**Web based video captioning tool**

The idea for this project stems from a project that we are implementing in CS492. The project that we are doing for CS492 is a web application to create captions for Flash video files for people with hearing impairments and people who speak English as a second language. This tool will use pause detection algorithms to suggest caption changes and allow people to easily create and edit captions. This project will be an extension to that idea by integrating the captions into a module that can be inserted into a web page. In addition, we will be creating an easy to use user interface on top of the Flash software as well as an initial login application to allow users to make accounts for their own preferences.

The audience for this project will be people who have hearing impairments or who do not understand English fluently. The idea is that if we are given captioning options in our televisions and other media’s, there is no reason that they should not be available on media that is being streamed through the internet. Motivation for this project lies in the fact that now that the internet has established itself as the main source of communication in the world, we need to make sure that its resources are available to everybody in a way that they can easily use and access them.

The technologies that we will use for this project are Python and Django web application framework. We will also be using ideas of user interface design that we learn throughout this class.