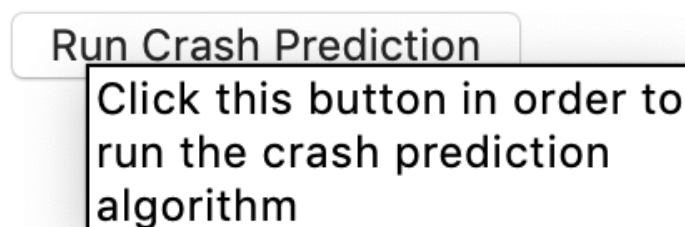
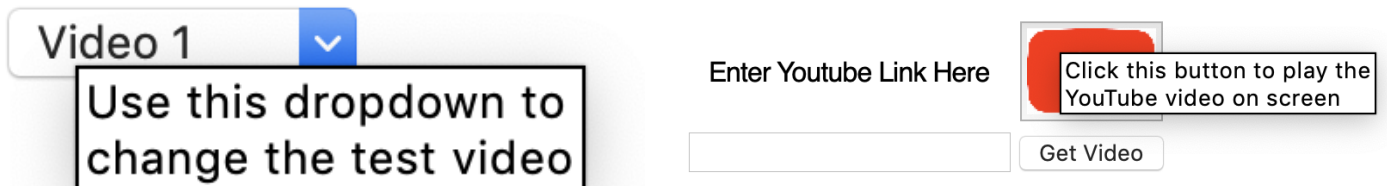


## Journal 23

Throughout this past week, I primarily focused on incorporating tooltips in my GUI to enhance the user's experience. When I was first implementing the tooltips, I ran into an error which caused the tooltips to not appear on the GUI. After doing a comprehensive debugging of my code, I discovered that the error was simply due to an incorrect calling of the Tkinter package. For instance, one of the lines within the GUI tooltip code is `Toplevel(self.widget)`, however, previously, the line was `tk.Toplevel(self.widget)`. The latter line of code is incorrect because I imported the Tkinter package such that the "tk." wasn't required. Although this is a rather minute error, finding its solution allowed me to better understand how package imports work within Python and will give me the knowledge to prevent any such errors in the future.

Currently, I have added tooltips that describe the video dropdown menu, YouTube link retrieval and playback features, the various sliding scale parameters, and the "Run Crash Prediction" button. The images below display a few of these tooltips.



In the near future, I will continue to work on adding functionality to the parameter sliding scales in my GUI.