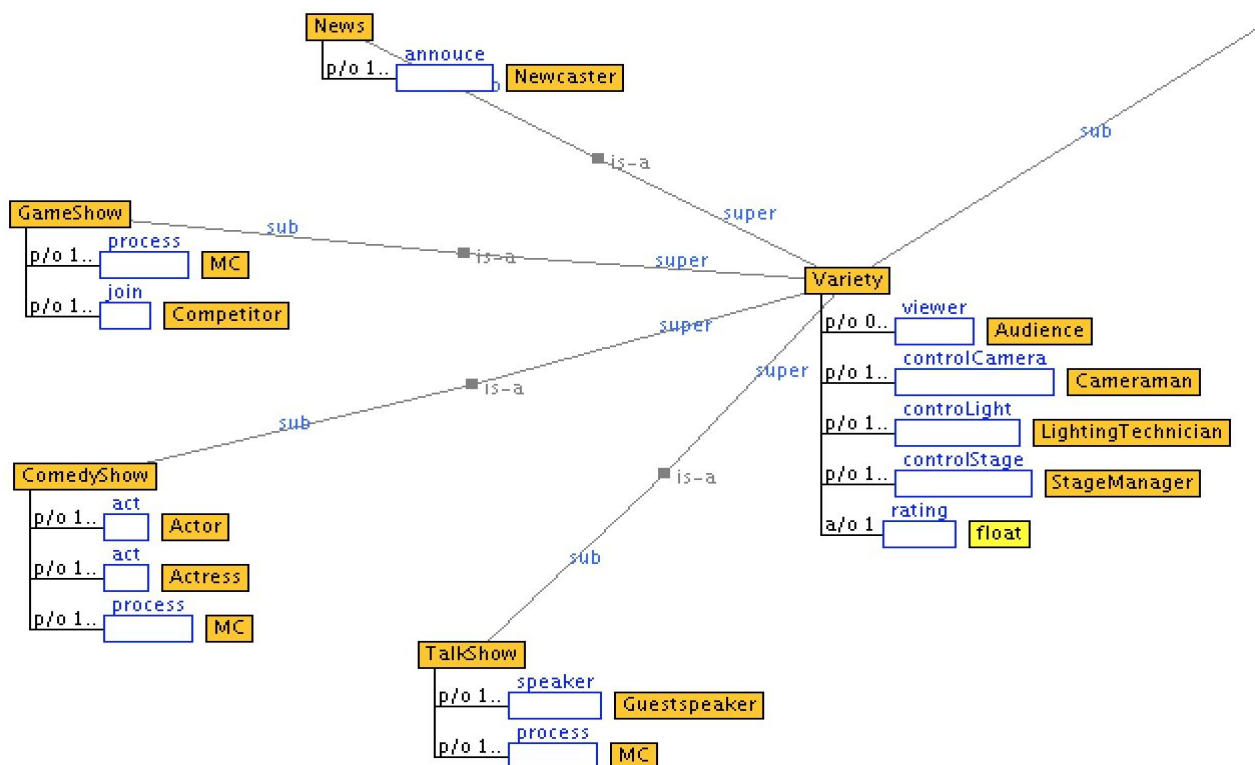
**ShowTime**: to show starting date/ ending date of this show, it's connected to ShowTime class and have the cardinality of 1.

**OnAirTime**: to show time interval and date to show, so it have the cardinality of 1 or more and it's connected to OnAirTime class.

**Channel**: to show the name and number of channel location on that show and have the cardinality of 1.

**Genre**: to show the type of that show so Genre can have the cardinality of 1 or more.





**Variety** class is a subclass of **TVShow**

and it has **rating(float)** attribute: to show rating of that variety show.

