This project is concerned with the proposed question, “If a user wants to upload a video onto the internet, how does he/she increase their video’s views?” I’m sure most of you have used YouTube before, if you haven’t; YouTube is a video sharing site that allows you to entertain, advertise, gain popularity, and generate revenue. A very important part of the site is its recommendation system, meaning: Once I search a video, YouTube will automatically recommend related videos that I might be interested in. How this works: When the user uploads their video onto the internet they choose “keywords” that best describe their video. We believe that “keywords” are very important in YouTube’s process of recommending videos to the viewer (person watching video). Here is where we want to take advantage of the System. Our program will allow users (video up-loader) to visually browse though YouTube videos in a graphical view and choose “keywords” that correspond to both their video and popular videos. Our program will increase their video’s views!

My job this summer is to develop a user interface for this program. The interface will require “keywords” from the user to focus the search in the recommendation system. The user will then be able to zoom in on related categories and browse videos and their “keywords”. The purpose of this visualization is to allow the user to choose “keywords” that are both relevant to their video and correspond to popular videos on YouTube.

How I’m going to do this: I will use the Graphical User interface (GUI) package in the Java Platform, and the source code from a program called CytoScape to create a graphical view of video clips which will show how they are related. I will change the CytoScape source code to allow it to run in my Java Application and will create a final product that is visually user friendly and appealing.