**Synopsis**

stuff

**Database**

* Movie- Single entry production. Usually longer than 40 minutes.
  + Budget- a integer representing the number of US Dollars spent on a movie or show.
  + Seconds- An integer that is the runtime of the movie in seconds.
  + Summary- A long string containing a summary of the movie.
  + Title- The title of the movie as it would be displayed in theaters.
  + Release Date- a date time format with the day the movie was first released either to movie theaters or to a streaming service.
  + Language- a text value containing the name of the language the movie is predominantly spoken in.
  + Rating- a number out of 10 ranking the movie.
  + TicketsSold- the number of tickets sold while in movie theaters. This will be null if it was never in movie theaters.
  + MovieId- the unique key for each movie that is generated by the database.
* Show- A tv show.
  + Rating- a number out of 10 ranking the show.
  + NumEpisodes- the number of distinct episodes in the series. If there are duplicates such as dubbed versions those do not add to the number of episodes.
  + Language- a text value containing the name of the language the show is predominantly spoken in.
  + EndDate- Null if show is still running. DateTime of the show finale if the show is done.
  + AirDate- DateTime of the airing of the pilot.
  + Budget- current amount of money spent on the show up to the current episode.
  + ShowTitle- Title of the show how it would show up on tv channel description.
  + NumSeasons- The number of seasons that have a episode in them. Unfinished seasons count towards this number.
  + ShowId- unique key for each show that is generated by the database.
* Actor- a person whose profession is acting on the stage, in movies, or on television.
  + FirstName- The first name of the actor.
  + LastName- The last name of the actor.
  + DOB- Date of birth of the actor in a date object without a hour or minute.
  + Age- A calculated attribute based on Date of birth.
  + Nationality- The actors self-identified national affiliation.
  + ActorId- A unique key for each actor.
* Genre- a category of artistic composition, as in music or literature, characterized by similarities in form, style, or subject matter.
  + GenreName- A word or short phrase describing the genre.
  + GenreId- a unique key for each genre.
* Director- a person who supervises the actors, camera crew, and other staff for a movie, play, television program, or similar production.
  + DirFirstName- The first name of the director.
  + DirLastName- the last name of the director.
  + DOB- a date time object with the date of birth of the director.
  + DirId- A unique key for each distinct director.
* Award- Film Awards or festival awards.
  + AwardTitle- The title of the award.
  + YearGiven- The calendar year that the award was officially presented.
  + AwardType- A text field containing: Emmys, Academy, ECT.
  + AwardId- a unique key to differentiate the same award in different years.
* ProductionStudio- premises used for producing live broadcasts, motion pictures, or audio or video recordings or transmissions.
  + StudioName- A text field containing the name of the production studio.
  + StudioId- a unique key identifying the studio.

**Functionality**

stuff

**Stakeholders**

* Potential users: movie/show critics, casual movie/show watchers.
* Movie critics would use the service to find movies and rank/review them.
* Casual movie watchers would use the service to find information on movies/shows to
* determine what to watch (i.e. look at reviews to see if they would want to watch the movie).
* Both types could use the service to look up technical information on the movie such as
* runtime, length, etc.

**Technological Requirements**

* The platform we are implementing is a web GUI we both have experience with front end web design (HTML, CSS, JavaScript).
* We will be hosting a dynamic website with a server. Quinn has experience with backend web development.
* We will use node.js MYSQL.
* We are using GitHub to collaborate on the project <https://github.com/jff97/movieWebDatabase>
* Quinn will handle the server hosting on Eucalyptus.
* John will handle the domain.
* Express will be used somewhere TBD.