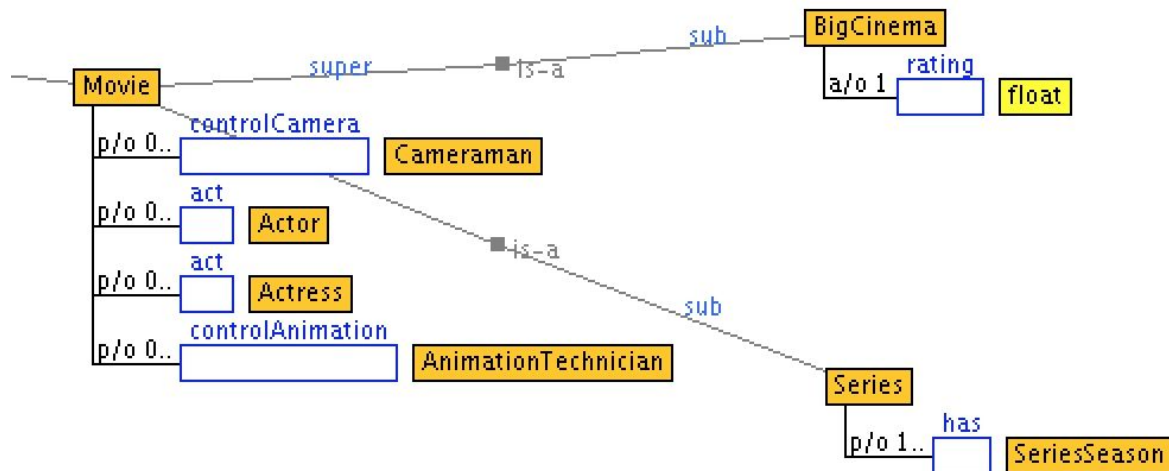
And **Variety** consist of ...

- **Audience**: is a audience of that show and one Variety Show can have more than 1 people, so **Audience** can have the cardinality of 0 or more.
- There are a group of people that hired for the purpose of producing a variety show and and it can have the cardinality of 1 or more which are... **Cameraman**, **StageManager** and **LightingTechnician**.

And **Variety** has 4 subclasses which are...

- **News** that consist of 1 or more than 1 **Newscaster**.
- **GameShow** that consist of 1 or more than 1 **MC** and **Competitor**
- **ComendyShow** that consist of 1 or more than 1 **Actor/Actress** and
- **MC TalkShow** that consist of 1 or more than 1 **MC** and **Guestspeaker**





**Movie** class is subclass of **TVShow** that show the information about the movie.

There are group of people that hired for the purpose of producing a Movie show which are...

**Cameraman:** Can have the cardinality of 0 or more because some movie are cartoon/animation. (No need camera man)

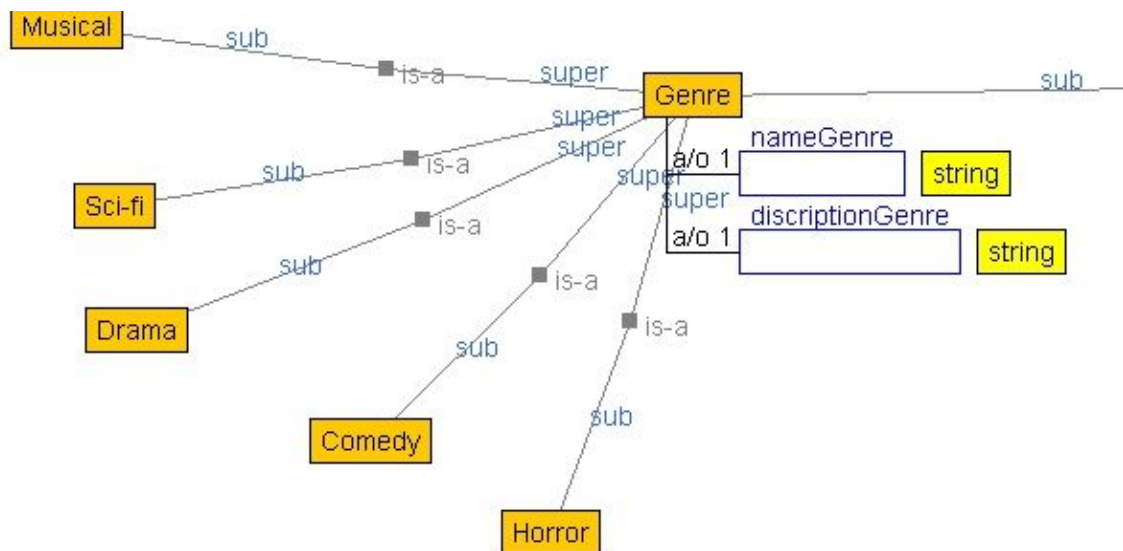
**Actor:** Can have the cardinality of 0 or more because some movie are cartoon/animation or some movie has both human & animation.

