Final Report Team 1

We created a web-based movie recommendation system.

The files in our system were the following:
Inedx.html: 1 KB
Designs.css: 2KB
questionScripts.js: 20 KB

Rules

If User likes missiles
then the User enjoys action
If the User likes kung fu
then the user enjoys action
If the user likes character development
then the user enjoys drama
If the user likes kissing
then the user likes romance
If the user likes slap-stick
then the user likes comedy
If the user likes jump-scares
then the user likes horror
If the user likes the main character dying at the end
then the user likes tragedy
If the user enjoys starships
then the user likes science fiction
If the user likes interviews
then the user will like documentaries
If the user likes drawing
then the user likes animation

Lessons Learned and Future Work:

Our team learned a lot while creating our multimedia expert system. We learned the importance of how to use domain expert knowledge in the conceptualization and formalization of rules for our movie recommendation expert system. Another important lesson we learned was how to implement our rules through the use of predicate calculus, interference, and symbolic structures. Working on this project also taught us the importance of time management, group communication, and how to creatively brainstorm in a group.

This project will be important in the future because the experience of developing an expert system taught us how to use a rules-based intelligent system to analyze and identify the behavior and preference of users. This is remarkably valuable in our data-driven information economy because every company tries to use artificial intelligence to do this. This expert system could also have future uses in recommendation systems. Since we created a movie recommendation system this expert system could have future uses in a product like Netflix, Hulu, Amazon Prime Video, or YouTube. The recommendation rules could also be applied to research and development in how to integrate expert systems in recommendation systems that are at the backbone of our digital economy.