

Assignment 2: Ontologies

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INFO6540: Data Management

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March 6, 2018

I created an ontology for *The Sound of Music* because it is one of my favourite film musicals of all time. In the ontology, I focus on the relationships between the main cast members, film characters and the soundtrack. These are, in my opinion, the main elements of film musicals that fans are interested in.

When applying object properties to define the relationships between film characters, I include the relationships that are presented at the start of the film. For example, at the beginning of *The Sound of Music*, Captain Von Trapp is romantically involved with Baroness Schraeder, but their relationship ends halfway through the movie. Maria eventually marries Captain Von Trapp, but I do not include this relationship in the ontology because it develops over time in the film. I also include the inverse properties for “Played” and “hasChild”, to facilitate information retrieval for the relationships between cast members and film characters. Additionally, I do not include uncredited cast member, crew, chorus or orchestra information in the ontology.

My ontology serves fans of *The Sound of Music* because it displays important film information and significant relationships between main cast members, film characters and the film soundtrack. Moreover, the ability to display these relationships in a variety of visualization styles is valuable. The information pertaining to summaries, actors and characters was acquired from the film’s IMDB webpage, and the soundtrack information was acquired from iTunes.