**Actress:** Can have the cardinality of 0 or more because some movie are cartoon/animation or some movie has both human & animation.

**Animation technical:** Can have the cardinality of 0 or more because some movie are not using animation techniques.

There are 2 subclasses that are **Series** and **Bigcinema**.

- **BigCinema** is a movie that has a one episode or running time around 2 hours 30 minutes to end the story (หนังตอนเดียวจบ) and it has **rating**(float) attribute that has the cardinality of 1 and used to show the rating of that movie.
- **Series** is movie that has many episode to end and it has many season so **SeriesSeason** can have the cardinality of 1 or more. (**SeriesSeason** consist of name, episode and rating on each season.)



**Genre** is class that used to determine the type of show.

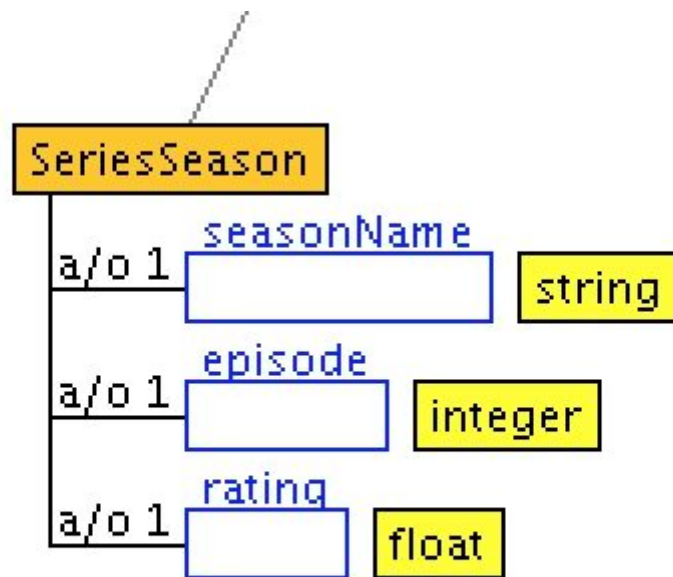
**Genre** have 2 attributes and have the cardinality of 1 which are...

**nameGenre(string)**: to show name of that type.

**discriptionGenre(string)**: to show discription of that type.

and **Genre** has 5 subclasses that are ...

**Musical,Sci-fi,Drama,Comedy and Horror.**



### **SeriesSeason class**

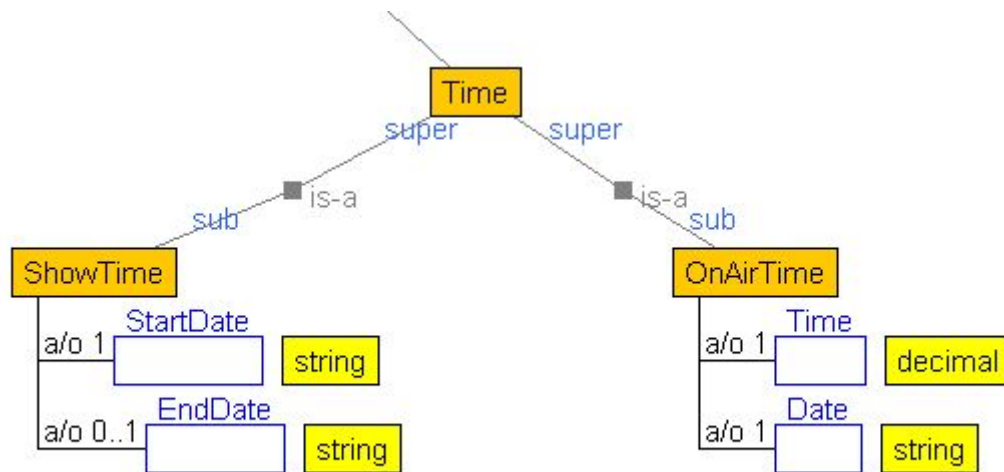
that used to show a information of each season in series

And it has have 3 attribute and have the cardinality of 1 which are ....

