Assignment 2

Xiaoyue Chen B00736748

An Ontology about a Movie

The movie is The Big Short

I have build an Ontology on the Movie The big short.

The owl thing is: "Movie"

The movie is about 4 people find the bubble of the housing market and use credit default swap to bet against big bank who taught the mortgage market is never go down.

The 4 main Categories in the Class hierarchies are "Actor", "Character", "Director", and "The Big Short"

Class "Actor" has 12 sub classes. All the sub classes are the actors in Movie "The big short"

Class "Character" has 14 sub classes. All the sub classes are the Characters in the Movie "The big short."

Class "Director" has 1 sub class, which is the Director of the "The big short"

Class "The Big Short" refer to the movie itself and has 0 sub class.

The object properties are "play In" "bet Against" "has Boss" "has Character" "has Customer" "has employee" "has Director" "has Partner" "Is Customer of"

All of the object properties are with in the domain "Movie"

 "has Boss", "has Customer", "has employee", "has Partner, and "Is Customer of" are with in the range Character, since those properties describe the relation between "character" in the movie

"Has Character "are with in the range of "Actors", since only Actor can "has Character"

"has Director" and "play In" is in the range of "The big short" since those properties shows the actors and contribute to the movie

"has Customer" and "Is Customer of" are inverse properties

"has Boss" and "has employee" are inverse properties

Has boss is a transitive property, since in the movie Kathy Tao supervise Mark Baum, and Mark Baum has three employees: Porter Collins, Vincent Daniel, and Danny Moses.