**seasonName(string):** to show a name of season.

**episode(integer):**to show a number of episode in this season.

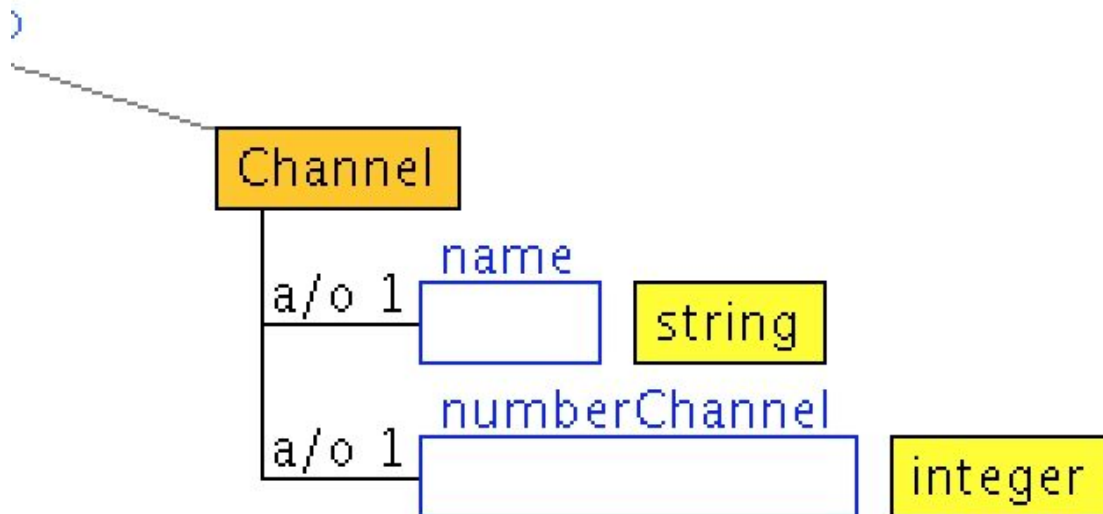
**rating(float):**to show a rating of this season.



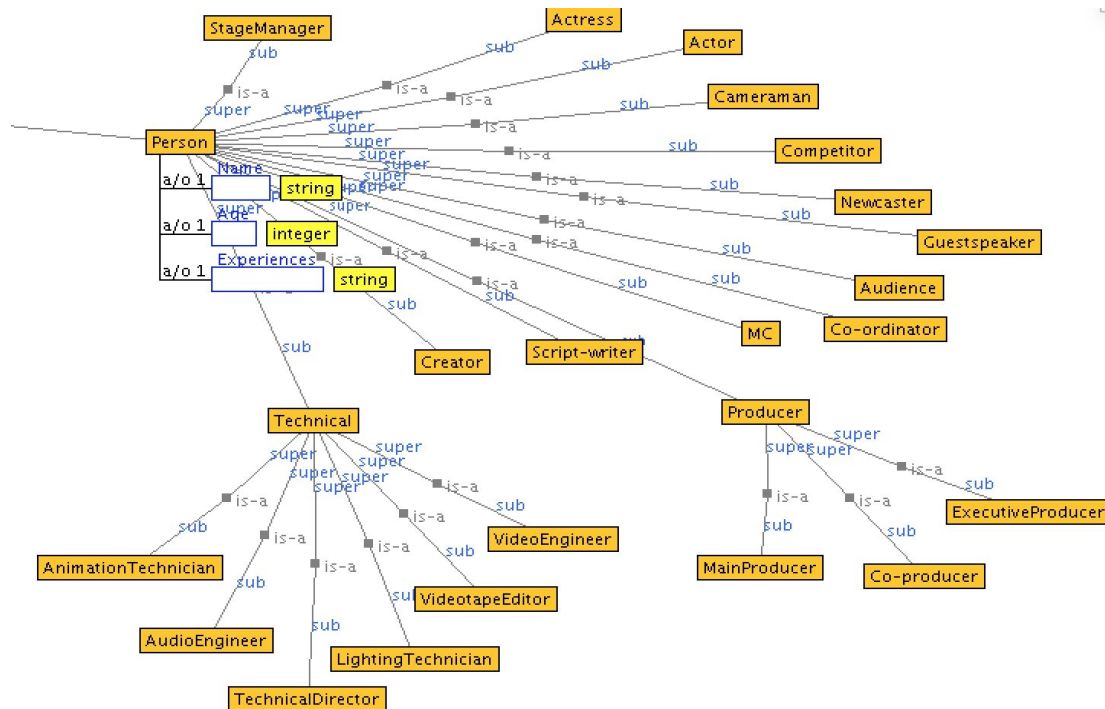
**Time class** that used to represent a time.

It has 2 subclasses which are...

- **ShowTime** that have 2 attributes that are...
  - **StartDate (string)**: to determine the start date of show and it have the cardinality of 1.
  - **EndDate (string)** : to determine the end date of show and it can have the cardinality of 0 or 1 because some show don't specify the end date.
- **OnAirTime** that have 2 attributes and that are ...
  - **Time (decimal)**: to show air time duration of that show and it have the cardinality of 1.
  - **Date (string)**: to show air date of that show and it have the cardinality of 1.



**Channel class** that used to determine the channel in TVShow that have 2 attributes and it have the cardinality of 1 which are ...  
**name(string)**: to show a name of channel that TVShow on air  
**numberChannel(integer)**: to determine a number of channel that TVShow on air.



**Person** class is composed of many people.

that has 3 attributes and it have the cardinality of 1 which are....

**Name:** to show full-name of that person.

**Age:** to show ages of that person.

**Experiences:** to show him/her experiences or awards.

There are many job roles(subclasses) which are ...

**StageManager:** is a person who manage props in the stage.

**Actress:** is a female person who portrays a character in a performance

**Actor:** is a male person who portrays a character in a performance

**Cameraman:** role is to professionally control and operate the video camera.

**Competitor:** Being a competitor in answering questions or competitors during various transactions.

**Newscaster:** is a person who presents news during a news program on the television, on the radio or on the Internet.

**Guestspeaker:** a person invited to a gathering to give a speech.

**Audience:** is the group of people watching or listening to show.

**Co-ordinator:** responsible for the administration, organisation and secretarial work involved in producing a television programme.

**MC:** is Master of Ceremonies to keep the day running smoothly.

**Producer** which compose of

- **MainProducer:** is a person who oversees the production of a film.
- **Co-producer:** helping to raise money, supervising post-production, or hiring heads of departments and other needed crew members.
- **ExecutiveProducer:** is to oversee the work of the producer on behalf of the studio, the financiers or the distributors.

**Script-writer:** Creating characters, crafting dialogue and writing an engaging plot.

**Creator:** the person who pitches a new TV show idea and sees it through.

**Technical** which compose of

- **VideoEngineer:** responsible for the installation and maintenance of all of the video equipment in a location
- **VideotapeEditor:** responsible for editing and assembling recorded raw material into a suitable
- **LightingTechnician:** involved with rigging stage and location sets and controlling artificial, electric lights for art and entertainment venues
- **TechnicalDirector:** to make sure the technical equipment in the theater is functional, maintained and safe.

**AudioEngineer:** works with the technical aspects of sound during the processes of recording, mixing, and reproduction.

**AnimationTechnician:** assist experienced graphic designers and animators with technical aspects of digital animation and visual effects.